

**Report**

**ONTC Englehart Rail Yard  
Geoenvironmental Investigation Report**

**H377031-1036-840-230-0001**

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## Table of Contents

<b>1. Introduction.....</b>	<b>1</b>
1.1 Site Description.....	1
1.1.1 Background.....	1
1.2 Purpose of Investigation .....	2
1.3 Applicable Site Conditions .....	2
<b>2. Scope of Investigation .....</b>	<b>4</b>
2.1 Sampling and Analysis Plan .....	4
2.2 Deviations from Sampling and Analysis Plan .....	4
2.3 Impediments .....	4
<b>3. Assessment Methodology .....</b>	<b>5</b>
3.1 General .....	5
3.2 Excavation / Test Pitting .....	5
3.3 Soil .....	5
3.3.1 Soil Classification.....	5
3.3.2 Field Screening Measurements.....	5
3.3.3 Soil Sampling.....	6
3.4 Groundwater .....	9
3.4.1 Groundwater Monitoring Well and Installation.....	9
3.4.2 Headspace Vapour Readings.....	9
3.4.3 Groundwater Elevations and Product Thickness Measurements .....	9
3.4.4 Groundwater Field Measurements of Water Quality Parameters .....	9
3.4.5 Groundwater Sampling.....	10
3.5 Residue Management Procedures .....	11
3.6 Elevation Surveying .....	12
3.7 Quality Assurance and Quality Control Measures.....	12
<b>4. Results and Evaluation .....</b>	<b>13</b>
4.1 Geology and Soil Stratigraphy .....	13
4.2 Soil Texture Analysis .....	13
4.3 Field Screening .....	13
4.4 Hydrogeology.....	14
4.4.1 Elevations and Groundwater Flow Direction .....	14
4.4.2 Hydraulic Gradient.....	15
4.5 Free Product Thickness .....	15
4.6 Field Measurements of Groundwater Quality .....	15
4.7 Analytical Results.....	17
4.7.1 Soil Chemical Quality Geotechnical Investigation May 2025.....	17
4.7.2 Soil Chemical Quality Geoenvironmental Investigation November 2025.....	17
4.7.3 Groundwater Chemical Quality.....	19

H377031

4.8	Quality Assurance and Quality Control Results.....	20
4.9	Discussion.....	22
4.9.1	Soil and Groundwater Management and Monitoring.....	22
<b>5.</b>	<b>Conclusion and Recommendations .....</b>	<b>23</b>
<b>6.</b>	<b>Bibliography .....</b>	<b>24</b>

***List of Tables***

Table 3-1:	Summary of Field Screening Equipment .....	6
Table 3-2:	Summary of Submitted Soil Samples .....	7
Table 3-3:	Summary of Submitted Groundwater Samples .....	11
Table 3-4:	Residue Management Procedure Summary .....	11
Table 4-1:	Summary of Field Screening Results .....	14
Table 4-2:	Field Measurements of Groundwater Quality Prior to Sampling .....	16
Table 4-3:	Summary of QA/QC Results .....	21

***List of Appendices***

<b>Appendix A</b>	<b>Figures</b>
<b>Appendix B</b>	<b>Test Pit (November 2025) and Borehole (May 2025) Records</b>
<b>Appendix C</b>	<b>Certificates of Calibration</b>
<b>Appendix D</b>	<b>Monitoring Well Development and Purging/Sampling Records</b>
<b>Appendix E</b>	<b>Soil Test Results</b>
<b>Appendix F</b>	<b>Groundwater Test Results</b>
<b>Appendix G</b>	<b>Laboratory Certificates of Analysis November 2025</b>
<b>Appendix H</b>	<b>Laboratory Certificates of Analysis May 2025</b>
<b>Appendix I</b>	<b>Site Photo Log</b>

## 1. Introduction

Hatch Ltd. (Hatch) has been retained by Ontario Northland Transportation Commission (ONTC) to provide geoenvironmental investigation services, followed by subsequent soil and groundwater management plans, in preparation for the construction of a new lumber transload facility.

The geoenvironmental investigation program outlined in this report, is part of the ONTC Englehart Soil and Groundwater Management Plan project under Work Order Proposal (WOP) No. 1036.

Based on Hatch's understanding of the project scope, a geoenvironmental investigation sampling and analysis plan document was prepared by Hatch with oversight from ONTC for the Englehart Rail Yard (the "Site") prior to initiation.

The objective of the investigation program was to characterize soil and groundwater conditions by sampling from test pits and existing monitoring wells at select locations of the Site. This geoenvironmental investigation report presents the investigation methodology, records of test pits, geoenvironmental field and laboratory data, and a summary of geoenvironmental observations for potential consideration in soil and groundwater management during the lumber transload facility construction phase. In addition, geotechnical findings from a May 2025 geotechnical investigation are discussed in the report titled *ONTC Englehart Yard – Geotechnical Investigation and Design Report H375313-1000-2A0-230-0001* (Hatch, 2025).

### 1.1 Site Description

The municipal address of the ONTC's Englehart Rail Yard is 1 Railroad Street, Englehart, Ontario, and located in an area that is generally surrounded by residential areas, stormwater management lagoons, and green space. The Site consists of an active rail yard, ONTC office buildings, parking, small storage buildings, and a large open field which is the location of the proposed new lumber transload facility. The proposed lumber transload facility footprint (hereon Lumber Yard), immediately next to the track lines, is currently unused but maintained by ONTC for rail safety in the yard.

The footprint contains two narrow ditches, one along the north side, bordering Lagoon Road, and one on the south side, bordering the tracks. Both ditches converge outside of the footprint before ultimately flowing into a tributary of Crocodile Creek. A significant portion of the proposed Lumber Yard is within a distance of thirty metres of the northern or southern ditch.

A Site Location Plan that denotes the proposed Lumber Yard (large open field) within the Site is provided in Appendix A, Figure 1.

#### 1.1.1 Background

Hatch was engaged by ONTC to investigate impacts to soil and groundwater at the Site, in preparation for the construction of the Lumber Yard. Historic fueling practices, leaks, and

historic spills on and around the tracks may have led to subsurface contamination, particularly in the footprint of interest on Site.

A Hatch-led geotechnical investigation undertaken in May 2025 provided geotechnical analysis and recommendations for the proposed Lumber Yard, and featured installation of boreholes for subsequent soil and groundwater analysis. The results thereof can be found in the report titled *ONTC Englehart Yard – Geotechnical Investigation and Design Report H375313-1000-2A0-230-0001* (Hatch, 2025).

## 1.2 Purpose of Investigation

The construction of the new Lumber Yard on Site will require soil and groundwater management for the proposed area. This geoenvironmental investigation serves the purpose of validating previous soil and groundwater quality and will inform subsequent management plan recommendations. A detailed description of the scope of work that was completed is included in Section 2.

## 1.3 Applicable Site Conditions

Analytical results were compared to the following applicable site conditions below:

Groundwater samples collected from monitoring wells, installed during the May 2025 Geotechnical Investigation, were compared to the Provincial Water Quality Objectives (PWQO) (Government of Ontario, 1994), and Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act (Government of Ontario, 2011), specifically:

- Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition (as referenced under O. Reg. 153/04 (Government of Ontario, 2025))

Soil samples were compared to the Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act (Government of Ontario, 2011), and Rules for Soil Management and Excess Soil Quality Standards (Ontario Ministry of Environment, Conservation and Parks, 2025)

- Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition (as referenced under O. Reg. 153/04) - Applicable to Residential, Parkland, Industrial, Commercial, and Community (RPIICC) land uses
- Table 8.1: Environmental Site Quality Standards (ESQS) – Ceiling Values for Full Depth Excess Soil for Use within 30 metres of a Water Body in a Potable Ground Water Condition - Applicable to Industrial, Commercial, and Community (ICC) land uses.
- Table 2.1: Environmental Site Quality Standards (ESQS) – Ceiling Values for Full Depth Excess Soil in a Potable Ground Water Condition - Applicable to Industrial, Commercial, and Community (ICC) land uses.

Therefore, the modified Synthetic Precipitation Leaching Procedure (mSPLP) samples were also compared to the Rules for Soil Management and Excess Soil Quality Standards (Ontario Ministry of Environment, Conservation and Parks, 2025):

- Table 8.1: Leachate Screening Levels (LSL) for Full Depth Excess Soil Quality Standards for Use within 30 metres of a Water Body in a Potable Ground Water Condition - Applicable to Industrial, Commercial, and Community (ICC) land uses.
- Table 2.1: Leachate Screening Levels (LSL) for Full Depth Excess Soil in a Potable Ground Water Condition - Applicable to Industrial, Commercial, and Community (ICC) land uses.

The Toxicity Characteristic Leaching Procedure (TCLP) samples were compared to:

- Schedule 4 of Ontario Regulation 347, as amended by O. Reg. 558/00 (Government of Ontario, 2000).

The above evaluation standards used for comparison with investigation results were selected based on the following justifications:

- The Town of Englehart (and neighbouring townships) relies on treated groundwater from an aquifer located near the Site location as a potable water source (Ontario Clean Water Agency, 2024).
- The Site is not considered an “environmentally sensitive” site, as defined by Ontario Regulation (O. Reg.) 153/04 (Government of Ontario, 2025).
- As a reuse site for potential excess soil has not been identified yet, Generic Site Condition Standards are used for comparison to ensure suitability for surrounding municipalities.
- The pH of the soil samples that were analyzed were within the acceptable range stated in O. Reg. 153/04 (Government of Ontario, 2025).
- Based on the stratigraphy observed during excavation activities, soils are anticipated to be primarily coarse grained.
- The Site is currently used for industrial purposes as a rail yard and is anticipated to be used in the same industrial/commercial manner if/when converted to a lumber transload facility.
- The area of investigation’s property lies within 30 m of a surface water body (as per the ditches within the proposed Lumber Yard footprint and adjacent unevaluated wetlands).
- Groundwater was not encountered within 2 m of the ground surface, and the Site contained more than 2 m of overburden above bedrock, demonstrating there is no shallow depth to groundwater.
- To assess future construction dewatering options, groundwater was compared to Provincial Water Quality Objective (PWQO).

## 2. Scope of Investigation

The scope of the November 2025 geoenvironmental investigation included the following elements:

- Coordinate laboratory analysis for the geoenvironmental investigation.
- Develop an investigation plan that includes proposed test pit locations and existing monitoring wells, Sampling and Analysis Plan (SAP), and a work schedule.
- Execute a field program to investigate soil and groundwater quality within the Site.
- Evaluate data results and findings.
- Prepare a report detailing the investigation methodology, summarizing results, and providing a summary of observations for the next steps in a management plan.

### 2.1 Sampling and Analysis Plan

A Sampling and Analysis Plan (SAP) for the November 2025 geoenvironmental investigation was developed based on the discussions with ONTC, understanding of the locations of previous historical contamination, and the results of the geotechnical investigation (*ONTC Englehart Yard – Geotechnical Investigation and Design Report H375313-1000-2A0-230-0001* (Hatch, 2025)). The locations of the test pits and monitoring wells can be found in Figure 2 of Appendix A. For test pits along the ditch within the proposed footprint, only one depth was sampled. For all other test pits, three depths were sampled of which only the two worst samples were submitted for testing, based on field screening of volatiles, and visual and olfactory observations. A summary of samples and parameters tested is presented in Sections 3.3.3 and 3.4.5 of this report for soil samples and groundwater samples, respectively.

### 2.2 Deviations from Sampling and Analysis Plan

The investigation was completed with minor deviations from the SAP. The deviations did not affect the results of the investigation and are outlined below:

- The proposed TP25-13 location was moved to the northern side of the ditch by 3 to 4m due to access restrictions and utility locates.
- TP25-13 was sampled via the use of a hand auger, as a safe mini excavator pathway to the proposed location could not be established.
- The proposed TP25-01 location was moved by approximately 10 m to the north-east direction to avoid concrete pads.

### 2.3 Impediments

The investigation was completed with no impediments from the SAP.

### 3. Assessment Methodology

#### 3.1 General

The geoenvironmental investigation was led by Owen Salvucci (Hatch) with support from Carmelle Chatterjee (Hatch). The investigation was conducted from November 22 to November 24, 2025, inclusively. The weather conditions during the investigation ranged from cloudy to snowy, with snowy conditions primarily on November 24. The Site was covered by a layer of snow between 5 and 10 cm deep (depending on location) throughout the investigation. Temperatures ranged from -5°C to 2°C.

The American Society for Testing and Materials (ASTM) standards and procedures were used for soil characterization, soil sampling, and groundwater sampling (ASTM, 2018). Sections 3.3 to 3.7 describe the methodologies used during the geoenvironmental investigation.

#### 3.2 Excavation / Test Pitting

The location of underground services and utilities within the Site were cleared prior to the commencement of the excavation program. Hatch arranged for public utility locates to be completed through Ontario One Call. Landshark Locates, a division of Landshark Group, was retained to identify the presence of private utilities on the Site. ONTC personnel inspected the Site with the public and private locators, and then again with Hatch to confirm the locations of utilities prior to excavation. Some proposed test pit locations were slightly moved from the originally planned locations during this process as a conservative precaution. Deviations to the SAP are noted in Section 2.2.

The planned test pits were excavated with a mini excavator, operated by a private subcontractor hired by ONTC, and supervised and instructed by Hatch staff. Three soil depths were sampled per test pit as designated in the SAP in Section 2.2. All test pits were dug in the same manner described above, except for TP25-13, which required the use of a hand auger due to obstruction in the path of the mini excavator.

#### 3.3 Soil

##### 3.3.1 Soil Classification

Soil classification was conducted in general accordance with the Unified Soil Classification System (USCS) as outlined in American Society of Testing and Materials (ASTM) D2488-17 – Standard Practice for Description and Identification of Soils standard (ASTM, 2018). A summary of geology and soil stratigraphy is provided in Section 4.1.

##### 3.3.2 Field Screening Measurements

Soil samples collected from the test pits were field screened for total combustible organic vapours (TCOV) using an RKI Eagle 2 gas meter during the investigation. In addition to visual and olfactory observations, the results of the field screening were used to determine worst-case samples in order to select soil samples to submit to the laboratory for analysis of volatile parameters. A summary of the field screening equipment is provided in Table 3-1.

**Table 3-1: Summary of Field Screening Equipment**

Criteria	Details
Make and Model of Field Screening Instrument	RKI Eagle 2 Gas Monitor.
Chemicals that Field Screening Instrument Detects and respective Detection Limits	Total combustible organic vapours/volatile organic compounds with dynamic range of 0 to 50,000 parts per million (ppm).
Precision of the Measurements	1 ppm.
Accuracy of the Measurements	±50 ppm or ±5% display reading.
Calibration Reference Standards	Hexane and Isobutylene.
Calibration Procedures	The RKI Eagle 2 was calibrated by the supplier of the equipment (Maxim Environmental) prior to delivery to Hatch. A Certificate of Calibration was provided by the supplier and can be found in Appendix C.

### 3.3.3 Soil Sampling

At each depth, the mini excavator picked up the representative soil layer within the excavator’s bucket (around 0.5 m depth captured per bucket). Soil samples were taken directly from within the soil material in the bucket, making sure to sample from the centre of the bucket (depth- and width-wise) to limit cross-contamination between different sample depths.

Disposable nitrile gloves were used during soil sampling and changed between each sample to minimize the potential for cross contamination. Soil samples were described in the field by Hatch personnel and observations were recorded in dedicated test pit records. Soil samples were collected directly into laboratory-supplied jars and vials.

All collected samples were stored and kept in coolers on ice at a temperature of less than 10°C throughout the field program. Samples selected for laboratory analysis were handled under standard chain of custody procedures until received at the laboratory. The soil samples selected for laboratory analysis were considered representative of worst-case conditions in the test pits based on field screening results and visual and olfactory observations.

All soil samples were submitted to Paracel Laboratories Ltd. (Paracel) in Mississauga, Ontario, which is a CALA accredited laboratory. The soil samples that were submitted for chemical analysis are summarized in Table 3-2. Additionally, test pit records are included in Appendix B.

**Table 3-2: Summary of Submitted Soil Samples**

Test Pit Number	Depth (mbgs)	Date Sampled	Sample ID	Duplicate	Sampling Depth (mbgs)	Parameters Tested								
						PHC	BTEX	M&I	PAH	VOC	PCB	OCP	TCLP	mSPLP
TP25-01	2	11/23/2025	TP25-01-S1*		0.5 – 0.6									
			TP25-01-S2		1.0 – 1.1	1	1	1	1	1	1	1		
			TP25-01-S3	Duplicate of TP25-01-S2	1.0 – 1.1	1	1	1	1	1	1	1		
			TP25-01-S4		2.0 – 2.1	1	1	1	1	1	1	1		
TP25-02	2	11/23/2025	TP25-02-S1		0.5 – 0.6	1	1	1	1	1	1			
			TP25-02-S2*		1.0 – 1.1									
			TP25-02-S3		2.0 – 2.1	1	1	1	1	1	1		1	
TP25-03	2	11/23/2025	TP25-03-S1*		0.5 – 0.6									
			TP25-03-S2		1.0 – 1.1	1	1	1	1	1	1			
			TP25-03-S3		2.0 – 1.1	1	1	1	1	1	1			
TP25-04	2	11/22/2025	TP25-04-S1*		0.5 – 0.6									
			TP25-04-S2		1.0 – 1.1	1	1	1	1	1	1			
			TP25-04-S3		2.0 – 2.1	1	1	1	1	1	1			
TP25-05	2	11/22/2025	TP25-05-S1		0.5 – 0.6	1	1	1	1	1	1			
			TP25-05-S2		1.0 – 1.1	1	1	1	1	1	1		1	
			TP25-05-S3*		2.0 – 2.1									
TP25-06	< 0.3	11/22/2025	TP25-06-S1		0 - 0.3	1	1	1	1	1	1			
TP25-07	< 0.3	11/22/2025	TP25-07-S1		0 - 0.3	1	1	1	1	1	1			

Test Pit Number	Depth (mbgs)	Date Sampled	Sample ID	Duplicate	Sampling Depth (mbgs)	Parameters Tested								
						PHC	BTEX	M&I	PAH	VOC	PCB	OCP	TCLP	mSPLP
TP25-08	< 0.3	11/22/2025	TP25-08-S1		0 - 0.3	1	1	1	1	1	1	1		
TP25-09	< 0.3	11/22/2025	TP25-09-S1		0 - 0.3	1	1	1	1	1	1	1		1
TP25-10	< 0.3	11/22/2025	TP25-10-S1		0 - 0.3	1	1	1	1	1	1	1		
TP25-11	< 0.3	11/22/2025	TP25-11-S1		0 - 0.3	1	1	1	1	1	1	1		
			TP25-11-S2	Duplicate of TP25-11-S1	0 - 0.3	1	1	1	1	1	1	1		
TP25-12	< 0.3	11/22/2025	TP25-12-S1		0 - 0.3	1	1	1	1	1	1	1		
TP25-13	< 0.3	11/23/2025	TP25-13-S1		0 - 0.3	1	1	1	1	1	1	1		
-	-	11/23/2025	TCLP-01		Composite Sample from TP25-01 to TP25-05								1	
-		11/22/2025	TCLP-02		Composite Sample from TP25-06 to TP25-13								1	
					<b>TOTAL</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>2</b>	<b>3</b>

\*Samples not sent for lab testing based on field screening results and visual and olfactory observations.

### 3.4 Groundwater

Three existing groundwater monitoring wells, previously installed during a geotechnical investigation in May 2025, were sampled as part of the current study. The borehole records that include well installation details as part of that investigation are included in *ONTC Englehart Yard – Geotechnical Investigation and Design Report H375313-1000-2A0-230-0001* (Hatch, 2025) as well as in Appendix B.

#### 3.4.1 **Groundwater Monitoring Well and Installation**

As part of the May 2025 geotechnical investigation, groundwater monitoring monument wells were installed within three of the boreholes. More details and justification regarding the installation and construction decisions can be found in *ONTC Englehart Yard – Geotechnical Investigation and Design Report H375313-1000-2A0-230-0001* (Hatch, 2025).

During the geoenvironmental investigation, the previously installed monument wells were developed by hand purging a minimum of three times the measured well volume. All developed wells were given 24 hours after developing to recharge before sampling commenced.

#### 3.4.2 **Headspace Vapour Readings**

Headspace vapour readings for Hexane and Isobutylene were collected from the groundwater monitoring well prior to measurement of groundwater levels, purging, and sampling. These results are presented in Table 4-1 of Section 4.3. Information regarding the RKI Eagle 2 Gas Monitor used for the headspace vapour readings can be found in Table 3-1.

#### 3.4.3 **Groundwater Elevations and Product Thickness Measurements**

An oil-water interface meter was used to assess the presence of free products within the groundwater monitoring wells and to measure groundwater levels. A description of water levels, observed hydraulic gradient, and free product levels are provided in Section 4.4 to 4.5.

#### 3.4.4 **Groundwater Field Measurements of Water Quality Parameters**

Groundwater monitoring wells were purged using a low-flow peristaltic pump prior to sampling. The objective of using a low-flow peristaltic pump for purging was to prevent agitation of silt/sediment within the groundwater monitoring wells. To facilitate the use of the peristaltic pump, a section of low-density polyethylene (LDPE) down-well tubing was extended from the peristaltic pump (at surface) to the mid-point of the well screen. The LDPE tubing was connected to silicone tubing which was inserted into and through the peristaltic pump. Additional tubing was then connected from the silicone tubing to a flow-through cell equipped with a YSI Professional Plus (Certificates of Calibration found in Appendix C) capable of taking continuous measurements of pH, temperature, electrical conductivity (EC), dissolved oxygen (DO), and oxidation reduction potential (ORP) collectively referred to as, the “Physical Parameters”. The purge water was directed into a 20 L pail which was subsequently sealed.

Once the peristaltic pump was turned on, Hatch personnel collected a volume of water over a specified period of time to assess the volumetric flow rate generated by the pump. Measurement of groundwater levels and Physical Parameters were recorded in a dedicated field tablet at periodic intervals to assess changes in the physical conditions of groundwater throughout the purging process. Measurements of groundwater level and the Physical Parameters were taken approximately every 1 L to 2 L of purge volume. Records of these measurements can be found in Appendix D. This process ensured that the groundwater in the flow-through cell subject to the previous measurements had completely evacuated from the flow-through cell before a new measurement was taken. The water level and Physical Parameters were considered stabilized over a period of three successive readings prior to sample collection.

A summary of the measured water levels and Physical Parameters that were recorded prior to sampling are provided in Section 4.6.

#### **3.4.5 Groundwater Sampling**

Groundwater samples were obtained from each of the monitoring wells upon stabilization of groundwater levels and Physical Parameters. The YSI Professional Plus was then disconnected from the peristaltic pump and samples were obtained from pumping the groundwater into the dedicated sample containers.

In total, three samples plus one blind field duplicate were collected during the sampling event. The samples were collected in laboratory-supplied bottles and stored in an ice-filled cooler.

All groundwater samples were submitted to Paracel in Mississauga, Ontario. The groundwater samples that were submitted for chemical analysis are summarized in Table 3-3.

**Table 3-3: Summary of Submitted Groundwater Samples**

Monitoring Well Number	Date Sampled	Parameters Tested					
		PHC	M&I	PAH	VOC	PCB	OCP
MW25-01*	11/24/25	1	1	1	1	1	1
MW25-02	11/24/25	1	1	1	1	1	1
MW25-03	11/24/25	1	1	1	1	1	1
DUP-01*	11/24/25	1	1	1	1	1	1
<b>TOTAL</b>		<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>

\* These two samples were not field filtered, in order to assess against PWQO standards.

### 3.5 Residue Management Procedures

The management of soil, groundwater, and fluids from equipment cleaning was conducted as indicated in Table 3-4.

**Table 3-4: Residue Management Procedure Summary**

Residue	Management Procedure
Soil from excavation	Soil lifted from the test pits within the mini excavator bucket during sampling was backfilled into the test pit. Care was put into restoring the soil layers as before at the proper observed depths.
Groundwater from purging	Groundwater from purging the monitoring wells was removed from the area of each monitoring well and discharged into a sealed pail. The sealed pails were moved to a location chosen by ONTC, disposal of which is to be coordinated by ONTC.
Fluids from equipment cleaning	Water mixed with cleaning solution was released on the ground surface in an area away from the monitoring well and test pits.

### 3.6 Elevation Surveying

The GPS coordinates, including elevation, were surveyed for all boreholes on the Site during the geotechnical investigation. The borehole locations and elevations can be found within the borehole logs provided in *ONTC Englehart Yard – Geotechnical Investigation and Design Report H375313-1000-2A0-230-0001* (Hatch, 2025) and in Appendix B. Test pit GPS coordinates were obtained via a handheld GPS (Garmin ETREX 22x), to an accuracy of 3 to 5 m during this geoenvironmental investigation.

### 3.7 Quality Assurance and Quality Control Measures

Proper field protocols for sample collection and handling were followed by all Hatch personnel in general accordance with the *MECP Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario* (MECP, 1996). All field equipment was decontaminated with a mixture of Alconox® and distilled water between sample collection. Clean nitrile gloves were used for each sample to eliminate the potential for cross contamination of samples. Soil samples for VOCs were collected directly into laboratory supplied containers. The remaining chemical parameters were collected directly into a Ziplock bag and later sub-sampled into laboratory supplied containers based on field screening measurements. All groundwater samples were collected directly into laboratory supplied containers, preserved as required, and stored in ice-filled coolers. Proper chain of custody procedures were followed by Hatch and the laboratory during sample transfer.

Soil and groundwater samples were collected using dedicated sampling equipment for each monitoring well. Groundwater samples collected for analysis of metals were field filtered using a dedicated 0.45-micron filter for monitoring wells MW25-02 and MW25-03. Groundwater containers were filled to the required volumes. Sample containers were labelled with unique sample identification, the project number, and the sampling date. A laboratory supplied chain of custody was completed and submitted with the samples to the laboratory.

Blind field duplicate samples of soil and groundwater were collected and submitted for laboratory analysis as part of this investigation. The field duplicate sample was assessed as part of the quality assurance (QA) and quality control (QC) program through a comparison of analytical results of the original sample to the field duplicate sample. Field duplicate samples measure the cumulative effects of both field and laboratory precision and hence provide an indication of overall precision. Therefore, field duplicates may have greater variability than laboratory duplicates which measure only laboratory precision. Field duplicates were evaluated based on the relative percent difference (RPD) in parameter concentrations.

The RPD was calculated in accordance with the *Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality* (MECP 2021) (the “Protocol”). The calculated RPD was assessed against the recommended performance criteria outlined in the Protocol where the measured concentration was greater than five times the method detection limit (MDL). RPD values are presented in Appendix E and F results tables. The results of the duplicate analysis are discussed in Section 4.8 .

Parcel performed QA/QC procedures as outlined in their CALA procedures. These procedures included analysis of laboratory duplicates and blanks as well as analysis of surrogate recovery as outlined in the Certificate of Analysis provided in Appendix G.

## 4. Results and Evaluation

### 4.1 Geology and Soil Stratigraphy

A brief summary of the subsurface conditions encountered at the Site is presented below. Detailed borehole records, as well as a more comprehensive and detailed analysis of the geology and soil stratigraphy can be found in the report titled *ONTC Englehart Yard – Geotechnical Investigation and Design Report H375313-1000-2A0-230-0001* (Hatch, 2025) and within the borehole logs from that investigation attached in Appendix B. Photographs of the test pits from the November 2025 investigation, both during excavation or post-excavation can be found in Appendix E.

Subsurface conditions were interpreted from the boreholes and test pits, which were advanced to target depth during the May and November 2025 investigations, and no bedrock was encountered in any of the test pits.

The typical soil profile, in descending order by depth, includes:

- Topsoil (from Gravelly Sand to Silt)
- Fill containing organics and rootlets
- Sandy Silt
- Silt was encountered within a few test pits including TP25-03, TP25-04, TP25-05
- Silty clay to high plasticity clay

### 4.2 Soil Texture Analysis

No soil texture or grain size analysis was conducted as part of this investigation.

Based on the stratigraphy observed during excavation activities, soils were classified as primarily coarse-grained. Fine-grained materials were observed under the coarse-grained materials.

### 4.3 Field Screening

A total of 25 soil samples were screened using an RKI Eagle 2 which measured hexane and isobutylene. Hexane concentrations ranged from 0 ppm to 35 ppm and isobutylene concentrations at 0 ppm. The results are summarized in Table 4-1.

**Table 4-1: Summary of Field Screening Results**

Sample ID	Sampling Depth (mbgs)	Date Sampled	Field Screening Measurements (ppm)	
			Hexane	Isobutylene
TP25-01-S1	0.5 – 0.6	11/23/25	0	0
TP25-01-S2	1.0 – 1.1	11/23/25	0	0
TP25-01-S3 (Duplicate of TP25-01-S2)	1.0 – 1.1	11/23/25	0	0
TP25-01-S4	2.0 – 2.1	11/23/25	0	0
TP25-02-S1	0.5 – 0.6	11/23/25	0	0
TP25-02-S2	1.0 – 1.1	11/23/25	0	0
TP25-02-S3	2.0 – 2.1	11/23/25	0	0
TP25-03-S1	0.5 – 0.6	11/23/25	0	0
TP25-03-S2	1.0 – 1.1	11/23/25	0	0
TP25-03-S3	2.0 – 1.1	11/23/25	0	0
TP25-04-S1	0.5 – 0.6	11/22/25	5	0
TP25-04-S2	1.0 – 1.1	11/22/25	10	0
TP25-04-S3	2.0 – 2.1	11/22/25	10	0
TP25-05-S1	0.5 – 0.6	11/22/25	25	0
TP25-05-S2	1.0 – 1.1	11/22/25	35	0
TP25-05-S3	2.0 – 2.1	11/22/25	10	0
TP25-06-S1	0 - 0.3	11/22/25	25	0
TP25-07-S1	0 - 0.3	11/22/25	25	0
TP25-08-S1	0 - 0.3	11/22/25	15	0
TP25-09-S1	0 - 0.3	11/22/25	35	0
TP25-10-S1	0 - 0.3	11/22/25	0	0
TP25-11-S1	0 - 0.3	11/22/25	0	0
TP25-11-S2 (Duplicate of TP25-11-S1)	0 - 0.3	11/22/25	0	0
TP25-12-S1	0 - 0.3	11/22/25	25	0
TP25-13-S1	0 - 0.3	11/23/25	0	0

## 4.4 Hydrogeology

### 4.4.1 Elevations and Groundwater Flow Direction

Groundwater levels were measured at the Site on November 23 and 24, 2025. During the 2025 Geotechnical Investigation, screen lengths of approximately 4.8 m were installed at all three monitoring wells. The measured water levels for MW25-01 to MW25-03 prior to developing the wells was 0.2 mbgs for all wells. Just prior to sampling, the following day, measured levels were 0.2, 0.3, and 0.2 mbgs for MW25-01, MW25-02, and MW25-03, respectively.

The groundwater elevations were calculated based on the measured groundwater levels and monitoring well ground elevations. Groundwater elevations and flow direction are presented in Figure 3 of Appendix A.

The groundwater elevations observed between November 23 and 24, 2025 ranged from 201.41 masl to 205.06 masl. Based on the observed groundwater elevations, the local groundwater flow direction on the Site is assumed to be northwesterly.

#### **4.4.2** *Hydraulic Gradient*

The hydraulic gradient was calculated based on the November 24, 2025, groundwater elevations. The horizontal hydraulic gradient was calculated to be 0.0096 based on these measurements.

#### **4.5** **Free Product Thickness**

During well development activities, 1 mm of light non-aqueous phase liquids (LNAPLs) was encountered at MW25-01. Measurable levels of light non-aqueous phase liquids (LNAPLs) and dense non-aqueous phase liquids (DNAPLs) were not encountered in any other monitoring wells on the Site.

#### **4.6** **Field Measurements of Groundwater Quality**

Field measurements of groundwater quality were obtained immediately prior to sample collection and are summarized in Table 4-2. As discussed in Section 3.4.4, water was drawn from the monitoring wells using a low flow peristaltic pump, and water within the monitoring well was purged prior to sample collection. The measurements of Physical Parameters, summarized in Table 4-2, were those recorded after stabilization and prior to sample collection. Monitoring well development and purging/sampling forms were used to record field measurements of groundwater quality and are provided in Appendix D.

**Table 4-2: Field Measurements of Groundwater Quality Prior to Sampling**

Monitoring Well ID	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Appearance and Odour
MW25-01	6.5	7.03	545	0.75	96.6	Moderate PHC odour, slightly yellow, some turbidity
MW25-02	6.8	7.29	388.8	0.16	0.9	Slightly yellow, slightly turbid, moderate PHC odour.
MW25-03	6.2	7.13	423.2	2.14	124.4	Clear but slightly turbid, no odour.

## 4.7 Analytical Results

### 4.7.1 *Soil Chemical Quality Geotechnical Investigation May 2025*

Soil samples taken during the installation of MW25-01, MW25-02, and MW25-03 during the Geotechnical Investigation were sampled at depths ranging 0 - 0.6 mbgs and 0.8 – 1.4 mbgs. These did not indicate any exceedance when compared against Table 8 SCS RPIICC. The Certificates of Analysis for this investigation can be found in Appendix H.

### 4.7.2 *Soil Chemical Quality Geoenvironmental Investigation November 2025*

The soil analytical results for the Geoenvironmental investigation are presented in Tables 1 to 7 of Appendix E. Soil sample quality, with a summary of exceedances, is presented in Figure 4 of Appendix A. The Certificates of Analysis for all samples are provided in Appendix G.

#### 4.7.2.1 *Environmental Bulk Soil Sample Parameters*

A total of 20 bulk soil samples, including two blind field duplicates for QA/QC purposes, were collected and submitted for analysis. The soil analytical results for metals & inorganics, petroleum hydrocarbons (PHCs), volatile organic carbons (VOCs) and BTEX, polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), organochlorine (OC) pesticides, are provided in Table 1 - 6 of Appendix E, respectively.

All parameter concentrations of all bulk samples analyzed satisfied the Table 8 RPIICC SCS and Table 8.1 ICC ESQS except at the following locations:

#### **TP25-01:**

- Metals and Inorganics: S2 (1.0 – 1.1 mbgs), S3 (1.0 – 1.1 mbgs), and S4 (2.0 – 2.1 mbgs) exceeded Table 2.1 ESQS in electrical conductivity (EC)

#### **TP25-02:**

- Metals and Inorganics: S1 (0.5 – 0.6 mbgs), S2 (1.0 – 1.1 mbgs), and S3 (2.0 – 2.1 mbgs) exceeded Table 2.1 ESQS in EC

#### **TP25-03:**

- Metals and Inorganics: S2 (1.0 – 1.1 mbgs) and S3 (2.0 – 2.1 mbgs) exceeded Table 2.1 ESQS in EC

#### **TP25-04:**

- Metals and Inorganics: S2 (1.0 – 1.1 mbgs) and S3 (2.0 – 2.1 mbgs) exceeded Table 2.1 ESQS in EC

#### **TP25-05:**

- Metals and Inorganics: S1 (0.5 – 0.6 mbgs) and S2 (1.0 – 1.1 mbgs) exceeded Table 2.1 ESQS in EC

**TP25-06:**

- Metals and Inorganics: S1 (0 – 0.3 mbgs) exceeded Table 8 RPIICC SCS in Cobalt, Table 8.1 ESQS in Antimony, Chromium, Molybdenum, Silver, and Table 2.1 ESQS in EC, Arsenic, Cadmium, Copper, Lead, Mercury, Selenium, Zinc
- PHCs: S1 (0 – 0.3 mbgs) exceeded Table 8.1 ESQS in F4 (C34-C50) and Table 2.1 ESQS in F3 (C16-C34)
- VOCs and BTEX: S1 exceeded Table 2.1 in Xylenes

**TP25-07:**

- Metals and Inorganics: S1 (0 – 0.3 mbgs) exceeded Table 8.1 ESQS in Antimony, Molybdenum, Selenium, Silver and Table 2.1 ESQS in EC, Arsenic, Cadmium, Copper, Lead, Mercury, Zinc
- PHCs: S1 (0 – 0.3 mbgs) exceeded Table 2.1 ESQS in F3 (C16-C34)
- PAHs: S1 (0 – 0.3 mbgs) exceeded Table 8.1 ESQS in Naphthalene

**TP25-08:**

- Metals and Inorganics: S1 (0 – 0.3 mbgs) exceeded Table 8.1 ESQS in Antimony, Cobalt, Molybdenum, Selenium, Silver, and Table 2.1 in EC, Arsenic, Cadmium, Copper, Lead, Zinc
- PAHs: S1 (0 – 0.3 mbgs) exceeded Table 8.1 ESQS in Naphthalene

**TP25-09:**

- Metals and Inorganics: S1 (0 – 0.3 mbgs) exceeded Table 8.1 ESQS in Copper, Table 2.1 ESQS in EC and Table 2.1 LSL in Copper leachate

**TP25-10:**

- Metals and Inorganics: S1 (0.3 – 0.5 mbgs) exceeded Table 8.1 ESQS in Zinc, and Table 2.1 ESQS in EC

**TP25-11:**

- Metals and Inorganics: S1 (0.3 – 0.5 mbgs) exceeded Table 8.1 ESQS in Antimony, Cobalt, Molybdenum, Silver, and S2 (0.3 – 0.5 mbgs) exceeded Table 8.1 ESQS in Antimony, Molybdenum, Silver. Both S1 and S2 exceeded Table 2.1 ESQS in EC, Arsenic, Cadmium, Copper, Lead, Mercury, Selenium, Zinc
- PHCs: S1 (0.3 – 0.5 mbgs) exceeded Table 8.1 ESQS in F2 (C10-C16) and F4 (C34-C50) and exceeded Table 2.1 ESQS in F3 (C16-C34). S2 (0.3 – 0.5 mbgs) exceeded Table 8.1 ESQS in F4 (C34-C50) and Table 2.1 in F3 (C16-C34)
- VOCs and BTEX: S1 (0.3 – 0.5 mbgs) and S2 (0.3 – 0.5 mbgs) exceeded Table 2.1 ESQS in Xylenes

H377031

- PAHs: S1 (0.3 – 0.5 mbgs) exceeded Table 8 RPIICC SCS in 2-Methylnaphthalene, Table 8.1 ESQS in Benzo[b]fluoranthene, Indeno [1,2,3-cd] pyrene, Naphthalene, and Table 2.1 ESQS in Anthracene, Benzo[a]pyrene, and Phenanthrene. S2 (0.3 – 0.5 mbgs) exceeded Table 8.1 ESQS in Naphthalene and Table 2.1 ESQS in Phenanthrene.

**TP25-12:**

- Metals and Inorganics: S1 (0 – 0.3 mbgs) exceeded Table 8.1 ESQS in Antimony, Cadmium, Molybdenum, Thallium and Table 2.1 ESQS in EC, Arsenic, Copper, Lead, Mercury, Selenium, Silver, Zinc
- PHCs: S1 (0 – 0.3 mbgs) exceeded Table 2.1 ESQS in F2 (C10-C16)
- VOCs and BTEX: S1 (0 – 0.3 mbgs) exceeded Table 2.1 ESQS in Benzenes, Xylenes, Ethylbenzene and Toluene
- PAHs: S1 (0 – 0.3 mbgs) exceeded Table 2.1 ESQS in Naphthalene

**TP25-13:**

- Metals and Inorganics: S1 (0.3 – 0.85 mbgs) exceeded Table 2.1 ESQS in EC

All remaining bulk samples met the applicable Table 8 RPIICC SCS and Table 8.1 ICC ESQS criteria.

**4.7.2.2** *Modified Synthetic Precipitation Leaching Procedure Analysis (mSPLP)*

A total of 3 soil samples were collected and submitted for mSPLP analysis of Metals and Inorganics, VOCs, and Semi-Volatiles Organic Compounds. The soil analytical results for mSPLP are provided in Table 7.

All mSPLP parameter concentrations of all samples analyzed satisfied Table 8.1 ICC LSL, apart from Copper within TP25-09-S1 (0 – 0.3 mbgs) exceeding Table 2.1 ICC LSL.

**4.7.2.3** *Toxicity Characteristic Leaching Procedure (TCLP)*

Two composite soil samples were collected and submitted for analysis of TCLP anions and nutrients, TCLP extractables, TCLP metals, TCLP VOCs, and TCLP PCBs. The soil analytical results for TCLP tests are provided in Table 8.

The parameter concentrations of the sample analyzed satisfied the Schedule 4 Leachate Quality Criteria of O. Reg. 347/90, 558/00.

**4.7.3** *Groundwater Chemical Quality*

The groundwater analytical results are presented in Table 9 to 15 in Appendix F. Four groundwater samples, including one blind field duplicate for QA/QC purposes, were collected and submitted for analysis. Figure 5 in Appendix A shows the location and summary of exceedance for the groundwater results.

H377031

The laboratory analysis indicated all parameter concentrations satisfied O.Reg 153/04 Table 8 and Provincial Water Quality Objectives (PWQO) except for the following:

- Cobalt, Copper, and Uranium in samples taken from MW25-01 meeting O.Reg 153/04 Table 8 but exceeding PWQO guideline limits.

#### **4.8 Quality Assurance and Quality Control Results**

A summary of the results of the RPD analysis is provided in Appendix E and Appendix F.

**Table 4-3: Summary of QA/QC Results**

Media	Sample ID	Field Duplicate ID	Sample Date	Parameters	QA/QC Results
Soil	TP25-01-S2	TP25-01-S3	23-Nov-2025	M&I, VOCs, PHCs, BTEX, PAHs, OCPS, PCBs	RPD values PHCs and BTEX, Metals and Inorganics, VOCs, PCBs and OCPs were all noted below 60%. RDP values for several PAHs parameters were listed above 60% ( including Anthracene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Indeno [1,2,3-cd] pyrene)
Groundwater	MW25-01	DUP-01	24-Nov-2025	Metals and Inorganics, Anions and General Inorganics, VOCs, PHCs, OCPs, PCBs, PAHs	The RPD values satisfied the relevant performance criteria.

With the exception of the noted RPD exceedances in Table 4-3, all other parameters analyzed in soil and groundwater satisfied the relevant performance criteria. The RPD calculations can be found in Appendix E and Appendix F.

Additionally, Paracel performed QA/QC procedures as outlined in their CALA procedures. These procedures included analysis of laboratory duplicates, matrix spike, reference materials, method blanks, and laboratory control samples as specified in the Certificates of Analysis provided in Appendix G.

## 4.9 Discussion

Based on the results presented in the previous sub-sections, soil results for several parameters exceeded Table 8 RPIICC SCS and/or Table 8.1 ICC ESQS/LSL in several locations within the Site.

Thirteen test pits were excavated within the Site boundary during this investigation. Metals results including Arsenic, Cobalt, Copper, Lead, Mercury, Selenium, Zinc and/or Silver and Cadmium exceeded Table 8 RPIICC SCS and Table 2.1 ICC ESQ/LSL at the location of TP25-06, TP25-07, TP25-08, TP25-09, TP25-11 and TP25-12. At the location of TP25-09 Leachate Copper result exceeded MECP Table 2.1 ICC LSL. It should be noted that almost all soil contamination was identified within the surface layer (<0.3 mbgs) and on the southern portion of the Site within and close to the ditch.

Groundwater indicated exceedances only at one location (MW25-01) for Cobalt, Copper and Uranium when compared to PWQO standards. All other groundwater results met Table 8 and PWQO standards.

### 4.9.1 *Soil and Groundwater Management and Monitoring*

As the Site is being turned into a lumber transload facility, soil and groundwater management and monitoring will be required construction and excavation activities. Activities associated with the operation of the new lumber transload facility may also have the potential to continue impacting soil and groundwater quality.

Further soil characterization may be needed prior to construction if excess soil will be removed from the Site and transported to a Reuse facility. Guidelines and recommendations regarding soil and groundwater management are discussed in a Soil and Groundwater Management Plan, particularly for the impacted soil areas in the southern portion of the site along and within the ditch, which requires particular attention.

Additionally, as the Site is located in close proximity to fish-bearing water courses, sediment-laden surface drainage or impacted groundwater in the form of construction water discharge, will need to be treated on-site due to sensitive downstream receivers. Monitoring during soil and groundwater management activities is recommended to meet all applicable guidelines. This will be further discussed in a Soil and Groundwater Management Plan.

## 5. Conclusion and Recommendations

This report summarizes the results of Hatch's geoenvironmental investigation that was completed in November 2025. Based on the results of the investigation and the conclusions noted above, Hatch recommends:

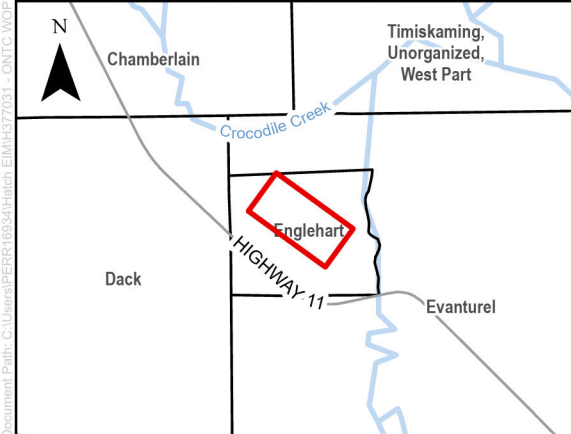
- Impacted soil exceeding Table 2.1 ICC ESQS/LSLs is mostly located within the southern ditch portion of the Site. Groundwater exceedances of the PWQO are found at MW25-01, which is also close to the southern ditch.
- ONTC should continue semi-annual monitoring of on-Site groundwater in order to achieve at least two consecutive clean events.
- ONTC should consider further soil and groundwater management planning prior to any soil removal to guide excavation, handling, potential on-site reuse, and off-site movement in accordance with applicable regulations and soil volume.
- Excavated contaminated soil should be managed as a waste and disposed of at a reuse site (if suitable) or sent to a MECP licensed landfill facility if deemed to be non-hazardous. An excess soil management plan may be required depending on the volume of excavated soils. All excess soil during construction should follow the MECP's Excess Soil Best Management Practices Guide.
- Dewatering during construction may result in groundwater requiring treatment prior to discharge to ditch or natural environment, containment, and/or transportation offsite for treatment and disposal.
- A Soil and Groundwater Management Plan for the Site has been prepared concurrently (see H377031-1036-840-230-0001, Rev.2), including recommendations for soil reuse or disposal options with approximate vertical and horizontal delineation based on sampling results. Due to the Site's location near fish-bearing watercourses, the Plan also provides guidance on how to ensure there are no impacts to downstream receivers from any construction dewatering, drainage, runoff, and/or erosion from the Site.

## 6. Bibliography

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# Appendix A

## Figures



**LEGEND**

	Road
	Approximate Site Boundary
	Unevaluated Wetland

- NOTES:**
- Produced by Hatch, contains information licensed under the Open Government Licence – Ontario
  - Spatial referencing: NAD 1983 UTM Zone 17N
  - All Monitoring Wells drilled by Hatch during 2025 Geotechnical Investigation
  - Wetlands - Ontario Ministry of Natural Resources and Forestry, January 19, 2026. Wetland boundaries modified to reflect current land use



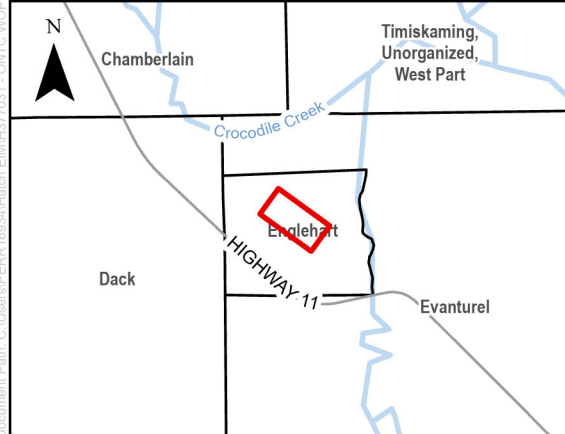
**PROJECT:** ONTC Englehart Rail Yard Geoenvironmental Investigation

**FIGURE TITLE:** Site Location Plan

**CLIENT:** ONTC

<b>DWG BY:</b> S. PERRY	<b>CHK BY:</b> P. VATANI	<b>FIG NO.:</b> 1	<b>REV NO.:</b> A
<b>DATE:</b> 15/04/26	<b>PAGE:</b> 1		

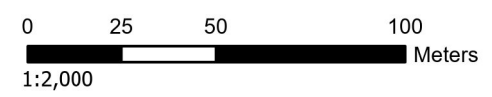




- LEGEND**
- Approximate Test Pit Location
  - Monitoring Well by Hatch (2025)
  - Road
  - Approximate Site Boundary

**NOTES:**

1. Produced by Hatch, contains information licensed under the Open Government Licence – Ontario
2. Spatial referencing: NAD 1983 UTM Zone 17N
3. All Monitoring Wells drilled by Hatch during 2025 Geotechnical Investigation



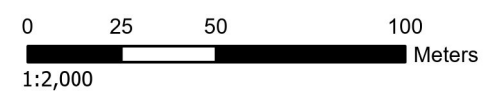
<b>PROJECT:</b>		ONTC Englehart Rail Yard Geoenvironmental Investigation		
<b>FIGURE TITLE:</b>		Monitoring Wells and Test Pits Location Plan		
<b>CLIENT:</b>		ONTC		
<b>DWG BY:</b> S. PERRY	<b>CHK BY:</b> P. VATANI	<b>FIG NO.:</b> 2	<b>REV NO.:</b> A	
<b>DATE:</b> 19/03/26	<b>PAGE:</b> 1			



- LEGEND**
- Approximate Test Pit Location
  - ⊕ Monitoring Well by Hatch (2025)
  - ← Approximate Groundwater Flow
  - Groundwater Contour
  - Road
  - - - Approximate Site Boundary

**NOTES:**

1. Produced by Hatch, contains information licensed under the Open Government Licence – Ontario
2. Spatial referencing: NAD 1983 UTM Zone 17N
3. All Monitoring Wells drilled by Hatch during 2025 Geotechnical Investigation



<b>PROJECT:</b> ONTC Englehart Rail Yard Geoenvironmental Investigation				<b>HATCH</b>
<b>FIGURE TITLE:</b> Groundwater Elevation Flow Direction (November 24, 2025)				
<b>CLIENT:</b> ONTC				
<b>DWG BY:</b> S. PERRY	<b>CHK BY:</b> P. VATANI	<b>FIG NO.:</b> 3	<b>REV NO.:</b> A	
<b>DATE:</b> 19/03/26	<b>PAGE:</b> 1			

Sample ID	Sample Depth (mbgs)	Parameter	Table 8 RPIICC SCS / Table 8.1 ICC ESQS	Table 2.1 ICC ESQS	Concentration (µg/g)
TP25-11-S1	0.3 - 0.5	Antimony	1.3	40	19.4
		Arsenic	18	18	373
		Cadmium	1.2	1.9	9
		Cobalt	22 / 40	80	48
		Copper	92	230	3970
		Lead	120	120	1490
		Mercury	0.27	0.27	1.1
		Molybdenum	2	40	8.3
		Selenium	1.5	5.5	11.6
		Silver	0.5	40	21
		Zinc	290	340	1550
		F2 (C10-C16)	10	26	11
		F3 (C16-C34)	240	240	506
		F4 (C34-C50)	120	3300	218
		Xylenes (Total)	0.05	0.091	0.28
		Anthracene	0.22 / 0.16	0.16	0.25
		Benzo(a)pyrene	0.3 / 0.31	0.31	0.55
		Benzo[b]fluoranthene	0.47	3.2	0.64
		Indeno(1,2,3-cd)pyrene	0.23	0.76	0.43
		2-Methylnaphthalene	0.59 / -	-	0.63
Naphthalene	0.09	0.2	0.53		

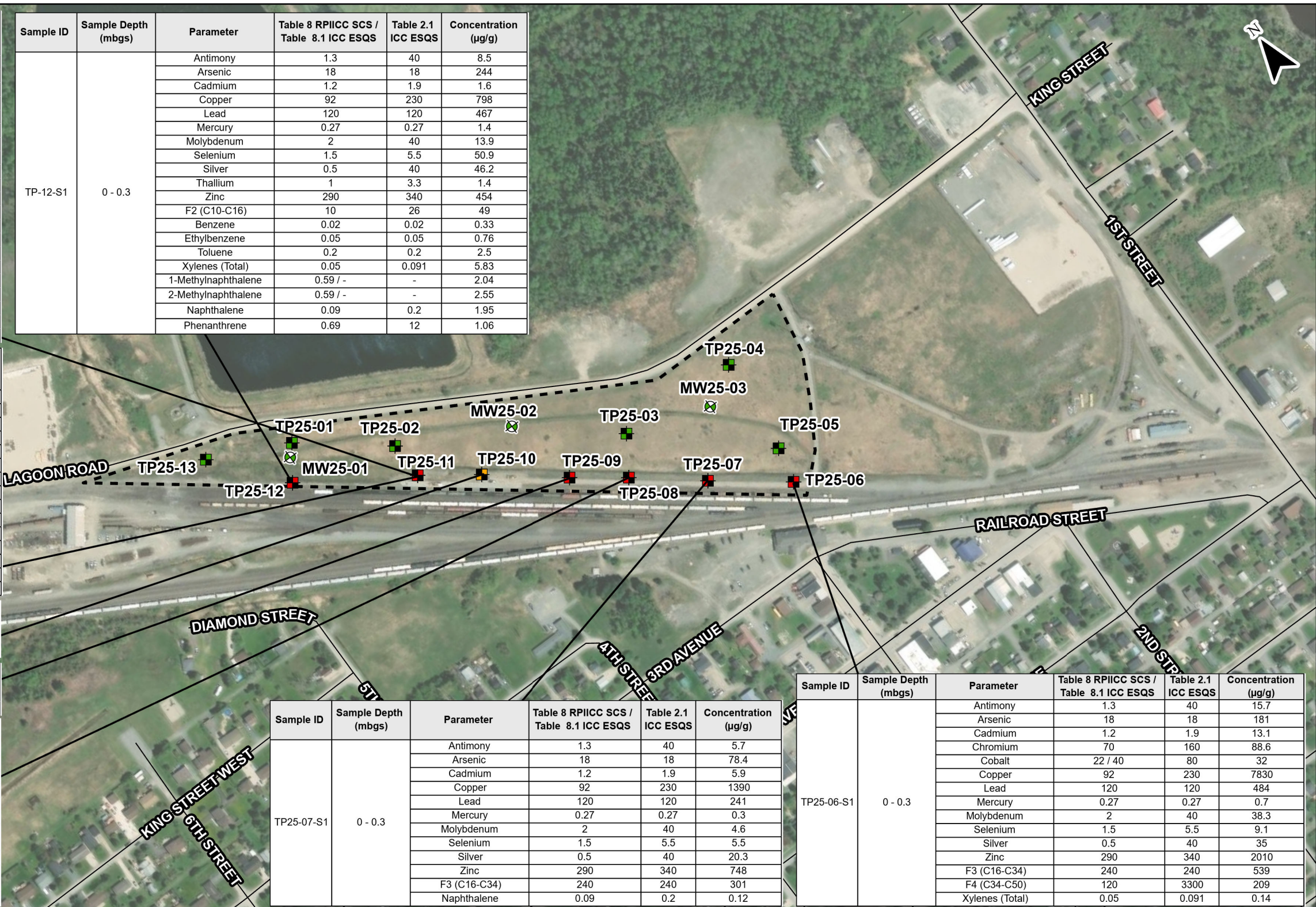
Sample ID	Sample Depth (mbgs)	Parameter	Table 8 RPIICC SCS / Table 8.1 ICC ESQS	Table 2.1 ICC ESQS	Concentration (µg/g)
TP-12-S1	0 - 0.3	Antimony	1.3	40	8.5
		Arsenic	18	18	244
		Cadmium	1.2	1.9	1.6
		Copper	92	230	798
		Lead	120	120	467
		Mercury	0.27	0.27	1.4
		Molybdenum	2	40	13.9
		Selenium	1.5	5.5	50.9
		Silver	0.5	40	46.2
		Thallium	1	3.3	1.4
		Zinc	290	340	454
		F2 (C10-C16)	10	26	49
		Benzene	0.02	0.02	0.33
		Ethylbenzene	0.05	0.05	0.76
		Toluene	0.2	0.2	2.5
		Xylenes (Total)	0.05	0.091	5.83
		1-Methylnaphthalene	0.59 / -	-	2.04
		2-Methylnaphthalene	0.59 / -	-	2.55
		Naphthalene	0.09	0.2	1.95
		Phenanthrene	0.69	12	1.06

Sample ID	Sample Depth (mbgs)	Parameter	Table 8 RPIICC SCS / Table 8.1 ICC ESQS	Table 2.1 ICC ESQS	Concentration (µg/g)
TP25-11-S2	0.3 - 0.5	Antimony	1.3	40	15.9
		Arsenic	18	18	331
		Cadmium	1.2	1.9	8.5
		Cobalt	22 / 40	80	36.2
		Copper	92	230	4410
		Lead	120	120	971
		Mercury	0.27	0.27	1
		Molybdenum	2	40	8
		Selenium	1.5	5.5	10.8
		Silver	0.5	40	27.1
		Zinc	290	340	1500
		F3 (C16-C34)	240	240	555
		F4 (C34-C50)	120	3300	252
		Xylenes (Total)	0.05	0.091	0.45
		Naphthalene	0.09	0.2	0.33

Sample ID	Sample Depth (mbgs)	Parameter	Table 8 RPIICC SCS / Table 8.1 ICC ESQS	Table 2.1 ICC ESQS	Concentration (µg/g)
TP25-10-S1	0.3 - 0.5	Zinc	290	340	309

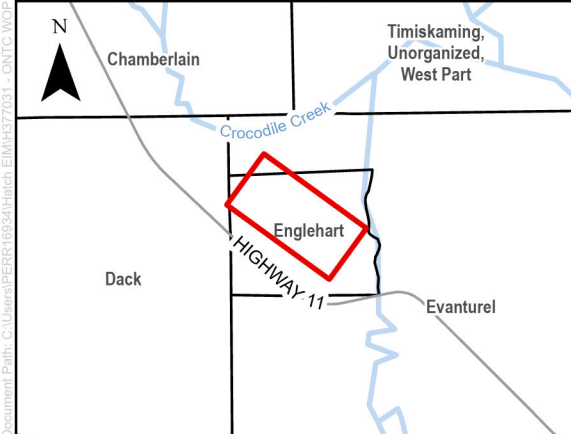
Sample ID	Sample Depth (mbgs)	Parameter	Table 8 RPIICC SCS / Table 8.1 ICC ESQS	Table 2.1 ICC ESQS	Concentration (µg/g)
TP25-09-S1	0 - 0.3	Copper	92	230	176

Sample ID	Sample Depth (mbgs)	Parameter	Table 8 RPIICC SCS / Table 8.1 ICC ESQS	Table 2.1 ICC ESQS	Concentration (µg/g)
TP25-08-S1	0 - 0.3	Antimony	1.3	40	3.1
		Arsenic	18	18	70.7
		Cadmium	1.2	1.9	10.1
		Cobalt	22 / 40	80	44.6
		Copper	92	230	2130
		Lead	120	120	163
		Molybdenum	2	40	3.4
		Selenium	1.5	5.5	3.6
		Silver	0.5	40	10.9
		Zinc	290	340	678
		Naphthalene	0.09	0.2	0.12



Sample ID	Sample Depth (mbgs)	Parameter	Table 8 RPIICC SCS / Table 8.1 ICC ESQS	Table 2.1 ICC ESQS	Concentration (µg/g)
TP25-07-S1	0 - 0.3	Antimony	1.3	40	5.7
		Arsenic	18	18	78.4
		Cadmium	1.2	1.9	5.9
		Copper	92	230	1390
		Lead	120	120	241
		Mercury	0.27	0.27	0.3
		Molybdenum	2	40	4.6
		Selenium	1.5	5.5	5.5
		Silver	0.5	40	20.3
		Zinc	290	340	748
		F3 (C16-C34)	240	240	301
		Naphthalene	0.09	0.2	0.12

Sample ID	Sample Depth (mbgs)	Parameter	Table 8 RPIICC SCS / Table 8.1 ICC ESQS	Table 2.1 ICC ESQS	Concentration (µg/g)
TP25-06-S1	0 - 0.3	Antimony	1.3	40	15.7
		Arsenic	18	18	181
		Cadmium	1.2	1.9	13.1
		Chromium	70	160	88.6
		Cobalt	22 / 40	80	32
		Copper	92	230	7830
		Lead	120	120	484
		Mercury	0.27	0.27	0.7
		Molybdenum	2	40	38.3
		Selenium	1.5	5.5	9.1
		Silver	0.5	40	35
		Zinc	290	340	2010
		F3 (C16-C34)	240	240	539
		F4 (C34-C50)	120	3300	209
Xylenes (Total)	0.05	0.091	0.14		



**LEGEND**

- Soil Sample meeting MECP Table 8 RPIICC SCS and Table 8.1 ICC ESQS/LSLs, except EC and SAR
- Soil Sample exceeding Table 8.1 ICC ESQS/LSLs but meeting Table 2.1 ICC ESQS/LSLs, except EC and SAR
- Soil Sample exceeding Table 2.1 ICC ESQS/LSLs
- Road
- - - Approximate Site Boundary

**NOTES:**

- Produced by Hatch, contains information licensed under the Open Government Licence – Ontario
- Spatial referencing: NAD 1983 UTM Zone 17N
- All Monitoring Wells drilled by Hatch during 2025 Geotechnical Investigation

0 50 100 200  
1:4,000 Meters

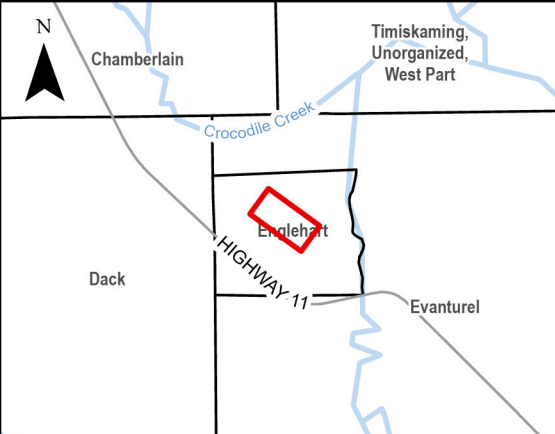
**PROJECT:** ONTC Englehart Rail Yard Geoenvironmental Investigation

**FIGURE TITLE:** Soil Exceedances

**CLIENT:** ONTC

<b>DWG BY:</b> S. PERRY	<b>CHK BY:</b> P. VATANI	<b>FIG NO.:</b> 4	<b>REV NO.:</b> A
<b>DATE:</b> 19/03/26	<b>PAGE:</b> 1	<b>HATCH</b>	

Sample ID	Parameter	Table 8 SCS	PWQO	Concentration (µg/L)
BH25-01	Cobalt	3.8	0.9	1.2
	Copper	69	1	3.9
	Uranium	20	5	5.6
DUP-01	Cobalt	3.8	0.9	1.2
	Copper	69	1	4.3
	Uranium	20	5	6



**LEGEND**

- Approximate Test Pit Location
- Groundwater Sample meeting MECP Table 8 SCS but exceeding PWQO
- Groundwater Sample meeting MECP Table 8 SCS and PWQO
- Road
- Approximate Site Boundary

**NOTES:**

- Produced by Hatch, contains information licensed under the Open Government Licence – Ontario
- Spatial referencing: NAD 1983 UTM Zone 17N
- All Monitoring Wells drilled by Hatch during 2025 Geotechnical Investigation

0 25 50 100  
Meters  
1:2,000

**PROJECT:** ONTC Englehart Rail Yard Geoenvironmental Investigation

**FIGURE TITLE:** Groundwater Exceedances

**CLIENT:** ONTC

<b>DWG BY:</b> S. PERRY	<b>CHK BY:</b> P. VATANI	<b>FIG NO.:</b> 5	<b>REV NO.:</b> A
<b>DATE:</b> 19/03/26	<b>PAGE:</b> 1		

# **Appendix B**

## **Test Pit (November 2025) and Borehole (May 2025) Records**

# BOREHOLE RECORD

**BH25-01**

<b>Client:</b> Ontario Northland	<b>Final Depth:</b> 18.89 m	<b>Easting:</b> 583996.51 m
<b>Project:</b> ONTC Englehart Lumber Yard	<b>Coord. System:</b> NAD83 / UTM zone 17N	<b>Northing:</b> 5297988.78 m
<b>Project No:</b> H375313-1011 <b>Location:</b> Englehart, ON, Canada	<b>Vertical Datum:</b> CGVD28	<b>Elevation:</b> 201.65 m
<b>Contractor:</b> Landshark Drilling	<b>Rig Type:</b> B57 Track 5	<b>Bearing:</b>
<b>Driller:</b> Braideon Di ilio	<b>Hole Diam (mm):</b> 152	<b>Inclination:</b>
<b>Date Logged:</b> May 09, 2025		<b>Logged by:</b> AG
<b>Date Checked:</b> May 22, 2025		<b>Reviewed by:</b> TB

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description	Run Recovery	Sample Type	Sample Number	Recovery %	Blows	SPT N-Value	Particle Size	Lab Testing	Construction and Installation	
201.0	1.0	152 mm O.D. Hollow Stem Augers		TOPSOIL: ; .	SPT	SPT	1	3-1-4-5	5	■			0.00 - 0.15m: Sand	
				SILTY SAND (SM): angular to rounded, fine to medium ; loose, brown, moist, containing organics and rootlets (FILL).	SPT	SPT	2	25	0-1-0-1	1	■			0.15 - 0.91m: Bentonite
				Sandy SILTY CLAY (CL): low plasticity; very soft, grey, black and brown staining, moist, containing organics and rootlets (FILL/REWORKED).	SPT	SPT	3	102	0-0-0-0	0	■			
200.0	2.0			SILTY CLAY (CL): low plasticity; very soft to stiff, grey, trace sand, oxidation staining to 2.2m, w>PL.	SPT	SPT	4	102	0-0-0-0	0	■			
199.0	3.0				SPT	SPT	5	97	0-0-0-0	0	■			0.91 - 4.88m: Sand
198.0	4.0				SPT	SPT	6	102	0-0-0-0	0	■			
197.0	5.0				SPT	SPT	7	102	0-0-0-0	0	■			
196.0	6.0				SPT	SPT	8	102	0-0-0-0	0	■			
195.0	7.0				SPT	SPT	9	102	0-0-0-0	0	■			
194.0	8.0											4.88 - 10.67m: Bentonite		
193.0	9.0													
192.0	10.0													

Notes: 1. SPT 'Blow' values of zero indicates that the sampler was advanced by weight of hammer (WOH)

# BOREHOLE RECORD

**BH25-01**

<b>Client:</b> Ontario Northland	<b>Final Depth:</b> 18.89 m	<b>Easting:</b> 583996.51 m
<b>Project:</b> ONTC Englehart Lumber Yard	<b>Coord. System:</b> NAD83 / UTM zone 17N	<b>Northing:</b> 5297988.78 m
<b>Project No:</b> H375313-1011 <b>Location:</b> Englehart, ON, Canada	<b>Vertical Datum:</b> CGVD28	<b>Elevation:</b> 201.65 m
<b>Contractor:</b> Landshark Drilling	<b>Rig Type:</b> B57 Track 5	<b>Bearing:</b>
<b>Driller:</b> Braideon Di ilio	<b>Hole Diam (mm):</b> 152	<b>Inclination:</b>
<b>Date Logged:</b> May 09, 2025		<b>Logged by:</b> AG
<b>Date Checked:</b> May 22, 2025		<b>Reviewed by:</b> TB

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description	Run Recovery	Sample Type	Sample Number	Recovery %	Blows	SPT N-Value	Particle Size	Lab Testing	Construction and Installation		
191.0	11.0	152 mm O.D. Hollow Stem Augers		SILTY CLAY (CL): low plasticity; very soft to stiff, grey, trace sand, oxidation staining to 2.2m, w>PL.		SPT	10	103	2-4-4-4	8	<div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ MC (%)</span> <span>■ PL &amp; LL (%)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>● SPT N-value</span> <span>▲ PP (kPa)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ Field Peak Vane (kPa)</span> <span>○ Field Rem. Vane (kPa)</span> </div>				
190.0	12.0							SPT	11	102	1-2-4-4	6		<div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ MC (%)</span> <span>■ PL &amp; LL (%)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>● SPT N-value</span> <span>▲ PP (kPa)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ Field Peak Vane (kPa)</span> <span>○ Field Rem. Vane (kPa)</span> </div>	
189.0	13.0							SPT	12	102	2-2-3-4	5		<div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ MC (%)</span> <span>■ PL &amp; LL (%)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>● SPT N-value</span> <span>▲ PP (kPa)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ Field Peak Vane (kPa)</span> <span>○ Field Rem. Vane (kPa)</span> </div>	
188.0	14.0							SPT	13	100	0-0-0-4	0		<div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ MC (%)</span> <span>■ PL &amp; LL (%)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>● SPT N-value</span> <span>▲ PP (kPa)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ Field Peak Vane (kPa)</span> <span>○ Field Rem. Vane (kPa)</span> </div>	
187.0	15.0							SPT	14	102	0-0-0-0	0		<div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ MC (%)</span> <span>■ PL &amp; LL (%)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>● SPT N-value</span> <span>▲ PP (kPa)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ Field Peak Vane (kPa)</span> <span>○ Field Rem. Vane (kPa)</span> </div>	
186.0	16.0							SPT	13	100	0-0-0-4	0		<div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ MC (%)</span> <span>■ PL &amp; LL (%)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>● SPT N-value</span> <span>▲ PP (kPa)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ Field Peak Vane (kPa)</span> <span>○ Field Rem. Vane (kPa)</span> </div>	
185.0	17.0							SPT	14	102	0-0-0-0	0		<div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ MC (%)</span> <span>■ PL &amp; LL (%)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>● SPT N-value</span> <span>▲ PP (kPa)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ Field Peak Vane (kPa)</span> <span>○ Field Rem. Vane (kPa)</span> </div>	
184.0	18.0							SPT	14	102	0-0-0-0	0		<div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ MC (%)</span> <span>■ PL &amp; LL (%)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>● SPT N-value</span> <span>▲ PP (kPa)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ Field Peak Vane (kPa)</span> <span>○ Field Rem. Vane (kPa)</span> </div>	
183.0	19.0						End of hole at 18.89 m.							<div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ MC (%)</span> <span>■ PL &amp; LL (%)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>● SPT N-value</span> <span>▲ PP (kPa)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ Field Peak Vane (kPa)</span> <span>○ Field Rem. Vane (kPa)</span> </div>	
182.0	20.0													<div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ MC (%)</span> <span>■ PL &amp; LL (%)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>● SPT N-value</span> <span>▲ PP (kPa)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <span>○ Field Peak Vane (kPa)</span> <span>○ Field Rem. Vane (kPa)</span> </div>	

Notes: 1. SPT 'Blow' values of zero indicates that the sampler was advanced by weight of hammer (WOH)

# BOREHOLE RECORD

## BH25-02

<b>Client:</b> Ontario Northland	<b>Final Depth:</b> 6.70 m	<b>Easting:</b> 584185.98 m
<b>Project:</b> ONTC Englehart Lumber Yard	<b>Coord. System:</b> NAD83 / UTM zone 17N	<b>Northing:</b> 5297885.04 m
<b>Project No:</b> H375313-1011 <b>Location:</b> Englehart, ON, Canada	<b>Vertical Datum:</b> CGVD28	<b>Elevation:</b> 203.64 m
<b>Contractor:</b> Landshark Drilling	<b>Rig Type:</b> B57 Track 5	<b>Bearing:</b>
<b>Driller:</b> Braideon Di ilio	<b>Hole Diam (mm):</b> 152	<b>Inclination:</b>
<b>Date Logged:</b> May 08, 2025		<b>Logged by:</b> AG
<b>Date Checked:</b> May 22, 2025		<b>Reviewed by:</b> TB

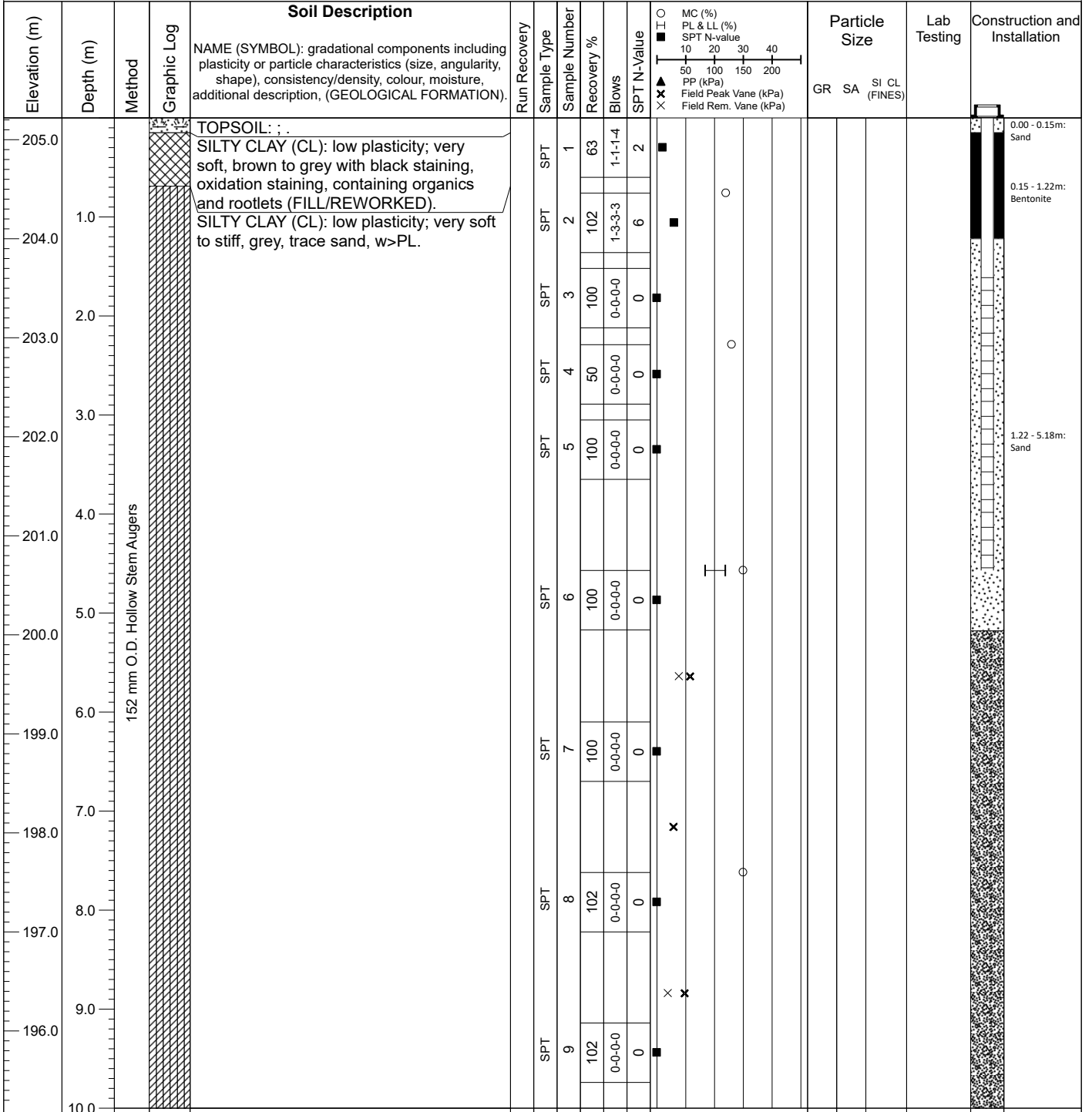
Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description <small>NAME (SYMBOL): gradational components including plasticity or particle characteristics (size, angularity, shape), consistency/density, colour, moisture, additional description, (GEOLOGICAL FORMATION).</small>	Run Recovery	Sample Type	Sample Number	Recovery %	Blows	SPT N-Value	Particle Size				Lab Testing	Construction and Installation
											GR	SA	SI	CL (FINES)		
203.0	1.0	152 mm O.D. Hollow Stem Augers		SILTY SAND (SM): angular to rounded, fine to medium; loose, brown to grey, moist, containing organics and rootlets (FILL).	SPT	1	82	3-3-6-9	9	■					0.00 - 0.15m: Sand	
202.0	2.0			SILTY CLAY (CL): low plasticity; very soft, grey, brown staining, trace sand, containing organics and rootlets, w>PL (FILL/REWORKED).	SPT	2	102	0-1-0-1	1	■						0.15 - 1.22m: Bentonite
201.0	3.0			SILTY CLAY (CL): low plasticity; very soft to firm, grey, trace sand, w>PL.	SPT	3	92	0-0-0-0	0	■						
200.0	4.0				SPT	4	93	0-0-0-0	0	■						
199.0	5.0				SPT	5	102	0-0-0-0	0	■						1.22 - 4.88m: Sand
198.0	6.0				SPT	6	102	0-0-0-0	0	■		×				4.88 - 6.10m: Bentonite
197.0	7.0				SPT	7	102	0-0-0-0	0	■		×				
196.0	8.0	End of hole at 6.70 m.														

Notes: 1. SPT 'Blow' values of zero indicates that the sampler was advanced by weight of hammer (WOH)

# BOREHOLE RECORD

## BH25-03

<b>Client:</b> Ontario Northland	<b>Final Depth:</b> 15.84 m	<b>Easting:</b> 584355.07 m
<b>Project:</b> ONTC Englehart Lumber Yard	<b>Coord. System:</b> NAD83 / UTM zone 17N	<b>Northing:</b> 5297793.35 m
<b>Project No:</b> H375313-1011 <b>Location:</b> Englehart, ON, Canada	<b>Vertical Datum:</b> CGVD28	<b>Elevation:</b> 205.22 m
<b>Contractor:</b> Landshark Drilling	<b>Rig Type:</b> B57 Track 5	<b>Bearing:</b>
<b>Driller:</b> Braideon Di ilio	<b>Hole Diam (mm):</b> 152	<b>Inclination:</b>
<b>Date Logged:</b> May 08, 2025		<b>Logged by:</b> AG
<b>Date Checked:</b> May 22, 2025		<b>Reviewed by:</b> TB



Notes: 1. SPT 'Blow' values of zero indicates that the sampler was advanced by weight of hammer (WOH)

# BOREHOLE RECORD


**BH25-03**

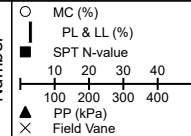
<b>Client:</b> Ontario Northland	<b>Final Depth:</b> 15.84 m	<b>Easting:</b> 584355.07 m
<b>Project:</b> ONTC Englehart Lumber Yard	<b>Coord. System:</b> NAD83 / UTM zone 17N	<b>Northing:</b> 5297793.35 m
<b>Project No:</b> H375313-1011	<b>Location:</b> Englehart, ON, Canada	<b>Vertical Datum:</b> CGVD28
<b>Contractor:</b> Landshark Drilling	<b>Rig Type:</b> B57 Track 5	<b>Bearing:</b>
<b>Driller:</b> Braideon Di ilio	<b>Hole Diam (mm):</b> 152	<b>Inclination:</b>
<b>Date Logged:</b> May 08, 2025		<b>Logged by:</b> AG
<b>Date Checked:</b> May 22, 2025		<b>Reviewed by:</b> TB

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description	Run Recovery	Sample Type	Sample Number	Recovery %	Blows	SPT N-Value	Particle Size	Lab Testing	Construction and Installation		
				NAME (SYMBOL): gradational components including plasticity or particle characteristics (size, angularity, shape), consistency/density, colour, moisture, additional description, (GEOLOGICAL FORMATION).							MC (%) PL & LL (%) SPT N-value PP (kPa) Field Peak Vane (kPa) Field Rem. Vane (kPa)	GR SA SI CL (FINES)			
195.0		152 mm O.D. Hollow Stem Augers		SILTY CLAY (CL): low plasticity; very soft to stiff, grey, trace sand, w>PL.											
194.0	11.0				SPT	10	102	0-0-0-0	0						
193.0	12.0				SPT	11	102	3-3-3-3	6						
192.0	13.0				SPT	12	102	0-0-3-4	3						
191.0	14.0				SPT	13	82	4-3-4-6	7						
190.0	15.0														
189.0	16.0						End of hole at 15.84 m.								
188.0	17.0														
187.0	18.0														
186.0	19.0														
185.0	20.0														

Notes: 1. SPT 'Blow' values of zero indicates that the sampler was advanced by weight of hammer (WOH)

<b>Client:</b> ONTC	<b>Final Depth:</b> 2.10 m	<b>Easting:</b> 584012.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b> NA	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b> ONTC	<b>Equipment:</b> Excavator	<b>Date Logged:</b> 23/11/25
<b>Operator:</b> Ben	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b> CC
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description	Sample Type	Sample Number	TESTS AND REMARKS	Water
				<p>TYPE: consistency/density; colour; moisture; plasticity or particle characteristics (size, grading, shape, roundness); accessory components.</p> <p>ORGANIC SOIL: subangular, fine to medium ; soft to firm, dark brown, moist, no odorno staining some organics.</p> <p>Sandy SILT (ML): ; soft to firm, grayish brown, dry to moist, no odor, trace orange staining .</p>				
		Excavation		High plasticity CLAY: high plasticity ; firm to stiff, grayish brown, dry to moist, no odor, some orange staining.	ES	TP25-01-S1		
-1.0	1.0			High plasticity CLAY: high plasticity ; firm to stiff, grayish brown, moist, no odor, some orange staining .	ES	TP25-01-S2	TP25-01-S3 = Duplicate of TP25-01-S2	
-2.0	2.0			End of test pit at 2.10 m.	ES	TP25-01-S4		



Notes: Sheet 1 of 1

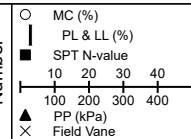


# TEST PIT RECORD

## TP25-02

<b>Client:</b> ONTC	<b>Final Depth:</b> 2.10 m	<b>Easting:</b> 584087.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b>	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b>	<b>Equipment:</b>	<b>Date Logged:</b> 23/11/25
<b>Operator:</b>	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b>
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description	Sample Type	Sample Number	TESTS AND REMARKS	Water
				ORGANIC SILT: ; soft to firm, dark brown, moist, no odor or staining.				
				Sandy SILT (ML): ; very soft to soft, grayish brown, dry to moist, no odor , some orange staining .				
				High plasticity CLAY: high plasticity ; firm to stiff, grayish brown, wet, no odor and little staining, few organics.	ES	TP25-02-S1		
					ES	TP25-02-S2		
					ES	TP25-02-S3		
				End of test pit at 2.10 m.				



Notes: Sheet 1 of 1

<b>Client:</b> ONTC	<b>Final Depth:</b> 2.10 m	<b>Easting:</b> 584266.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b> NA	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b> ONTC	<b>Equipment:</b> Excavator	<b>Date Logged:</b> 23/11/25
<b>Operator:</b> Ben	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b> OS
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description	Sample Type	Sample Number	TESTS AND REMARKS	Water
				<p>TYPE: consistency/density; colour; moisture; plasticity or particle characteristics (size, grading, shape, roundness); accessory components.</p> <p>ORGANIC SILT: low plasticity ; very soft to soft, dark brown, moist, no odour or staining.</p> <p>Sandy SILT (ML): non-plastic ; firm to very stiff, light grayish brown, dry to moist, no odour, few orange staining, some organics.</p>				
				SILT (ML): low plasticity ; firm to hard, light grayish brown, moist to wet, no odour, some orange staining, little organics.	ES	TP25-03-S1		
					ES	TP25-03-S2		
					ES	TP25-03-S3		
				End of test pit at 2.10 m.				

<b>Notes:</b>	Sheet 1 of 1
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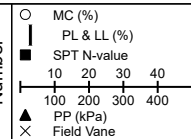


# TEST PIT RECORD

## TP25-04

<b>Client:</b> ONTC	<b>Final Depth:</b> 2.10 m	<b>Easting:</b> 584379.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b> NA	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b> ONTC	<b>Equipment:</b> Excavator	<b>Date Logged:</b> 22/11/25
<b>Operator:</b> Ben	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b> OS
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description	Sample Type	Sample Number	TESTS AND REMARKS	Water
				<p>TYPE: consistency/density; colour; moisture; plasticity or particle characteristics (size, grading, shape, roundness); accessory components.</p> <p>ORGANIC SILT: ; very soft to soft, dark brown, no odour or staining.</p>				
				<p>Sandy SILT (ML): ; soft to very stiff, light grayish brown, no odour or staining, some organics.</p>	ES	TP25-04-S1		
				<p>SILT (ML): non-plastic ; soft to very stiff, light grayish brown, moist to wet, no odour, little orange staining.</p>	ES	TP25-04-S2		
				<p>SILTY CLAY: medium plasticity ; very stiff to hard, gray, moist to wet, no odour, little orange staining.</p>	ES	TP25-04-S3		
				<p>End of test pit at 2.10 m.</p>				



Notes: Sheet 1 of 1

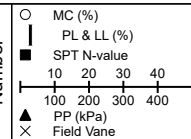


# TEST PIT RECORD

## TP25-05

<b>Client:</b> ONTC	<b>Final Depth:</b> 2.10 m	<b>Easting:</b> 584371.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b> NA	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b> ONTC	<b>Equipment:</b> Excavator	<b>Date Logged:</b> 22/11/25
<b>Operator:</b> Ben	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b> OS
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description	Sample Type	Sample Number	TESTS AND REMARKS	Water
				<p><b>Soil Description</b></p> <p>TYPE: consistency/density; colour; moisture; plasticity or particle characteristics (size, grading, shape, roundness); accessory components.</p>				
				ORGANIC SILT: ; soft to firm, dark brown, no odour or staining.				
				Sandy SILT (ML): low plasticity ; soft to very stiff, light grayish brown, dry to moist, no odour or staining, some organics.	ES	TP25-05-S1		
				SILT (ML): non-plastic ; firm to very stiff, light grayish brown, moist to wet, no odour, slight orange staining.	ES	TP25-05-S2		
					ES	TP25-05-S3		
				End of test pit at 2.10 m.				



Notes: Sheet 1 of 1



# TEST PIT RECORD

## TP25-06

<b>Client:</b> ONTC	<b>Final Depth:</b> 0.30 m	<b>Easting:</b> 584364.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b> NA	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b> ONTC	<b>Equipment:</b> Excavator	<b>Date Logged:</b> 22/11/25
<b>Operator:</b> Ben	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b> CC
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description TYPE: consistency/density; colour; moisture; plasticity or particle characteristics (size, grading, shape, roundness); accessory components.	Sample Type	Sample Number	TESTS AND REMARKS				Water
							MC (%)	PL & LL (%)	SPT N-value	PP (kPa)	
		Excavation		Sandy ORGANIC SOIL: subangular, medium ; soft to firm, loose to compact, dark brown, dry to moist, gravelly organic topsoil.	ES	TP25-06-S1					
				End of test pit at 0.30 m.							
-1.0	1.0										
-2.0	2.0										

Notes: Sheet 1 of 1



# TEST PIT RECORD

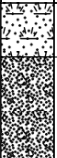
## TP25-07

<b>Client:</b> ONTC	<b>Final Depth:</b> 0.30 m	<b>Easting:</b> 584301.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b> NA	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b> ONTC	<b>Equipment:</b> Excavator	<b>Date Logged:</b> 22/11/25
<b>Operator:</b> Ben	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b> CC
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description TYPE: consistency/density; colour; moisture; plasticity or particle characteristics (size, grading, shape, roundness); accessory components.	Sample Type	Sample Number	TESTS AND REMARKS				Water
							MC (%)	PL & LL (%)	SPT N-value	PP (kPa)	
		Excavation		Sandy ORGANIC SOIL: non-plastic subangular, medium to coarse ; soft, dark brown, moist, organic gravelly topsoil.	ES	TP25-07-S1					
				End of test pit at 0.30 m.							
-1.0	1.0										
-2.0	2.0										


Notes: Sheet 1 of 1

<b>Client:</b> ONTC	<b>Final Depth:</b> 0.30 m	<b>Easting:</b> 584244.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b> NA	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b> ONTC	<b>Equipment:</b> Excavator	<b>Date Logged:</b> 22/11/25
<b>Operator:</b> Ben	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b> CC
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description TYPE: consistency/density; colour; moisture; plasticity or particle characteristics (size, grading, shape, roundness); accessory components.	Sample Type	Sample Number	TESTS AND REMARKS				Water
							MC (%)	PL & LL (%)	SPT N-value	PP (kPa)	
		Excavation		Sandy ORGANIC SOIL: subangular, fine to medium ; soft, dark brown, moist, lots of organics and sticks. Gravelly ORGANIC SOIL with Sand: subangular, fine to medium ; soft to firm, grayish brown, moist, no odor.	ES	TP25-08-S1					
				End of test pit at 0.30 m.							
-1.0	1.0										
-2.0	2.0										

<b>Notes:</b>	Sheet 1 of 1
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<b>Client:</b> ONTC	<b>Final Depth:</b> 0.30 m	<b>Easting:</b> 584200.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b> NA	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b> ONTC	<b>Equipment:</b> Excavator	<b>Date Logged:</b> 22/11/25
<b>Operator:</b> Ben	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b> CC
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description TYPE: consistency/density; colour; moisture; plasticity or particle characteristics (size, grading, shape, roundness); accessory components.	Sample Type	Sample Number	TESTS AND REMARKS				Water
							MC (%)	PL & LL (%)	SPT N-value	PP (kPa)	
		Excavation		ORGANIC SOIL: subangular, medium ; soft to soft, dark brown, moist, no odor or staining . Gravelly ORGANIC SOIL with Sand: subangular to rounded ; soft to firm, light grayish brown, no odor or staining, lots of organics.	ES	TP25-09-S1					
				End of test pit at 0.30 m.							
-1.0	1.0										
-2.0	2.0										

Notes: Sheet 1 of 1



# TEST PIT RECORD

## TP25-10

<b>Client:</b> ONTC	<b>Final Depth:</b> 0.50 m	<b>Easting:</b> 584136.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b> NA	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b> ONTC	<b>Equipment:</b> Excavator	<b>Date Logged:</b> 22/11/25
<b>Operator:</b> Ben	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b> CC
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description TYPE: consistency/density; colour; moisture; plasticity or particle characteristics (size, grading, shape, roundness); accessory components.	Sample Type	Sample Number	TESTS AND REMARKS				Water
							MC (%)	PL & LL (%)	SPT N-value	PP (kPa)	
		Excavation		ORGANIC SOIL: subangular, medium ; soft, dark brown, dry to moist, no odor or staining. lots of organics.							
				Poorly graded SAND: subangular, fine to medium ; compact to dense, grayish brown, moist to wet, no odor or staining.	ES	TP25-10-S1					
				End of test pit at 0.50 m.							
-1.0	1.0										
-2.0	2.0										

Notes: Sheet 1 of 1



# TEST PIT RECORD

## TP25-11

<b>Client:</b> ONTC	<b>Final Depth:</b> 0.50 m	<b>Easting:</b> 584088.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b> NA	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b> ONTC	<b>Equipment:</b> Excavator	<b>Date Logged:</b> 22/11/25
<b>Operator:</b> Ben	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b> CC
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description TYPE: consistency/density; colour; moisture; plasticity or particle characteristics (size, grading, shape, roundness); accessory components.	Sample Type	Sample Number	TESTS AND REMARKS				Water	
							MC (%)	PL & LL (%)	SPT N-value	PP (kPa)		
		Excavation		ORGANIC SILT with Gravel: ; very soft to soft, dark brown to black, moist, no odor or staining, lots of organics.	ES	TP25-11-S2					TP25-11-S2 = Duplicate of TP25-11-S1	
				End of test pit at 0.50 m.								
-1.0	1.0											
-2.0	2.0											

Notes: Sheet 1 of 1



# TEST PIT RECORD

## TP25-12

<b>Client:</b> ONTC	<b>Final Depth:</b> 0.30 m	<b>Easting:</b> 583991.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b> NA	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b> ONTC	<b>Equipment:</b> Excavator	<b>Date Logged:</b> 22/11/25
<b>Operator:</b> Ben	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b> CC
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description TYPE: consistency/density; colour; moisture; plasticity or particle characteristics (size, grading, shape, roundness); accessory components.	Sample Type	Sample Number	TESTS AND REMARKS				Water
							MC (%)	PL & LL (%)	SPT N-value	PP (kPa)	
		Excavation		Poorly graded GRAVEL: angular ; very loose to compact, black some orange staining, moist, orange staining.	ES	TP25-12-S1					
				End of test pit at 0.30 m.							
-1.0	1.0										
-2.0	2.0										

Notes: Sheet 1 of 1

<b>Client:</b> ONTC	<b>Final Depth:</b> 0.85 m	<b>Easting:</b> 583939.00 m
<b>Project:</b> Englehart Soil Management	<b>Location:</b> Canada/Ontario/Englehart	<b>Coord. System:</b> NAD83 / UTM zone 17N
<b>Project No:</b> H377031	<b>Dimensions:</b> NA	<b>Vertical Datum:</b> CGVD2013
<b>Contractor:</b> ONTC	<b>Equipment:</b> Hand Auger	<b>Date Logged:</b> 23/11/25
<b>Operator:</b> OS	<b>Method:</b>	<b>Date Checked:</b> 17/03/26
		<b>Logged by:</b> CC
		<b>Checked by:</b> CC

Elevation (m)	Depth (m)	Method	Graphic Log	Soil Description TYPE: consistency/density; colour; moisture; plasticity or particle characteristics (size, grading, shape, roundness); accessory components.	Sample Type	Sample Number	TESTS AND REMARKS		Water
							MC (%)	PL & LL (%)	
		Hand Auger		ORGANIC SILT: ; very soft to soft, dark brown, moist, no odour or staining.					
				Sandy SILTY CLAY: low plasticity ; firm to stiff, light grayish brown, moist, no odour or staining.	ES	TP25-13-S1			
-1.0	1.0			End of test pit at 0.85 m.					
-2.0	2.0								

Notes: Sheet 1 of 1

# Appendix C

## Certificates of Calibration



# CERTIFICATE OF CALIBRATION

The RKI Instrument listed below has been inspected and calibrated following the Manufacturer's specifications and methods.

Instrument Model: **RKI Eagle 2** Serial Number: **E2H870** Calibration Date: **November 20, 2025**

SENSOR	CALIBRATION GAS STANDARD	CALIBRATION GAS CONCENTRATION	READING PRIOR TO ADJUSTMENT	INSTRUMENT SPAN SETTINGS	ALARM LEVEL SETTING
VOC	Isobutylene LOT# 24-2659	100 PPM	100 PPM	100 PPM	400 & 1000 PPM
Combustible	Methane LOT# 23-1447	50% LEL	<500 PPM	VERIFICATION ONLY "METHANE ELIMINATION" MODE	
Combustible	Hexane LOT# 24-3261	15% LEL	15% LEL	15% LEL "METHANE ELIMINATION" MODE	10 & 50% LEL
Combustible	Hexane LOT# 23-1273	15% LEL	15% LEL	15% LEL FULL GAS RESPONSE MODE	10 & 50% LEL

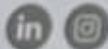
The calibration gas standard used is considered to be a certified standard and is traceable to the National Institute of Standards and Technology (NIST). Certificate of Analysis is available upon request.

The instrument indicated above is now certified to be operating within the Manufacturer's specifications. This does not eliminate the requirement for regular maintenance and pre-use sensor response checks in order to ensure continued complete and accurate operating condition.

Certified By: **Derrick Patrick**

## MAXIM Environmental and Safety Inc.

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# CERTIFICATE OF CALIBRATION

The YSI Instrument listed below has been inspected and calibrated following the Manufacturer's specifications and methods.

Instrument Model: YSI Professional Plus Serial Number: 18G103138 Calibration Date: Nov 17 2025

<u>3-POINT pH</u>	<u>CONDUCTIVITY</u>	<u>DISSOLVED OXYGEN</u>	<u>OXIDIZATION - REDUCTION POTENTIAL</u>
4.00 pH, 7.00 pH, 10.00 pH	1413uS/cm	100% @ 20 DegC	240 mV
4.00 pH LOT # 3GG0502	LOT # 3GG0678		LOT# 5766
Expiry Date: August 2, 2026	Expiry Date: June 25, 2026		Expiry Date: May 20, 2026
7.00 pH LOT # 3GH0684	@25 DegC		
Expiry Date: June 22, 2026			
10.00 pH LOT # 3GE0945			
Expiry Date: May 16, 2026			

The calibration standard used is considered to be a certified standard and is traceable to the National Institute of Standards and Technology (NIST). Certificate of Analysis is available upon request.

The instrument indicated above is now certified to be operating within the Manufacturer's specifications. This does not eliminate the requirement for regular maintenance and pre-use sensor response checks in order to ensure continued complete and accurate operating condition.

Certified By: AC

# **Appendix D**

## **Monitoring Well Development and Purging/Sampling Records**

## Monitoring Well Development Record

<b>Client:</b>	ONTC	<b>Project Title:</b>	Englehart Soil and Groundwater Management Plan	<b>Project No.:</b>	H-377031
<b>Monitoring Well ID:</b>	MW25-01	<b>Responsible Professional:</b>	Owen Salvucci		
<b>General Information</b>					
MECP Monitoring Well ID:		Driller:	check BH logs		
Type of Monitoring Well:	Monument	Pump/Bailer Type:	Hand Purge		
Depth Measurements Measured From:	Metres below top of pipe (mbtop)	Date and Time of Well Installation:			
<b>Monitoring Well Dimensions and Volume</b>		<b>Headspace Vapour Readings</b>		<b>Development Information</b>	
Measurement Date and Time:	November 23, 2025 12:42 PM	<b>Parameter</b>	<b>Reading (ppm)</b>	Development Date and Start Time:	November 23, 2025 12:44 PM
Internal Diameter of Well (m):	0.05	HEX	35	Flow Rate (L/min):	NA
Initial Depth to Bottom of Well (m):	5.43	IBL	0	Total Volume Removed (L):	38
Initial Static Water Depth (m)	1.22	Methane		Total Time to Develop Well (h:min):	::
		Other Gases			
Is there a difference measured depth to bottom of well from the borehole log?	Yes	<b>Additional Notes</b>		Final Water Depth (m):	3.45
Monitoring Well Volume (L):	8.266			Did the well go dry while developing?	No
Minimum Required Volume to Develop Well (L):	24.798			Where was the purged water disposed?	Sealed bucket, disposed of by ONTC

## Monitoring Well Development Record

<b>Client:</b> ONTC	<b>Project Title:</b> Englehart Soil and Groundwater Management Plan	<b>Project No.:</b> H-377031
<b>Monitoring Well ID:</b> MW25-02	<b>Responsible Professional:</b> Owen Salvucci	
<b>General Information</b>		
MECP Monitoring Well ID:	Driller:	Check BH logs
Type of Monitoring Well: Monument	Pump/Bailer Type:	Hand Purge
Depth Measurements Measured From:	Metres below top of pipe (mbtop)	Date and Time of Well Installation:
<b>Monitoring Well Dimensions and Volume</b>	<b>Headspace Vapour Readings</b>	<b>Development Information</b>
Measurement Date and Time: November 23, 2025 2:09 PM	<b>Parameter</b>	Development Date and Start Time: November 23, 2025 2:12 PM
Internal Diameter of Well (m): 0.05	HEX	Flow Rate (L/min): N/A
Initial Depth to Bottom of Well (m): 6.61	IBL	Total Volume Removed (L): 60
Initial Static Water Depth (m) 1.33	Methane	Total Time to Develop Well (h:min): ::
	Other Gases	
Is there a difference measured depth to bottom of well from the borehole log? Yes	<b>Additional Notes</b>	Final Water Depth (m): 4.98
Monitoring Well Volume (L): 10.367	Turbid brown, strong PHC odour	Did the well go dry while developing? No
Minimum Required Volume to Develop Well (L): 31.101		Where was the purged water disposed? Sealed bucket, disposed of by ONTC



## Monitoring Well Development Record

<b>Client:</b> ONTC	<b>Project Title:</b> Englehart Soil and Groundwater Management Plan	<b>Project No.:</b> H-377031
<b>Monitoring Well ID:</b> MW25-03	<b>Responsible Professional:</b> Owen Salvucci	
<b>General Information</b>		
MECP Monitoring Well ID:	Driller:	Check BH logs
Type of Monitoring Well: Monument	Pump/Bailer Type:	Hand Purge
Depth Measurements Measured From:	Metres below top of pipe (mbtop)	Date and Time of Well Installation:
<b>Monitoring Well Dimensions and Volume</b>		<b>Headspace Vapour Readings</b>
Measurement Date and Time:	November 23, 2025 3:14 PM	<b>Parameter</b>
Internal Diameter of Well (m):	0.05	<b>Reading (ppm)</b>
Initial Depth to Bottom of Well (m):	5.54	HEX
Initial Static Water Depth (m)	1.21	IBL
		Methane
		Other Gases
Is there a difference measured depth to bottom of well from the borehole log?	Yes	<b>Additional Notes</b>
Monitoring Well Volume (L):	8.502	Turbid brown, strong PHC odor
Minimum Required Volume to Develop Well (L):	25.506	
		<b>Development Information</b>
		Development Date and Start Time:
		November 23, 2025 3:15 PM
		Flow Rate (L/min):
		NA
		Total Volume Removed (L):
		40
		Total Time to Develop Well (h:min):
		::
		Final Water Depth (m):
		1.86
		Did the well go dry while developing?
		No
		Where was the purged water disposed?
		Sealed bucket, disposed of by ONTC



## Monitoring Well Purging and Sampling Record

<b>Client:</b> ONTC		<b>Project Title:</b> Englehart Soil and Groundwater Management Plan		<b>Project No.:</b> H-377031	
<b>Monitoring Well ID:</b> MW25-01			<b>Responsible Professional:</b> Owen Salvucci		
<b>General Information</b>					
MECP Monitoring Well ID:		Driller: Check BH logs			
Type of Monitoring Well:	Monument	Pump/Bailer Type:	November 24, 2025 8:42 AM		
Depth Measurements Measured From:	Metres below top of pipe (mbtop)	Date and Time of Well Installation:	November 24, 2025 8:42 AM		
<b>Monitoring Well Dimensions and Volume</b>		<b>Headspace Vapour Readings</b>		<b>Purging Information</b>	
Measurement Date and Time:	November 24, 2025 9:04 AM	<b>Parameter</b>	<b>Reading (ppm)</b>	Purging Date and Start Time:	November 24, 2025 10:00 AM
Internal Diameter of Well (m):	0.05	HEX	65	Flow Rate (L/min):	0.3
Initial Depth to Bottom of Well (m):	5.44	IBL	0	Total Volume Removed (L):	7.5
Initial Static Water Depth (m)	1.29	Methane		Total Time to Purge Well (h:min):	::
		Other Gases			
Is there a difference measured depth to bottom of well from the borehole log?	Yes	<b>Additional Notes</b>		Did the well go dry while purging?	No
Monitoring Well Volume (L):	8.149			Where was the purged water disposed?	Purged into buckets. To be disposed of by ONTC
Minimum Required Volume to Purge Well (L):	November 24, 2025 8:51 AM				

### Monitoring Well Purging and Sampling Record

<b>Client:</b> ONTC		<b>Project Title:</b> Englehart Soil and Groundwater Management Plan				<b>Project No.:</b> H-377031			
<b>Monitoring Well ID:</b> MW25-01					<b>Responsible Professional:</b> Owen Salvucci				
Well Purging Record Table									
Volume Number	Time	Volume Removed (L)	Water Depth (m)	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Appearance/Odour
1	09:09	1	1.48	6.4	7.11	502	1.25	156.1	Clear with yellowish tint, no odor
1	09:14	2	1.6	6.4	7.05	497.7	1.08	136.2	Moderate smell of PHCs, yellowish tint but clear
1	09:19	3	1.65	6.4	7.05	510	0.85	123.7	Slight yellow tint, moderate smell of PHCs, slight turbidity
1	09:22	4	1.68	6.3	7.07	502	0.74	109.7	Moderate PHC smell, slight yellowish tint, slightly turbid
1	09:27	5	1.7	6.5	7.05	505	0.6	97.2	Moderate PHC smell, slightly yellowish tint, some turbidity
1	09:32	6	1.71	6.4	7.5	531	0.62	97.2	Moderate PHC smell, slightly yellowish tint, some turbidity
1	09:37	7	1.71	6.5	7.03	545	0.75	96.6	Moderate PHC smell, slightly yellowish tint, some turbidity



## Monitoring Well Purging and Sampling Record

<b>Client:</b>	ONTC	<b>Project Title:</b>	Englehart Soil and Groundwater Management Plan	<b>Project No.:</b>	H-377031
<b>Monitoring Well ID:</b>	MW25-02	<b>Responsible Professional:</b>	Owen Salvucci		
<b>General Information</b>					
MECP Monitoring Well ID:		Driller:	Check BH logs		
Type of Monitoring Well:	Monument	Pump/Bailer Type:	November 24, 2025 11:33 AM		
Depth Measurements Measured From:	Metres below top of pipe (mbtop)	Date and Time of Well Installation:	November 24, 2025 11:33 AM		
<b>Monitoring Well Dimensions and Volume</b>		<b>Headspace Vapour Readings</b>		<b>Purging Information</b>	
Measurement Date and Time:	November 24, 2025 11:42 PM	<b>Parameter</b>	<b>Reading (ppm)</b>	Purging Date and Start Time:	November 24, 2025 12:20 PM
Internal Diameter of Well (m):	0.05	HEX	0	Flow Rate (L/min):	0.3
Initial Depth to Bottom of Well (m):	7.06	IBL	0	Total Volume Removed (L):	8
Initial Static Water Depth (m)	1.35	Methane		Total Time to Purge Well (h:min):	::
		Other Gases			
Is there a difference measured depth to bottom of well from the borehole log?	Yes	<b>Additional Notes</b>		Did the well go dry while purging?	No
				Where was the purged water disposed?	Sealed bucket, disposed of by ONTC
Monitoring Well Volume (L):	11.212				
Minimum Required Volume to Purge Well (L):	November 24, 2025 11:45 AM				

### Monitoring Well Purging and Sampling Record

<b>Client:</b>	ONTC			<b>Project Title:</b>	Englehart Soil and Groundwater Management Plan			<b>Project No.:</b>	H-377031	
<b>Monitoring Well ID:</b>	MW25-02				<b>Responsible Professional:</b>	Owen Salvucci				
Well Purging Record Table										
Volume Number	Time	Volume Removed (L)	Water Depth (m)	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Appearance/Odour	
1	11:50	1	1.61	6.8	7.28	389.8	1.16	72	Slightly yellow, slightly turbid, moderate PHC odour	
1	11:49	2	1.67	6.7	7.28	390	0.78	59.6	Slightly yellow, slightly turbid, moderate PHC odour	
1	11:56	3	1.69	6.7	7.28	390	0.68	51.1	Slightly yellow, slightly turbid, moderate PHC odour	
1	12:00	4	1.71	6.7	7.3	389.9	0.48	39.1	Slightly yellow, slightly turbid, moderate PHC odour	
1	12:04	5	1.72	6.8	7.28	391.3	0.37	28.1	Slightly yellow, slightly turbid, moderate PHC odour	
1	12:08	6	1.73	6.8	7.3	390	0.3	16.3	Slightly yellow, slightly turbid, moderate PHC odour	

## Monitoring Well Purging and Sampling Record

<b>Client:</b> ONTC		<b>Project Title:</b> Englehart Soil and Groundwater Management Plan				<b>Project No.:</b> H-377031				
<b>Monitoring Well ID:</b> MW25-02						<b>Responsible Professional:</b> Owen Salvucci				
1	12:12	7	1.73	6.8	7.29	389.1	0.18	7.3	Slightly yellow, slightly turbid, moderate PHC odour	
1	12:17	8	1.75	6.8	7.29	388.8	0.16	0.9	Slightly yellow, slightly turbid, moderate PHC odour	
<b>Sampling Information</b>										
Sampling Date and Time:		November 24, 2025 12:20 PM				General Parameters		Full Suite		
						Sampled:				

## Monitoring Well Purging and Sampling Record

<b>Client:</b>	ONTC	<b>Project Title:</b>	Englehart Soil and Groundwater Management Plan	<b>Project No.:</b>	H-377031
<b>Monitoring Well ID:</b>	MW25-02	<b>Responsible Professional:</b>	Owen Salvucci		
Sample Depth (m):	4.0	Total Number of Bottles:	12		
Physical Description of Sample:	Slightly yellow, slightly turbid, moderate PHC odour	Final Water Depth (m)	1.74		

## Monitoring Well Purging and Sampling Record

<b>Client:</b> ONTC	<b>Project Title:</b> Englehart Soil and Groundwater Management Plan	<b>Project No.:</b> H-377031												
<b>Monitoring Well ID:</b> MW25-03	<b>Responsible Professional:</b> Owen Salvucci													
<b>General Information</b>														
MECP Monitoring Well ID:	Driller:	Check BH logs												
Type of Monitoring Well: Monument	Pump/Bailer Type:	November 24, 2025 1:27 PM												
Depth Measurements Measured From: Metres below top of pipe (mbtop)	Date and Time of Well Installation:	November 24, 2025 1:27 PM												
<b>Monitoring Well Dimensions and Volume</b>		<b>Purging Information</b>												
Measurement Date and Time: November 24, 2025 1:28 PM	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Headspace Vapour Readings</th> </tr> <tr> <th style="text-align: center;">Parameter</th> <th style="text-align: center;">Reading (ppm)</th> </tr> </thead> <tbody> <tr> <td>HEX</td> <td style="text-align: center;">0</td> </tr> <tr> <td>IBL</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Methane</td> <td></td> </tr> <tr> <td>Other Gases</td> <td></td> </tr> </tbody> </table>		Headspace Vapour Readings		Parameter	Reading (ppm)	HEX	0	IBL	0	Methane		Other Gases	
Headspace Vapour Readings														
Parameter			Reading (ppm)											
HEX			0											
IBL			0											
Methane														
Other Gases														
Internal Diameter of Well (m): 0.05	Purging Date and Start Time: November 24, 2025 1:49 PM													
Initial Depth to Bottom of Well (m): 5.97	Flow Rate (L/min): 0.36													
Initial Static Water Depth (m): 1.27	Total Volume Removed (L): 5													
Is there a difference measured depth to bottom of well from the borehole log? Yes	Total Time to Purge Well (h:min): ::													
Monitoring Well Volume (L): 9.228	Did the well go dry while purging? No													
Minimum Required Volume to Purge Well (L): November 24, 2025 1:28 PM	Where was the purged water disposed? Sealed bucket, disposed of by ONTC													
<b>Well Purging Record Table</b>														

**Monitoring Well Purging and Sampling Record**

<b>Client:</b> ONTC		<b>Project Title:</b> Englehart Soil and Groundwater Management Plan				<b>Project No.:</b> H-377031			
<b>Monitoring Well ID:</b> MW25-03						<b>Responsible Professional:</b> Owen Salvucci			
Volume Number	Time	Volume Removed (L)	Water Depth (m)	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Appearance/Odour
1	13:33	1	1.36	6.3	7.03	403.3	2.69	155.6	Clear but slightly turbid, no smell
1	13:36	2	1.36	6.2	7.08	409	2.33	145.6	Clear but slightly turbid, no smell
1	13:39	3	1.37	6.3	7.11	419.5	2.24	137.5	Clear but slightly turbid, no smell
1	13:43	4	1.36	6.3	7.12	422.4	2.15	129.7	Clear but slightly turbid, no smell
1	13:47	5	1.35	6.2	7.13	423.2	2.14	124.4	Clear but slightly turbid, no smell

## Monitoring Well Purging and Sampling Record

<b>Client:</b>	ONTC	<b>Project Title:</b>	Englehart Soil and Groundwater Management Plan	<b>Project No.:</b>	H-377031
<b>Monitoring Well ID:</b>	MW25-03	<b>Responsible Professional:</b>	Owen Salvucci		
<b>Sampling Information</b>					
Sampling Date and Time:	November 24, 2025 1:49 PM	General Parameters Sampled:	M&I, PHC, PAH, VOC, PCB, OCP		
Sample Depth (m):	4.0	Total Number of Bottles:	12		
Physical Description of Sample:	Turbid, no colour, no odour	Final Water Depth (m)	1.33		

# Appendix E

## Soil Test Results

**TABLE 1**  
**METALS AND INORGANICS ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location		RPD (%)	
					Sample ID	TP25-01-S2		TP25-01-S3
					Date and Time	23-Nov-2025 10:15		23-Nov-2025 10:15
					Laboratory ID			
					Sample Depth (mbgs)	1		1
Laboratory Units								
<b>Calculated Parameters</b>								
SAR	5	5	12	0.01	-	0.30	0.17	55.32
<b>Inorganics</b>								
Conductivity	0.7	0.7	1.4	5	-	<b>134</b>	<b>120</b>	11.02
pH	5 to 9 and 5 to 11	5 to 9 and 5 to 11	5 to 9 and 5 to 11	0.05	-	7.57	7.56	0.01
Cyanide, free	0.051	0.051	0.051	0.03	-	ND (0.03)	ND (0.03)	NC
Chromium, Hexavalent	0.66	0.66	8	0.2	ug/g	0.2	0.2	NC
<b>Metals</b>								
Boron (B), Hot Water Ext.	1.5	1.5	2	0.5	ug/g	ND (0.5)	ND (0.5)	NC
Antimony (Sb)	1.3	1.3	40	1.0	ug/g	ND (1.0)	ND (1.0)	NC
Arsenic (As)	18	18	18	1.0	ug/g	1.4	1.6	NC
Barium (Ba)	220	220	670	1.0	ug/g	57.3	56.8	0.88
Beryllium (Be)	2.5	2.5	8	0.5	ug/g	ND (0.5)	ND (0.5)	NC
Boron (B)	36	36	120	5.0	ug/g	7.2	7.2	NC
Cadmium (Cd)	1.2	1.2	1.9	0.5	ug/g	ND (0.5)	ND (0.5)	NC
Chromium (Cr)	70	70	160	5.0	ug/g	43.8	43.1	1.61
Cobalt (Co)	22	40	80	1.0	ug/g	7.2	6.7	7.19
Copper (Cu)	92	92	230	5.0	ug/g	13.8	12.9	NC
Lead (Pb)	120	120	120	1.0	ug/g	4.4	3.8	NC
Mercury (Hg)	0.27	0.27	0.27	0.1	ug/g	ND (0.1)	ND (0.1)	NC
Molybdenum (Mo)	2	2	40	1.0	ug/g	ND (1.0)	ND (1.0)	NC
Nickel (Ni)	82	82	270	5.0	ug/g	23.1	22.5	NC
Selenium (Se)	1.5	1.5	5.5	1.0	ug/g	ND (1.0)	ND (1.0)	NC
Silver (Ag)	0.5	0.5	40	0.3	ug/g	ND (0.3)	ND (0.3)	NC
Thallium (Tl)	1	1	3.3	1.0	ug/g	ND (1.0)	ND (1.0)	NC
Uranium (U)	2.5	2.5	33	1.0	ug/g	ND (1.0)	ND (1.0)	NC
Vanadium (V)	86	86	86	10.0	ug/g	31.3	31.7	NC
Zinc (Zn)	290	290	340	20.0	ug/g	29.0	26.5	NC

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

**TABLE 1**  
**METALS AND INORGANICS ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-01	TP25-02	TP25-02	TP25-03
					TP25-01-S4	TP25-02-S1	TP25-02-S3	TP25-03-S2
					23-Nov-2025 10:15	23-Nov-2025 9:45	23-Nov-2025 9:45	23-Nov-2025 8:30
					2	0.5	2	1
<b>Calculated Parameters</b>								
SAR	5	5	12	0.01	0.17	0.23	0.16	0.22
<b>Inorganics</b>								
Conductivity	0.7	0.7	1.4	5	<b>128</b>	<b>119</b>	<b>121</b>	<b>107</b>
pH	5 to 9 and 5 to 11	5 to 9 and 5 to 11	5 to 9 and 5 to 11	0.05	7.48	7.41	7.53	7.61
Cyanide, free	0.051	0.051	0.051	0.03	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)
Chromium, Hexavalent	0.66	0.66	8	0.2	0.3	0.3	ND (0.2)	0.2
<b>Metals</b>								
Boron (B), Hot Water Ext.	1.5	1.5	2	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Antimony (Sb)	1.3	1.3	40	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Arsenic (As)	18	18	18	1.0	1.7	1.8	1.1	1.4
Barium (Ba)	220	220	670	1.0	71.0	45.1	50.1	47.0
Beryllium (Be)	2.5	2.5	8	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Boron (B)	36	36	120	5.0	7.6	ND (5.0)	6.2	ND (5.0)
Cadmium (Cd)	1.2	1.2	1.9	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chromium (Cr)	70	70	160	5.0	48.5	29.8	38.4	33.3
Cobalt (Co)	22	40	80	1.0	7.9	4.8	6.0	6.1
Copper (Cu)	92	92	230	5.0	13.6	6.7	12.2	8.8
Lead (Pb)	120	120	120	1.0	4.5	2.7	3.6	3.0
Mercury (Hg)	0.27	0.27	0.27	0.1	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum (Mo)	2	2	40	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Nickel (Ni)	82	82	270	5.0	24.7	14.7	19.9	18.0
Selenium (Se)	1.5	1.5	5.5	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Silver (Ag)	0.5	0.5	40	0.3	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)
Thallium (Tl)	1	1	3.3	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Uranium (U)	2.5	2.5	33	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vanadium (V)	86	86	86	10.0	34.2	22.3	28.4	24.3
Zinc (Zn)	290	290	340	20.0	31.4	20.2	24.0	ND (20.0)

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

**TABLE 1**  
**METALS AND INORGANICS ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-03	TP25-04	TP25-04	TP25-05
					TP25-03-S3	TP25-04-S2	TP25-04-S3	TP25-05-S1
					23-Nov-2025 8:30	22-Nov-2025 15:00	22-Nov-2025 15:00	22-Nov-2025 14:30
					2	1	2	0.5
<b>Calculated Parameters</b>								
SAR	5	5	12	0.01	0.15	0.20	0.12	0.18
<b>Inorganics</b>								
Conductivity	0.7	0.7	1.4	5	<b>47</b>	<b>105</b>	<b>110</b>	<b>44</b>
pH	5 to 9 and 5 to 11	5 to 9 and 5 to 11	5 to 9 and 5 to 11	0.05	7.43	7.45	7.63	6.64
Cyanide, free	0.051	0.051	0.051	0.03	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)
Chromium, Hexavalent	0.66	0.66	8	0.2	0.4	0.3	0.3	0.4
<b>Metals</b>								
Boron (B), Hot Water Ext.	1.5	1.5	2	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Antimony (Sb)	1.3	1.3	40	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Arsenic (As)	18	18	18	1.0	1.6	1.7	1.1	ND (1.0)
Barium (Ba)	220	220	670	1.0	47.2	42.1	40.0	33.2
Beryllium (Be)	2.5	2.5	8	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Boron (B)	36	36	120	5.0	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Cadmium (Cd)	1.2	1.2	1.9	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chromium (Cr)	70	70	160	5.0	32.6	30.1	32.2	21.7
Cobalt (Co)	22	40	80	1.0	5.6	5.5	5.0	4.4
Copper (Cu)	92	92	230	5.0	8.3	9.6	10.3	ND (5.0)
Lead (Pb)	120	120	120	1.0	3.0	3.0	2.8	2.2
Mercury (Hg)	0.27	0.27	0.27	0.1	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum (Mo)	2	2	40	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Nickel (Ni)	82	82	270	5.0	17.3	16.8	16.7	10.6
Selenium (Se)	1.5	1.5	5.5	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Silver (Ag)	0.5	0.5	40	0.3	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)
Thallium (Tl)	1	1	3.3	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Uranium (U)	2.5	2.5	33	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vanadium (V)	86	86	86	10.0	23.5	23.8	24.2	16.9
Zinc (Zn)	290	290	340	20.0	21.3	ND (20.0)	ND (20.0)	ND (20.0)

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIIC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

**TABLE 1**  
**METALS AND INORGANICS ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-05	TP25-06	TP25-07	TP25-08
					TP25-05-S2	TP25-06-S1	TP25-07-S1	TP25-08-S1
					22-Nov-2025 14:30	22-Nov-2025 10:00	22-Nov-2025 10:30	22-Nov-2025 11:00
					1	<0.3	<0.3	<0.3
<b>Calculated Parameters</b>								
SAR	5	5	12	0.01	0.18	0.18	0.11	0.12
<b>Inorganics</b>								
Conductivity	0.7	0.7	1.4	5	<b>99</b>	<b>189</b>	<b>189</b>	<b>208</b>
pH	5 to 9 and 5 to 11	5 to 9 and 5 to 11	5 to 9 and 5 to 11	0.05	7.64	6.64	6.46	6.08
Cyanide, free	0.051	0.051	0.051	0.03	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)
Chromium, Hexavalent	0.66	0.66	8	0.2	0.2	ND (0.2)	ND (0.2)	ND (0.2)
<b>Metals</b>								
Boron (B), Hot Water Ext.	1.5	1.5	2	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Antimony (Sb)	1.3	1.3	40	1.0	ND (1.0)	<b>15.7</b>	<b>5.7</b>	<b>3.1</b>
Arsenic (As)	18	18	18	1.0	1.3	<b>181</b>	<b>78.4</b>	<b>70.7</b>
Barium (Ba)	220	220	670	1.0	32.2	114	54.1	50.7
Beryllium (Be)	2.5	2.5	8	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Boron (B)	36	36	120	5.0	ND (5.0)	8.4	ND (5.0)	ND (5.0)
Cadmium (Cd)	1.2	1.2	1.9	0.5	ND (0.5)	<b>13.1</b>	<b>5.9</b>	<b>10.1</b>
Chromium (Cr)	70	70	160	5.0	31.0	<b>88.6</b>	40.5	24.5
Cobalt (Co)	22	40	80	1.0	4.8	<b>32.0</b>	15.5	<b>44.6</b>
Copper (Cu)	92	92	230	5.0	8.9	<b>7830</b>	<b>1390</b>	<b>2130</b>
Lead (Pb)	120	120	120	1.0	2.8	<b>484</b>	<b>241</b>	<b>163</b>
Mercury (Hg)	0.27	0.27	0.27	0.1	ND (0.1)	<b>0.7</b>	<b>0.3</b>	0.2
Molybdenum (Mo)	2	2	40	1.0	ND (1.0)	<b>38.3</b>	<b>4.6</b>	<b>3.4</b>
Nickel (Ni)	82	82	270	5.0	16.9	75.9	42.5	48.2
Selenium (Se)	1.5	1.5	5.5	1.0	ND (1.0)	<b>9.1</b>	<b>5.5</b>	<b>3.6</b>
Silver (Ag)	0.5	0.5	40	0.3	ND (0.3)	<b>35.0</b>	<b>20.3</b>	<b>10.9</b>
Thallium (Tl)	1	1	3.3	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Uranium (U)	2.5	2.5	33	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vanadium (V)	86	86	86	10.0	23.8	26.3	26.3	20.4
Zinc (Zn)	290	290	340	20.0	ND (20.0)	<b>2010</b>	<b>748</b>	<b>678</b>

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIIC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

**TABLE 1**  
**METALS AND INORGANICS ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-09	TP25-10	TP25-11	
					TP25-09-S1	TP25-10-S1	TP25-11-S1	TP25-11-S2
					22-Nov-2025 11:15	22-Nov-2025 11:45	22-Nov-2025 12:15	22-Nov-2025 12:15
					<0.3	<0.3	<0.3	<0.3
<b>Calculated Parameters</b>								
SAR	5	5	12	0.01	0.16	0.12	0.11	0.11
<b>Inorganics</b>								
Conductivity	0.7	0.7	1.4	5	<b>62</b>	<b>99</b>	<b>193</b>	<b>203</b>
pH	5 to 9 and 5 to 11	5 to 9 and 5 to 11	5 to 9 and 5 to 11	0.05	5.88	6.99	6.55	6.65
Cyanide, free	0.051	0.051	0.051	0.03	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)
Chromium, Hexavalent	0.66	0.66	8	0.2	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
<b>Metals</b>								
Boron (B), Hot Water Ext.	1.5	1.5	2	0.5	ND (0.5)	ND (0.5)	ND (0.5)	0.6
Antimony (Sb)	1.3	1.3	40	1.0	ND (1.0)	ND (1.0)	<b>19.4</b>	<b>15.9</b>
Arsenic (As)	18	18	18	1.0	2.6	2.6	<b>373</b>	<b>331</b>
Barium (Ba)	220	220	670	1.0	14.3	22.3	82.6	77.6
Beryllium (Be)	2.5	2.5	8	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Boron (B)	36	36	120	5.0	ND (5.0)	ND (5.0)	5.5	10.6
Cadmium (Cd)	1.2	1.2	1.9	0.5	1.1	ND (0.5)	<b>9.0</b>	<b>8.5</b>
Chromium (Cr)	70	70	160	5.0	11.8	16.5	40.3	42.5
Cobalt (Co)	22	40	80	1.0	8.4	3.1	<b>48.0</b>	<b>36.2</b>
Copper (Cu)	92	92	230	5.0	<b>176</b>	31.2	<b>3970</b>	<b>4410</b>
Lead (Pb)	120	120	120	1.0	4.1	4.0	<b>1490</b>	<b>971</b>
Mercury (Hg)	0.27	0.27	0.27	0.1	ND (0.1)	ND (0.1)	<b>1.1</b>	<b>1.0</b>
Molybdenum (Mo)	2	2	40	1.0	ND (1.0)	ND (1.0)	<b>8.3</b>	<b>8.0</b>
Nickel (Ni)	82	82	270	5.0	8.4	8.6	56.5	51.2
Selenium (Se)	1.5	1.5	5.5	1.0	ND (1.0)	ND (1.0)	<b>11.6</b>	<b>10.8</b>
Silver (Ag)	0.5	0.5	40	0.3	0.4	0.3	<b>21.0</b>	<b>27.1</b>
Thallium (Tl)	1	1	3.3	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Uranium (U)	2.5	2.5	33	1.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Vanadium (V)	86	86	86	10.0	10.3	14.4	21.8	22.6
Zinc (Zn)	290	290	340	20.0	97.4	<b>309</b>	<b>1550</b>	<b>1500</b>

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
  - Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
  - Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
 Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
 Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.  
 - " " Standard not available or parameter not analyzed.  
 - "NC" RPD not calculable / not valid.

**TABLE 1**  
**METALS AND INORGANICS ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	RPD (%)	TP25-12	TP25-13
						TP25-12-S1	TP25-13-S1
						22-Nov-2025 13:30	23-Nov-2025 11:45
						<0.3	<0.3
<b>Calculated Parameters</b>							
SAR	5	5	12	0.01	0	0.07	0.14
<b>Inorganics</b>							
Conductivity	0.7	0.7	1.4	5	5.05	<b>388</b>	<b>133</b>
pH	5 to 9 and 5 to 11	5 to 9 and 5 to 11	5 to 9 and 5 to 11	0.05	0.10	7.25	7.59
Cyanide, free	0.051	0.051	0.051	0.03	NC	ND (0.03)	ND (0.03)
Chromium, Hexavalent	0.66	0.66	8	0.2	NC	ND (0.2)	ND (0.2)
<b>Metals</b>							
Boron (B), Hot Water Ext.	1.5	1.5	2	0.5	NC	ND (0.5)	ND (0.5)
Antimony (Sb)	1.3	1.3	40	1.0	19.83	<b>8.5</b>	ND (1.0)
Arsenic (As)	18	18	18	1.0	11.93	<b>244</b>	1.6
Barium (Ba)	220	220	670	1.0	6.24	117	44.3
Beryllium (Be)	2.5	2.5	8	0.5	NC	ND (0.5)	ND (0.5)
Boron (B)	36	36	120	5.0	NC	7.6	5.9
Cadmium (Cd)	1.2	1.2	1.9	0.5	5.71	<b>1.6</b>	ND (0.5)
Chromium (Cr)	70	70	160	5.0	5.31	15.4	39.4
Cobalt (Co)	22	40	80	1.0	28.03	6.3	6.2
Copper (Cu)	92	92	230	5.0	10.50	<b>798</b>	15.0
Lead (Pb)	120	120	120	1.0	42.18	<b>467</b>	5.1
Mercury (Hg)	0.27	0.27	0.27	0.1	9.52	<b>1.4</b>	ND (0.1)
Molybdenum (Mo)	2	2	40	1.0	3.68	<b>13.9</b>	ND (1.0)
Nickel (Ni)	82	82	270	5.0	9.84	15.2	20.3
Selenium (Se)	1.5	1.5	5.5	1.0	7.14	<b>50.9</b>	ND (1.0)
Silver (Ag)	0.5	0.5	40	0.3	25.36	<b>46.2</b>	ND (0.3)
Thallium (Tl)	1	1	3.3	1.0	NC	<b>1.4</b>	ND (1.0)
Uranium (U)	2.5	2.5	33	1.0	NC	ND (1.0)	ND (1.0)
Vanadium (V)	86	86	86	10.0	NC	28.4	28.0
Zinc (Zn)	290	290	340	20.0	3.28	<b>454</b>	28.0

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
  - Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
  - Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
 Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
 Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.  
 - "-" Standard not available or parameter not analyzed.  
 - "NC" RPD not calculable / not valid.

TABLE 2

PETROLEUM HYDROCARBON (PHC) FRACTIONS F1 to F4 ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location		TP25-01		RPD (%)
					Sample ID	TP25-01-S2	TP25-01-S3		
					Date and Time	23-Nov-2025 10:15	23-Nov-2025 10:15		
					Laboratory ID				
					Sample Depth (mbgs)	1.00	1.00		
Laboratory Units									
F1 (C6-C10)	25	25	25	7	ug/g	ND (7)	ND (7)	NC	
F2 (C10-C16)	10	10	26	4	ug/g	ND (4)	ND (4)	NC	
F3 (C16-C34)	240	240	240	8	ug/g	ND (8)	ND (8)	NC	
F4 (C34-C50)	120	120	3300	6	ug/g	ND (6)	ND (6)	NC	

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "\*" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

**TABLE 2**

**PETROLEUM HYDROCARBON (PHC) FRACTIONS F1 to F4 ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location	TP25-01	TP25-02
					Sample ID	TP25-01-S4	TP25-02-S1
					Date and Time	23-Nov-2025 10:15	23-Nov-2025 9:45
					Laboratory ID		
					Sample Depth (mbgs)	2.00	0.50
					Laboratory Units		
F1 (C6-C10)	25	25	25	7	ug/g	ND (7)	ND (7)
F2 (C10-C16)	10	10	26	4	ug/g	ND (4)	ND (4)
F3 (C16-C34)	240	240	240	8	ug/g	ND (8)	ND (8)
F4 (C34-C50)	120	120	3300	6	ug/g	ND (6)	ND (6)

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.



Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
 Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
 Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.

- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

TABLE 2

PETROLEUM HYDROCARBON (PHC) FRACTIONS F1 to F4 ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location	TP25-02	TP25-03	TP25-03
					Sample ID	TP25-02-S3	TP25-03-S2	TP25-03-S3
					Date and Time	23-Nov-2025 9:45	23-Nov-2025 8:30	23-Nov-2025 8:30
					Laboratory ID			
					Sample Depth (mbgs)	2.00	1.00	2.00
					Laboratory Units			
F1 (C6-C10)	25	25	25	7	ug/g	ND (7)	ND (7)	ND (7)
F2 (C10-C16)	10	10	26	4	ug/g	ND (4)	ND (4)	ND (4)
F3 (C16-C34)	240	240	240	8	ug/g	ND (8)	ND (8)	ND (8)
F4 (C34-C50)	120	120	3300	6	ug/g	ND (6)	ND (6)	ND (6)

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
  - Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
  - Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
 Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
 Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
  - "NC" RPD not calculable / not valid.

TABLE 2

PETROLEUM HYDROCARBON (PHC) FRACTIONS F1 to F4 ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location	TP25-04	TP25-04	TP25-05
					Sample ID	TP25-04-S2	TP25-04-S3	TP25-05-S1
					Date and Time	22-Nov-2025 15:00	22-Nov-2025 15:00	22-Nov-2025 14:30
					Laboratory ID			
					Sample Depth (mbgs)	1.00	2.00	0.50
Laboratory Units								
F1 (C6-C10)	25	25	25	7	ug/g	ND (7)	ND (7)	ND (7)
F2 (C10-C16)	10	10	26	4	ug/g	ND (4)	ND (4)	ND (4)
F3 (C16-C34)	240	240	240	8	ug/g	ND (8)	ND (8)	ND (8)
F4 (C34-C50)	120	120	3300	6	ug/g	ND (6)	ND (6)	ND (6)

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "\*" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

TABLE 2

PETROLEUM HYDROCARBON (PHC) FRACTIONS F1 to F4 ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location	TP25-05	TP25-06	TP25-07
					Sample ID	TP25-05-S2	TP25-06-S1	TP25-07-S1
					Date and Time	22-Nov-2025 14:30	22-Nov-2025 10:00	22-Nov-2025 10:30
					Laboratory ID			
					Sample Depth (mbgs)	1.00	<0.3	<0.3
					Laboratory Units			
F1 (C6-C10)	25	25	25	7	ug/g	ND (7)	ND (7)	ND (7)
F2 (C10-C16)	10	10	26	4	ug/g	ND (4)	9	ND (4)
F3 (C16-C34)	240	240	240	8	ug/g	ND (8)	<b>539</b>	<b>301</b>
F4 (C34-C50)	120	120	3300	6	ug/g	ND (6)	<b>209</b>	91

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

TABLE 2

PETROLEUM HYDROCARBON (PHC) FRACTIONS F1 to F4 ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location	TP25-08	TP25-09	TP25-10
					Sample ID	TP25-08-S1	TP25-09-S1	TP25-10-S1
					Date and Time	22-Nov-2025 11:00	22-Nov-2025 11:15	22-Nov-2025 11:45
					Laboratory ID			
					Sample Depth (mbgs)	<0.3	<0.3	<0.3
					Laboratory Units			
F1 (C6-C10)	25	25	25	7	ug/g	ND (7)	ND (7)	ND (7)
F2 (C10-C16)	10	10	26	4	ug/g	ND (4)	ND (4)	ND (4)
F3 (C16-C34)	240	240	240	8	ug/g	161	ND (8)	ND (8)
F4 (C34-C50)	120	120	3300	6	ug/g	71	ND (6)	ND (6)

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "\*" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

TABLE 2

PETROLEUM HYDROCARBON (PHC) FRACTIONS F1 to F4 ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location		TP25-11		RPD (%)
					Sample ID	TP25-11-S1	TP25-11-S2		
					Date and Time	22-Nov-2025 12:15	22-Nov-2025 12:15		
					Laboratory ID				
					Sample Depth (mbgs)	<0.3	<0.3		
					Laboratory Units				
F1 (C6-C10)	25	25	25	7	ug/g	ND (7)	ND (7)	NC	
F2 (C10-C16)	10	10	26	4	ug/g	<b>11</b>	ND (4)	NC	
F3 (C16-C34)	240	240	240	8	ug/g	<b>506</b>	<b>555</b>	9.24	
F4 (C34-C50)	120	120	3300	6	ug/g	<b>218</b>	<b>252</b>	14.47	

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

TABLE 2

PETROLEUM HYDROCARBON (PHC) FRACTIONS F1 to F4 ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location	TP25-12	TP25-13
					Sample ID	TP25-12-S1	TP25-13-S1
					Date and Time	22-Nov-2025 13:30	23-Nov-2025 11:45
					Laboratory ID		
					Sample Depth (mbgs)	<0.3	<0.3
					Laboratory Units		
F1 (C6-C10)	25	25	25	7	ug/g	25	ND (7)
F2 (C10-C16)	10	10	26	4	ug/g	<b>49</b>	ND (4)
F3 (C16-C34)	240	240	240	8	ug/g	138	ND (8)
F4 (C34-C50)	120	120	3300	6	ug/g	35	ND (6)

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
  - Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
  - Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
 Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
 Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.  
 - "-" Standard not available or parameter not analyzed.  
 - "NC" RPD not calculable / not valid.

**TABLE 3**  
**VOLATILE ORGANIC COMPOUNDS (VOCs) ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location		TP25-01		RPD %	TP25-01
					Sample ID	TP25-01-S2	TP25-01-S3	TP25-01-S4		
					Date and Time	23-Nov-2025 10:15	23-Nov-2025 10:15	23-Nov-2025 10:15		
					Laboratory ID					
					Sample Depth (mbgs)	1	1	2		
					Laboratory Units					
<b>Volatile Organics</b>										
Acetone	0.5	0.5	0.5	0.50	ug/g	ND (0.50)	ND (0.50)	NC	ND (0.50)	
Benzene	0.02	0.02	0.02	0.02	ug/g	ND (0.02)	ND (0.02)	NC	ND (0.02)	
Bromodichloromethane	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Bromoform	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Bromomethane	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Carbon tetrachloride	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Chlorobenzene	0.05	0.05	0.083	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Chloroform	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Dibromochloromethane	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
1,2-Dichlorobenzene	0.05	0.05	6.8	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
1,3-Dichlorobenzene	0.05	0.05	0.26	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
1,4-Dichlorobenzene	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Dichlorodifluoromethane	0.05	0.05	1.5	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
1,1-Dichloroethane	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
1,2-Dichloroethane	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
1,1-Dichloroethylene	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
cis-1,2-Dichloroethylene	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
trans-1,2-Dichloroethylene	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
1,2-Dichloropropane	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
cis-1,3-Dichloropropene	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
trans-1,3-Dichloropropene	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Ethylbenzene	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
1,2-Dibromoethane	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Hexane	0.05	0.05	2.5	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Methylene Chloride	0.05	0.05	0.5	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Methyl Ethyl Ketone	0.5	0.5	0.5	0.50	ug/g	ND (0.50)	ND (0.50)	NC	ND (0.50)	
Methyl Isobutyl Ketone	0.5	0.5	0.5	0.50	ug/g	ND (0.50)	ND (0.50)	NC	ND (0.50)	
MTBE	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Styrene	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
1,1,1,2-Tetrachloroethane	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
1,1,2,2-Tetrachloroethane	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Tetrachloroethylene	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Toluene	0.2	0.2	0.2	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
1,1,1-Trichloroethane	0.05	0.05	0.12	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
1,1,2-Trichloroethane	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Trichloroethylene	0.05	0.05	0.05	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Trichlorofluoromethane	0.25	0.25	0.25	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	
Vinyl chloride	0.02	0.02	0.02	0.02	ug/g	ND (0.02)	ND (0.02)	NC	ND (0.02)	
Xylenes (Total)	0.05	0.05	0.091	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)	

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

**TABLE 3**  
**VOLATILE ORGANIC COMPOUNDS (VOCs) ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-02	TP25-02	TP25-03	TP25-03	TP25-04
					TP25-02-S1	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2
					23-Nov-2025 9:45	23-Nov-2025 9:45	23-Nov-2025 8:30	23-Nov-2025 8:30	22-Nov-2025 15:00
					0.5	2	1	2	1
<b>Volatile Organics</b>									
Acetone	0.5	0.5	0.5	0.50	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Benzene	0.02	0.02	0.02	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Bromodichloromethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Bromoform	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Bromomethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Carbon tetrachloride	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Chlorobenzene	0.05	0.05	0.083	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Chloroform	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Dibromochloromethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichlorobenzene	0.05	0.05	6.8	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,3-Dichlorobenzene	0.05	0.05	0.26	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,4-Dichlorobenzene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Dichlorodifluoromethane	0.05	0.05	1.5	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1-Dichloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1-Dichloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
cis-1,2-Dichloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
trans-1,2-Dichloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichloropropane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
cis-1,3-Dichloropropene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
trans-1,3-Dichloropropene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Ethylbenzene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dibromoethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Hexane	0.05	0.05	2.5	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Methylene Chloride	0.05	0.05	0.5	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Methyl Ethyl Ketone	0.5	0.5	0.5	0.50	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Isobutyl Ketone	0.5	0.5	0.5	0.50	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
MTBE	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Styrene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,1,2-Tetrachloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,2,2-Tetrachloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Tetrachloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Toluene	0.2	0.2	0.2	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,1-Trichloroethane	0.05	0.05	0.12	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,2-Trichloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Trichloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Trichlorofluoromethane	0.25	0.25	0.25	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Vinyl chloride	0.02	0.02	0.02	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Xylenes (Total)	0.05	0.05	0.091	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
 Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
 Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.  
 - ".\*" Standard not available or parameter not analyzed.  
 - "NC" RPD not calculable / not valid.

**TABLE 3**  
**VOLATILE ORGANIC COMPOUNDS (VOCs) ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-04	TP25-05	TP25-05	TP25-06	TP25-07
					TP25-04-S3	TP25-05-S1	TP25-05-S2	TP25-06-S1	TP25-07-S1
					22-Nov-2025 15:00	22-Nov-2025 14:30	22-Nov-2025 14:30	22-Nov-2025 10:00	22-Nov-2025 10:30
					2	0.5	1	<0.3	<0.3
<b>Volatile Organics</b>									
Acetone	0.5	0.5	0.5	0.50	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Benzene	0.02	0.02	0.02	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Bromodichloromethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Bromoform	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Bromomethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Carbon tetrachloride	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Chlorobenzene	0.05	0.05	0.083	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Chloroform	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Dibromochloromethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichlorobenzene	0.05	0.05	6.8	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,3-Dichlorobenzene	0.05	0.05	0.26	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,4-Dichlorobenzene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Dichlorodifluoromethane	0.05	0.05	1.5	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1-Dichloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1-Dichloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
cis-1,2-Dichloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
trans-1,2-Dichloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichloropropane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
cis-1,3-Dichloropropene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
trans-1,3-Dichloropropene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Ethylbenzene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dibromoethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Hexane	0.05	0.05	2.5	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Methylene Chloride	0.05	0.05	0.5	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Methyl Ethyl Ketone	0.5	0.5	0.5	0.50	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Isobutyl Ketone	0.5	0.5	0.5	0.50	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
MTBE	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Styrene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,1,2-Tetrachloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,2,2-Tetrachloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Tetrachloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Toluene	0.2	0.2	0.2	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,1-Trichloroethane	0.05	0.05	0.12	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,2-Trichloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Trichloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Trichlorofluoromethane	0.25	0.25	0.25	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Vinyl chloride	0.02	0.02	0.02	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Xylenes (Total)	0.05	0.05	0.091	0.05	ND (0.05)	ND (0.05)	ND (0.05)	<b>0.14</b>	ND (0.05)

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- ".\*" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

**TABLE 3**  
**VOLATILE ORGANIC COMPOUNDS (VOCs) ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-08	TP25-09	TP25-10	TP25-11	
					TP25-08-S1	TP25-09-S1	TP25-10-S1	TP25-11-S1	TP25-11-S2
					22-Nov-2025 11:00	22-Nov-2025 11:15	22-Nov-2025 11:45	22-Nov-2025 12:15	22-Nov-2025 12:15
					<0.3	<0.3	<0.3	<0.3	<0.3
<b>Volatile Organics</b>									
Acetone	0.5	0.5	0.5	0.50	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Benzene	0.02	0.02	0.02	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Bromodichloromethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Bromoform	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Bromomethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Carbon tetrachloride	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Chlorobenzene	0.05	0.05	0.083	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Chloroform	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Dibromochloromethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichlorobenzene	0.05	0.05	6.8	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,3-Dichlorobenzene	0.05	0.05	0.26	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,4-Dichlorobenzene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Dichlorodifluoromethane	0.05	0.05	1.5	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1-Dichloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1-Dichloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
cis-1,2-Dichloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
trans-1,2-Dichloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dichloropropane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
cis-1,3-Dichloropropene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
trans-1,3-Dichloropropene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Ethylbenzene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,2-Dibromoethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Hexane	0.05	0.05	2.5	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Methylene Chloride	0.05	0.05	0.5	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Methyl Ethyl Ketone	0.5	0.5	0.5	0.50	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Methyl Isobutyl Ketone	0.5	0.5	0.5	0.50	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
MTBE	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Styrene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,1,2-Tetrachloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,2,2-Tetrachloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Tetrachloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Toluene	0.2	0.2	0.2	0.05	ND (0.05)	ND (0.05)	ND (0.05)	0.13	0.20
1,1,1-Trichloroethane	0.05	0.05	0.12	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
1,1,2-Trichloroethane	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Trichloroethylene	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Trichlorofluoromethane	0.25	0.25	0.25	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Vinyl chloride	0.02	0.02	0.02	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Xylenes (Total)	0.05	0.05	0.091	0.05	ND (0.05)	ND (0.05)	ND (0.05)	<b>0.28</b>	<b>0.45</b>

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- ".\*" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

TABLE 3

VOLATILE ORGANIC COMPOUNDS (VOCs) ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	RPD (%)	TP25-12	TP25-13
						TP25-12-S1	TP25-13-S1
						22-Nov-2025 13:30	23-Nov-2025 11:45
						<0.3	<0.3
<b>Volatile Organics</b>							
Acetone	0.5	0.5	0.5	0.50	NC	ND (0.50)	ND (0.50)
Benzene	0.02	0.02	0.02	0.02	NC	<b>0.33</b>	ND (0.02)
Bromodichloromethane	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Bromoform	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Bromomethane	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Carbon tetrachloride	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Chlorobenzene	0.05	0.05	0.083	0.05	NC	ND (0.05)	ND (0.05)
Chloroform	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Dibromochloromethane	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
1,2-Dichlorobenzene	0.05	0.05	6.8	0.05	NC	ND (0.05)	ND (0.05)
1,3-Dichlorobenzene	0.05	0.05	0.26	0.05	NC	ND (0.05)	ND (0.05)
1,4-Dichlorobenzene	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Dichlorodifluoromethane	0.05	0.05	1.5	0.05	NC	ND (0.05)	ND (0.05)
1,1-Dichloroethane	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
1,2-Dichloroethane	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
1,1-Dichloroethylene	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
cis-1,2-Dichloroethylene	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
trans-1,2-Dichloroethylene	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
1,2-Dichloropropane	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
cis-1,3-Dichloropropene	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
trans-1,3-Dichloropropene	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Ethylbenzene	0.05	0.05	0.05	0.05	NC	<b>0.76</b>	ND (0.05)
1,2-Dibromoethane	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Hexane	0.05	0.05	2.5	0.05	NC	ND (0.05)	ND (0.05)
Methylene Chloride	0.05	0.05	0.5	0.05	NC	ND (0.05)	ND (0.05)
Methyl Ethyl Ketone	0.5	0.5	0.5	0.50	NC	ND (0.50)	ND (0.50)
Methyl Isobutyl Ketone	0.5	0.5	0.5	0.50	NC	ND (0.50)	ND (0.50)
MTBE	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Styrene	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
1,1,1,2-Tetrachloroethane	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
1,1,2,2-Tetrachloroethane	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Tetrachloroethylene	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Toluene	0.2	0.2	0.2	0.05	NC	<b>2.50</b>	ND (0.05)
1,1,1-Trichloroethane	0.05	0.05	0.12	0.05	NC	ND (0.05)	ND (0.05)
1,1,2-Trichloroethane	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Trichloroethylene	0.05	0.05	0.05	0.05	NC	ND (0.05)	ND (0.05)
Trichlorofluoromethane	0.25	0.25	0.25	0.05	NC	ND (0.05)	ND (0.05)
Vinyl chloride	0.02	0.02	0.02	0.02	NC	ND (0.02)	ND (0.02)
Xylenes (Total)	0.05	0.05	0.091	0.05	46.58	<b>5.83</b>	ND (0.05)

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- \* Standard not available or parameter not analyzed.
- \*NC\* RPD not calculable / not valid.

TABLE 4

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location		RPD (%)	
					Sample ID	TP25-01-S2		TP25-01-S3
					Date and Time	23-Nov-2025 10:15		23-Nov-2025 10:15
					Laboratory ID			
					Sample Depth (mbgs)	1		1
Laboratory Units								
<b>Calculated Parameters</b>								
1+2-Methylnaphthalenes	0.59	0.59	0.59	-	-	-	NC	
<b>Polyaromatic Hydrocarbons</b>								
Acenaphthene	0.072	0.072	2.5	0.02	ug/g	ND (0.02)	NC	
Acenaphthylene	0.093	0.093	0.093	0.02	ug/g	ND (0.02)	NC	
Anthracene	0.22	0.16	0.16	0.02	ug/g	ND (0.02)	NC	
Benzo(a)anthracene	0.36	0.36	0.92	0.02	ug/g	ND (0.02)	NC	
Benzo(a)pyrene	0.3	0.31	0.31	0.02	ug/g	ND (0.02)	NC	
Benzo(b)fluoranthene	0.47	0.47	3.2	0.02	ug/g	ND (0.02)	NC	
Benzo(g,h,i)perylene	0.68	0.68	13	0.02	ug/g	ND (0.02)	NC	
Benzo(k)fluoranthene	0.48	0.48	3.1	0.02	ug/g	ND (0.02)	NC	
Chrysene	2.8	2.8	9.4	0.02	ug/g	ND (0.02)	NC	
Dibenzo(ah)anthracene	0.1	0.1	0.7	0.02	ug/g	ND (0.02)	NC	
Fluoranthene	0.69	0.69	2.8	0.02	ug/g	ND (0.02)	NC	
Fluorene	0.19	0.19	6.8	0.02	ug/g	ND (0.02)	NC	
Indeno(1,2,3-cd)pyrene	0.23	0.23	0.76	0.02	ug/g	ND (0.02)	NC	
1-Methylnaphthalene	0.59	-	-	0.02	ug/g	ND (0.02)	NC	
2-Methylnaphthalene	0.59	-	-	0.02	ug/g	ND (0.02)	NC	
Naphthalene	0.09	0.09	0.2	0.01	ug/g	ND (0.01)	NC	
Phenanthrene	0.69	0.69	12	0.02	ug/g	ND (0.02)	NC	
Pyrene	1	1	28	0.02	ug/g	ND (0.02)	NC	

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

TABLE 4

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-01	TP25-02	TP25-02	TP25-03
					TP25-01-S4	TP25-02-S1	TP25-02-S3	TP25-03-S2
					23-Nov-2025 10:15	23-Nov-2025 9:45	23-Nov-2025 9:45	23-Nov-2025 8:30
					2	0.5	2	1
<b>Calculated Parameters</b>								
1+2-Methylnaphthalenes	0.59	0.59	0.59	-	-	-	-	-
<b>Polyaromatic Hydrocarbons</b>								
Acenaphthene	0.072	0.072	2.5	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acenaphthylene	0.093	0.093	0.093	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Anthracene	0.22	0.16	0.16	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo(a)anthracene	0.36	0.36	0.92	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo(a)pyrene	0.3	0.31	0.31	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo(b)fluoranthene	0.47	0.47	3.2	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo(g,h,i)perylene	0.68	0.68	13	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo(k)fluoranthene	0.48	0.48	3.1	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Chrysene	2.8	2.8	9.4	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Dibenzo(ah)anthracene	0.1	0.1	0.7	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Fluoranthene	0.69	0.69	2.8	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Fluorene	0.19	0.19	6.8	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Indeno(1,2,3-cd)pyrene	0.23	0.23	0.76	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
1-Methylnaphthalene	0.59	-	-	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
2-Methylnaphthalene	0.59	-	-	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Naphthalene	0.09	0.09	0.2	0.01	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Phenanthrene	0.69	0.69	12	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Pyrene	1	1	28	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

TABLE 4

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-03	TP25-04	TP25-04	TP25-05
					TP25-03-S3	TP25-04-S2	TP25-04-S3	TP25-05-S1
					23-Nov-2025 8:30	22-Nov-2025 15:00	22-Nov-2025 15:00	22-Nov-2025 14:30
					2	1	2	0.5
<b>Calculated Parameters</b>								
1+2-Methylnaphthalenes	0.59	0.59	0.59	-	-	-	-	-
<b>Polyaromatic Hydrocarbons</b>								
Acenaphthene	0.072	0.072	2.5	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acenaphthylene	0.093	0.093	0.093	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Anthracene	0.22	0.16	0.16	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo(a)anthracene	0.36	0.36	0.92	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo(a)pyrene	0.3	0.31	0.31	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo(b)fluoranthene	0.47	0.47	3.2	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo(g,h,i)perylene	0.68	0.68	13	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo(k)fluoranthene	0.48	0.48	3.1	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Chrysene	2.8	2.8	9.4	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Dibenzo(ah)anthracene	0.1	0.1	0.7	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Fluoranthene	0.69	0.69	2.8	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Fluorene	0.19	0.19	6.8	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Indeno(1,2,3-cd)pyrene	0.23	0.23	0.76	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
1-Methylnaphthalene	0.59	-	-	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
2-Methylnaphthalene	0.59	-	-	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Naphthalene	0.09	0.09	0.2	0.01	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
Phenanthrene	0.69	0.69	12	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Pyrene	1	1	28	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
  - Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
  - Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
■ Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
■ Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.  
 - \*- Standard not available or parameter not analyzed.  
 - \*NC\* RPD not calculable / not valid.

TABLE 4

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-05	TP25-06	TP25-07	TP25-08
					TP25-05-S2	TP25-06-S1	TP25-07-S1	TP25-08-S1
					22-Nov-2025 14:30	22-Nov-2025 10:00	22-Nov-2025 10:30	22-Nov-2025 11:00
					1	<0.3	<0.3	<0.3
<b>Calculated Parameters</b>								
1+2-Methylnaphthalenes	0.59	0.59	0.59	-	-	-	-	-
<b>Polyaromatic Hydrocarbons</b>								
Acenaphthene	0.072	0.072	2.5	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acenaphthylene	0.093	0.093	0.093	0.02	ND (0.02)	0.03	ND (0.02)	ND (0.02)
Anthracene	0.22	0.16	0.16	0.02	ND (0.02)	0.07	0.03	ND (0.02)
Benzo(a)anthracene	0.36	0.36	0.92	0.02	ND (0.02)	0.06	0.05	ND (0.02)
Benzo(a)pyrene	0.3	0.31	0.31	0.02	ND (0.02)	0.08	0.03	ND (0.02)
Benzo(b)fluoranthene	0.47	0.47	3.2	0.02	ND (0.02)	0.24	0.11	0.07
Benzo(g,h,i)perylene	0.68	0.68	13	0.02	ND (0.02)	0.13	0.04	ND (0.02)
Benzo(k)fluoranthene	0.48	0.48	3.1	0.02	ND (0.02)	0.09	0.04	ND (0.02)
Chrysene	2.8	2.8	9.4	0.02	ND (0.02)	0.09	0.31	0.05
Dibenzo(ah)anthracene	0.1	0.1	0.7	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Fluoranthene	0.69	0.69	2.8	0.02	ND (0.02)	0.15	0.11	0.05
Fluorene	0.19	0.19	6.8	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Indeno(1,2,3-cd)pyrene	0.23	0.23	0.76	0.02	ND (0.02)	0.12	0.04	ND (0.02)
1-Methylnaphthalene	0.59	-	-	0.02	ND (0.02)	0.10	0.15	0.12
2-Methylnaphthalene	0.59	-	-	0.02	ND (0.02)	0.14	0.19	0.14
Naphthalene	0.09	0.09	0.2	0.01	ND (0.01)	0.09	<b>0.12</b>	<b>0.12</b>
Phenanthrene	0.69	0.69	12	0.02	ND (0.02)	0.14	0.16	0.09
Pyrene	1	1	28	0.02	ND (0.02)	0.13	0.09	0.05

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
  - Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
  - Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
■ Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
■ Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.  
 - \*-\* Standard not available or parameter not analyzed.  
 - \*NC\* RPD not calculable / not valid.

TABLE 4

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-09	TP25-10	TP25-11	TP25-11
					TP25-09-S1	TP25-10-S1	TP25-11-S1	TP25-11-S2
					22-Nov-2025 11:15	22-Nov-2025 11:45	22-Nov-2025 12:15	22-Nov-2025 12:15
					<0.3	<0.3	<0.3	<0.3
<b>Calculated Parameters</b>								
1+2-Methylnaphthalenes	0.59	0.59	0.59	-	-	-	-	-
<b>Polyaromatic Hydrocarbons</b>								
Acenaphthene	0.072	0.072	2.5	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acenaphthylene	0.093	0.093	0.093	0.02	ND (0.02)	ND (0.02)	0.09	0.05
Anthracene	0.22	0.16	0.16	0.02	ND (0.02)	ND (0.02)	<b>0.25</b>	0.13
Benzo(a)anthracene	0.36	0.36	0.92	0.02	ND (0.02)	ND (0.02)	0.10	0.07
Benzo(a)pyrene	0.3	0.31	0.31	0.02	ND (0.02)	ND (0.02)	<b>0.55</b>	0.06
Benzo(b)fluoranthene	0.47	0.47	3.2	0.02	ND (0.02)	ND (0.02)	<b>0.64</b>	0.19
Benzo(g,h,i)perylene	0.68	0.68	13	0.02	ND (0.02)	ND (0.02)	0.41	0.10
Benzo(k)fluoranthene	0.48	0.48	3.1	0.02	ND (0.02)	ND (0.02)	0.21	0.08
Chrysene	2.8	2.8	9.4	0.02	ND (0.02)	ND (0.02)	0.12	0.10
Dibenzo(ah)anthracene	0.1	0.1	0.7	0.02	ND (0.02)	ND (0.02)	0.08	ND (0.02)
Fluoranthene	0.69	0.69	2.8	0.02	ND (0.02)	ND (0.02)	0.25	0.21
Fluorene	0.19	0.19	6.8	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Indeno(1,2,3-cd)pyrene	0.23	0.23	0.76	0.02	ND (0.02)	ND (0.02)	<b>0.43</b>	0.10
1-Methylnaphthalene	0.59	-	-	0.02	ND (0.02)	ND (0.02)	0.49	0.34
2-Methylnaphthalene	0.59	-	-	0.02	ND (0.02)	ND (0.02)	<b>0.63</b>	0.39
Naphthalene	0.09	0.09	0.2	0.01	ND (0.01)	ND (0.01)	<b>0.53</b>	<b>0.33</b>
Phenanthrene	0.69	0.69	12	0.02	ND (0.02)	ND (0.02)	0.31	0.32
Pyrene	1	1	28	0.02	ND (0.02)	ND (0.02)	0.23	0.16

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
  - Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
  - Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
 Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
 Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.  
 - \*-\* Standard not available or parameter not analyzed.  
 - \*NC\* RPD not calculable / not valid.

TABLE 4

## POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	RPD (%)	TP25-12	TP25-13
						TP25-12-S1	TP25-13-S1
						22-Nov-2025 13:30	23-Nov-2025 11:45
						<0.3	<0.3
<b>Calculated Parameters</b>							
1+2-Methylnaphthalenes	0.59	0.59	0.59	-	NC	-	-
<b>Polyaromatic Hydrocarbons</b>							
Acenaphthene	0.072	0.072	2.5	0.02	NC	ND (0.02)	ND (0.02)
Acenaphthylene	0.093	0.093	0.093	0.02	NC	0.04	ND (0.02)
Anthracene	0.22	0.16	0.16	0.02	63.16	0.10	ND (0.02)
Benzo(a)anthracene	0.36	0.36	0.92	0.02	NC	0.15	ND (0.02)
Benzo(a)pyrene	0.3	0.31	0.31	0.02	NC	0.09	ND (0.02)
Benzo(b)fluoranthene	0.47	0.47	3.2	0.02	<b>108.43</b>	0.12	ND (0.02)
Benzo(g,h,i)perylene	0.68	0.68	13	0.02	<b>121.57</b>	0.06	ND (0.02)
Benzo(k)fluoranthene	0.48	0.48	3.1	0.02	NC	0.04	ND (0.02)
Chrysene	2.8	2.8	9.4	0.02	18.18	0.17	ND (0.02)
Dibenzo(ah)anthracene	0.1	0.1	0.7	0.02	NC	ND (0.02)	ND (0.02)
Fluoranthene	0.69	0.69	2.8	0.02	17.39	0.21	ND (0.02)
Fluorene	0.19	0.19	6.8	0.02	NC	ND (0.02)	ND (0.02)
Indeno(1,2,3-cd)pyrene	0.23	0.23	0.76	0.02	<b>124.53</b>	0.04	ND (0.02)
1-Methylnaphthalene	0.59	-	-	0.02	36.14	<b>2.04</b>	ND (0.02)
2-Methylnaphthalene	0.59	-	-	0.02	47.06	<b>2.55</b>	ND (0.02)
Naphthalene	0.09	0.09	0.2	0.01	46.51	<b>1.95</b>	ND (0.01)
Phenanthrene	0.69	0.69	12	0.02	3.17	<b>1.06</b>	ND (0.02)
Pyrene	1	1	28	0.02	35.90	0.22	ND (0.02)

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS (PCBs) ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location		TP25-01		TP25-01
					Sample ID	TP25-01-S2	TP25-01-S3	RPD (%)	TP25-01-S4
					Date and Time	23-Nov-2025 10:15	23-Nov-2025 10:15		23-Nov-2025 10:15
					Laboratory ID				
					Sample Depth (mbgs)	1	1		2
					Laboratory Units				
Total PCBs	0.3	0.30	0.78	0.05	ug/g	ND (0.05)	ND (0.05)	NC	ND (0.05)

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS (PCBs) ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-02	TP25-02	TP25-03	TP25-03	TP25-04
					TP25-02-S1	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2
					23-Nov-2025 9:45	23-Nov-2025 9:45	23-Nov-2025 8:30	23-Nov-2025 8:30	22-Nov-2025 15:00
					0.5	2	1	2	1
Total PCBs	0.3	0.30	0.78	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
  - Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
  - Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
■ Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
■ Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.  
 - "-" Standard not available or parameter not analyzed.  
 - "NC" RPD not calculable / not valid.

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS (PCBs) ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-04	TP25-05	TP25-05	TP25-06	TP25-07
					TP25-04-S3	TP25-05-S1	TP25-05-S2	TP25-06-S1	TP25-07-S1
					22-Nov-2025 15:00	22-Nov-2025 14:30	22-Nov-2025 14:30	22-Nov-2025 10:00	22-Nov-2025 10:30
					2	0.5	1	<0.3	<0.3
Total PCBs	0.3	0.30	0.78	0.05	ND (0.05)	ND (0.05)	ND (0.05)	0.21	ND (0.05)

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
  - Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
  - Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
■ Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
■ Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.  
 - "-" Standard not available or parameter not analyzed.  
 - "NC" RPD not calculable / not valid.

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS (PCBs) ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-08	TP25-09	TP25-10	TP25-11	
					TP25-08-S1	TP25-09-S1	TP25-10-S1	TP25-11-S1	TP25-11-S2
					22-Nov-2025 11:00	22-Nov-2025 11:15	22-Nov-2025 11:45	22-Nov-2025 12:15	22-Nov-2025 12:15
					<0.3	<0.3	<0.3	<0.3	<0.3
Total PCBs	0.3	0.30	0.78	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- "-" Standard not available or parameter not analyzed.
- "NC" RPD not calculable / not valid.

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS (PCBs) ANALYSIS - SOIL**

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	RPD (%)	TP25-12	TP25-13
						TP25-12-S1	TP25-13-S1
						22-Nov-2025 13:30	23-Nov-2025 11:45
						<0.3	<0.3
Total PCBs	0.3	0.30	0.78	0.05	NC	ND (0.05)	ND (0.05)

**Notes:**

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
  - Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
  - Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
 Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
 Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.  
 - "-" Standard not available or parameter not analyzed.  
 - "NC" RPD not calculable / not valid.

Table 6

ORGANOCHLORINE (OC) PESTICIDES ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location	TP25-01	TP25-01	RPD (%)
					Sample ID	TP25-01-S2	TP25-01-S3	
					Date and Time	23-Nov-2025 10:15	23-Nov-2025 10:15	
					Laboratory ID			
					Sample Depth (mbgs)	1	1	
Laboratory Units								
Aldrin	0.05	0.05	0.088	0.01	ug/g	<0.01	<0.01	NC
gamma-BHC (Lindane)	0.056	0.01	-	0.01	ug/g	<0.01	<0.01	NC
alpha-Chlordane	-	-	-	0.01	ug/g	<0.01	<0.01	NC
gamma-Chlordane	-	-	-	0.01	ug/g	<0.01	<0.01	NC
Chlordane	0.05	0.05	0.05	0.01	ug/g	<0.01	<0.01	NC
op-DDD	-	-	-	0.01	ug/g	<0.01	<0.01	NC
pp-DDD	-	-	-	0.02	ug/g	<0.02	<0.02	NC
DDD	0.05	0.05	0.05	0.02	ug/g	<0.02	<0.02	NC
o,p-DDE	-	-	-	0.01	ug/g	<0.01	<0.01	NC
pp-DDE	-	-	-	0.01	ug/g	<0.01	<0.01	NC
DDE	0.05	0.05	0.05	0.01	ug/g	<0.01	<0.01	NC
op-DDT	-	-	-	0.01	ug/g	<0.01	<0.01	NC
pp-DDT	-	-	-	0.01	ug/g	<0.01	<0.01	NC
DDT	1.4	1.4	1.4	0.01	ug/g	<0.01	<0.01	NC
Dieldrin	0.05	0.05	0.05	0.02	ug/g	<0.02	<0.02	NC
Endrin	0.04	0.04	0.04	0.02	ug/g	<0.02	<0.02	NC
Endosulfan I	0.3	-	-	0.01	ug/g	<0.01	<0.01	NC
Endosulfan II	-	-	-	0.02	ug/g	<0.02	<0.02	NC
Endosulfan I/II	-	-	-	0.02	ug/g	<0.02	<0.02	NC
Heptachlor	0.05	0.05	0.05	0.01	ug/g	<0.01	<0.01	NC
Heptachlor Epoxide	0.05	0.05	0.05	0.01	ug/g	<0.01	<0.01	NC
Hexachlorobenzene	0.02	0.02	0.66	0.01	ug/g	<0.01	<0.01	NC
Hexachlorobutadiene	0.01	0.01	0.01	0.01	ug/g	<0.01	<0.01	NC
Hexachloroethane	0.01	0.01	0.01	0.01	ug/g	<0.01	<0.01	NC
Methoxychlor	0.05	0.05	0.05	0.01	ug/g	<0.01	<0.01	NC

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
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- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
■ Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
■ Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.  
 - \*NC\* RPD not calculable / not valid.

Table 6

ORGANOCHLORINE (OC) PESTICIDES ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-01	TP25-02	TP25-02	TP25-03	TP25-03
					TP25-01-S4	TP25-02-S1	TP25-02-S3	TP25-03-S2	TP25-03-S3
					23-Nov-2025 10:15	23-Nov-2025 9:45	23-Nov-2025 9:45	23-Nov-2025 8:30	23-Nov-2025 8:30
					2	0.5	2	1	2
Aldrin	0.05	0.05	0.088	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-BHC (Lindane)	0.056	0.01	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-Chlordane	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-Chlordane	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlordane	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
op-DDD	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pp-DDD	-	-	-	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
DDD	0.05	0.05	0.05	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
o,p-DDE	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pp-DDE	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DDE	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
op-DDT	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pp-DDT	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DDT	1.4	1.4	1.4	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dieldrin	0.05	0.05	0.05	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endrin	0.04	0.04	0.04	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endosulfan I	0.3	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan II	-	-	-	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endosulfan I/II	-	-	-	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Heptachlor	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor Epoxide	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	0.02	0.02	0.66	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachloroethane	0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methoxychlor	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
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- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- \*NC\* RPD not calculable / not valid.

Table 6

ORGANOCHLORINE (OC) PESTICIDES ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-04	TP25-04	TP25-05	TP25-05	TP25-06
					TP25-04-S2	TP25-04-S3	TP25-05-S1	TP25-05-S2	TP25-06-S1
					22-Nov-2025 15:00	22-Nov-2025 15:00	22-Nov-2025 14:30	22-Nov-2025 14:30	22-Nov-2025 10:00
					1	2	0.5	1	<0.3
Aldrin	0.05	0.05	0.088	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-BHC (Lindane)	0.056	0.01	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-Chlordane	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-Chlordane	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlordane	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
op-DDD	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pp-DDD	-	-	-	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
DDD	0.05	0.05	0.05	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
o,p-DDE	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pp-DDE	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DDE	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
op-DDT	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pp-DDT	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DDT	1.4	1.4	1.4	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dieldrin	0.05	0.05	0.05	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endrin	0.04	0.04	0.04	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endosulfan I	0.3	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan II	-	-	-	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endosulfan I/II	-	-	-	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Heptachlor	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor Epoxide	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	0.02	0.02	0.66	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachloroethane	0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methoxychlor	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.

- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- \*NC\* RPD not calculable / not valid.

Table 6

ORGANOCHLORINE (OC) PESTICIDES ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-07	TP25-08	TP25-09	TP25-10	TP25-11
					TP25-07-S1	TP25-08-S1	TP25-09-S1	TP25-10-S1	TP25-11-S1
					22-Nov-2025 10:30	22-Nov-2025 11:00	22-Nov-2025 11:15	22-Nov-2025 11:45	22-Nov-2025 12:15
					<0.3	<0.3	<0.3	<0.3	<0.3
Aldrin	0.05	0.05	0.088	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-BHC (Lindane)	0.056	0.01	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
alpha-Chlordane	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
gamma-Chlordane	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlordane	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
op-DDD	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pp-DDD	-	-	-	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
DDD	0.05	0.05	0.05	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
o,p-DDE	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pp-DDE	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DDE	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
op-DDT	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pp-DDT	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DDT	1.4	1.4	1.4	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dieldrin	0.05	0.05	0.05	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endrin	0.04	0.04	0.04	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endosulfan I	0.3	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan II	-	-	-	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endosulfan I/II	-	-	-	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Heptachlor	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor Epoxide	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	0.02	0.02	0.66	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachloroethane	0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methoxychlor	0.05	0.05	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
- Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.
- Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.
- Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.
- \*NC\* RPD not calculable / not valid.

Table 6

ORGANOCHLORINE (OC) PESTICIDES ANALYSIS - SOIL

Parameters	MECP Table 8 SCS Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use	MECP Table 8.1 ESQS Industrial / Commercial / Community Property Use	MECP Table 2.1 ESQS Industrial / Commercial / Community Property Use	Laboratory Detection Limit	TP25-11	RPD (%)	TP25-12	TP25-13
					TP25-11-S2		TP25-12-S1	TP25-13-S1
					22-Nov-2025 12:15		22-Nov-2025 13:30	23-Nov-2025 11:45
					<0.3		<0.3	<0.3
Aldrin	0.05	0.05	0.088	0.01	<0.01	NC	<0.01	<0.01
gamma-BHC (Lindane)	0.056	0.01	-	0.01	<0.01	NC	<0.01	<0.01
alpha-Chlordane	-	-	-	0.01	<0.01	NC	<0.01	<0.01
gamma-Chlordane	-	-	-	0.01	<0.01	NC	<0.01	<0.01
Chlordane	0.05	0.05	0.05	0.01	<0.01	NC	<0.01	<0.01
op-DDD	-	-	-	0.01	<0.01	NC	<0.01	<0.01
pp-DDD	-	-	-	0.02	<0.02	NC	<0.02	<0.02
DDD	0.05	0.05	0.05	0.02	<0.02	NC	<0.02	<0.02
o,p-DDE	-	-	-	0.01	<0.01	NC	<0.01	<0.01
pp-DDE	-	-	-	0.01	<0.01	NC	<0.01	<0.01
DDE	0.05	0.05	0.05	0.01	<0.01	NC	<0.01	<0.01
op-DDT	-	-	-	0.01	<0.01	NC	<0.01	<0.01
pp-DDT	-	-	-	0.01	<0.01	NC	<0.01	<0.01
DDT	1.4	1.4	1.4	0.01	<0.01	NC	<0.01	<0.01
Dieldrin	0.05	0.05	0.05	0.02	<0.02	NC	<0.02	<0.02
Endrin	0.04	0.04	0.04	0.02	<0.02	NC	<0.02	<0.02
Endosulfan I	0.3	-	-	0.01	<0.01	NC	<0.01	<0.01
Endosulfan II	-	-	-	0.02	<0.02	NC	<0.02	<0.02
Endosulfan I/II	-	-	-	0.02	<0.02	NC	<0.02	<0.02
Heptachlor	0.05	0.05	0.05	0.01	<0.01	NC	<0.01	<0.01
Heptachlor Epoxide	0.05	0.05	0.05	0.01	<0.01	NC	<0.01	<0.01
Hexachlorobenzene	0.02	0.02	0.66	0.01	<0.01	NC	<0.01	<0.01
Hexachlorobutadiene	0.01	0.01	0.01	0.01	<0.01	NC	<0.01	<0.01
Hexachloroethane	0.01	0.01	0.01	0.01	<0.01	NC	<0.01	<0.01
Methoxychlor	0.05	0.05	0.05	0.01	<0.01	NC	<0.01	<0.01

Notes:

- Standards from Table 8 of the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, O. Reg. 153/04 as amended document for Generic Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use.
  - Standards from Table 8.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards for Use within 30 m of a Water Body in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
  - Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 for Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type and highlighted exceeded the MECP Table 8 RPIICC SCS, as amended.  
 Test results shown in bold type and highlighted exceeded the MECP Table 8.1 ICCI ESQS.  
 Test results shown in bold type and highlighted exceeded the MECP Table 2.1 ICC ESQS.  
 - "NC" RPD not calculable / not valid.

**TABLE 7**  
**O. REG. 406 MODIFIED SYNTHETIC PRECIPITATION LEACHING PROCEDURE ANALYSIS (mSPLP)**

Parameters	MECP Table 8.1 LSL Industrial / Commercial / Community Property Use	MECP Table 2.1 LSL Industrial / Commercial / Community Property Use	Laboratory Detection Limit	Sample Location			
				Sample ID	TP25-03	TP25-05	TP25-09
				Date and Time	TP25-03-S2	TP25-05-S2	TP25-09-S1
				Laboratory ID	23-Nov-2025 8:30	22-Nov-2025 14:30	22-Nov-2025 11:15
				Sample Depth (mbgs)	1	1	<0.3
Laboratory Units							
<b>Metals and Inorganics</b>							
Antimony (Sb)	-	6	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
Arsenic (As)	-	-	1.0	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Barium (Ba)	-	1000	1.0	ug/L	11.3	21.3	3.5
Beryllium (Be)	-	4	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
Boron (B)	-	5000	10.0	ug/L	ND (10.0)	11.4	81.7
Cadmium (Cd)	-	0.5	0.2	ug/L	ND (0.2)	ND (0.2)	ND (0.2)
Chromium (Cr)	-	50	1.0	ug/L	1.6	4.5	1.2
Cobalt (Co)	3.8	3.8	0.5	ug/L	ND (0.5)	0.8	0.5
Copper (Cu)	-	14	0.5	ug/L	1.5	2.9	<b>32.9</b>
Lead (Pb)	-	-	0.2	ug/L	0.4	1.0	0.3
Molybdenum (Mo)	23	23	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
Nickel (Ni)	-	78	1.0	ug/L	1.2	3.0	ND (1.0)
Selenium (Se)	-	10	1.0	ug/L	ND (1.0)	ND (1.0)	ND (1.0)
Silver (Ag)	0.3	0.3	0.2	ug/L	ND (0.2)	ND (0.2)	ND (0.2)
Thallium (Tl)	2	2	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
Uranium (U)	-	20	0.2	ug/L	ND (0.2)	ND (0.2)	ND (0.2)
Vanadium (V)	-	-	0.5	ug/L	1.5	4.3	0.9
Zinc (Zn)	-	180	5.0	ug/L	ND (5.0)	6.7	18.7
<b>VOCs</b>							
Bromomethane	0.5	0.5	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	0.2	0.2	0.2	ug/L	ND (0.2)	ND (0.2)	ND (0.2)
Chloroform	-	-	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichlorobenzene	0.55	0.55	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	0.5	0.5	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	-	-	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	0.5	0.5	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethylene	0.5	0.5	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethylene	0.5	0.5	0.2	ug/L	ND (0.2)	ND (0.2)	ND (0.2)
trans-1,2-Dichloroethylene	0.5	0.5	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	0.5	0.5	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
1,3-Dichloropropane	-	-	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dibromoethane	0.2	0.2	0.2	ug/L	ND (0.2)	ND (0.2)	ND (0.2)
1,1,1,2-Tetrachloroethane	-	-	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1,2,2-Tetrachloroethane	0.5	0.5	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
Tetrachloroethylene	0.5	0.5	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethylene	0.5	0.5	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1,2-Trichloroethane	-	-	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
<b>SVOCs</b>							
Bis(2-chloroethyl)ether	5	5	5.0	ug/L	ND (5.0)	ND (5.0)	ND (5.0)
Bis(2-chloroisopropyl)ether	4	4	4.0	ug/L	ND (4.0)	ND (4.0)	ND (4.0)
4-Chloroaniline	10	10	10.0	ug/L	ND (10.0)	ND (10.0)	ND (10.0)
Dichlorobenzidine, 3,3'	0.5	0.5	0.5	ug/L	ND (0.5)	ND (0.5)	ND (0.5)
Diethyl Phthalate	2	2	2.0	ug/L	ND (2.0)	ND (2.0)	ND (2.0)
Dimethylphthalate	2	2	2.0	ug/L	ND (2.0)	ND (2.0)	ND (2.0)
Dinitrotoluene, 2,4 & 2,6-	5	5	5.0	ug/L	ND (5.0)	ND (5.0)	ND (5.0)
Dinitrophenol, 2,4-	10	10	10.0	ug/L	ND (10.0)	ND (10.0)	ND (10.0)
Trichlorophenol, 2,4,6-	0.75	0.75	0.2	ug/L	ND (0.2)	ND (0.2)	ND (0.2)

**Notes:**

- Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 - Leachate Screening Levels for Full Depth Excess Soil Reuse in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Standards from Table 2.1 of the MECP Rules for Soil Management and Excess Soil Quality Standards adopted by reference in O. Reg. 406/19 made under the Environmental Protection Act, R.S.O. 1990, cc. E.19 - Leachate Screening Levels for Full Depth Excess Soil Reuse in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use.
- Test results shown in bold type exceeded the MECP Table 8.1 ICC LSLs
- Test results shown in bold type exceeded the MECP Table 2.1 ICC LSLs
- Test results shown in bold type exceeded the MECP Table 2.1 ICC LSLs
- \*\* Standard not available or parameter not analyzed.

TABLE 8

O. REG. 347 TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYSIS (TCLP)

Parameters	O.Reg. 347 - Schedule 4 Leachate Quality Criteria	Laboratory Detection Limit	Sample Location	TCLP-01	TCLP-02
			Sample ID		
			Date and Time	22-Nov-2025 17:00	23-Nov-2025 17:00
			Laboratory ID		
			Sample Depth (mbgs)		
			Laboratory Units		
<b>TCLP Extractables</b>					
Fluoride (F)	150	0.05	mg/L	0.38	0.06
Nitrate and Nitrite as N	1000	2	mg/L	ND (2)	ND (2)
<b>TCLP Metals</b>					
Arsenic (As)	2.5	0.05	mg/L	ND (0.05)	ND (0.05)
Barium (Ba)	100	0.05	mg/L	0.52	0.33
Boron (B)	500	0.10	mg/L	ND (0.10)	ND (0.10)
Cadmium (Cd)	0.5	0.01	mg/L	ND (0.01)	0.05
Chromium (Cr)	5	0.05	mg/L	ND (0.05)	ND (0.05)
Cyanide, Weak Acid Diss	20	0.02	mg/L	ND (0.02)	ND (0.02)
Lead (Pb)	5	0.05	mg/L	ND (0.05)	ND (0.05)
Mercury (Hg)	0.1	0.005	mg/L	ND (0.005)	ND (0.005)
Selenium (Se)	1	0.05	mg/L	ND (0.05)	ND (0.05)
Silver (Ag)	5	0.05	mg/L	ND (0.05)	ND (0.05)
Uranium (U)	10	0.05	mg/L	ND (0.05)	ND (0.05)
<b>TCLP VOCs</b>					
1,1-Dichloroethylene	1.4	0.006	mg/L	ND (0.006)	ND (0.006)
1,2-Dichlorobenzene	20	0.004	mg/L	ND (0.004)	ND (0.004)
1,2-Dichloroethane	0.5	0.005	mg/L	ND (0.005)	ND (0.005)
1,4-Dichlorobenzene	0.5	0.004	mg/L	ND (0.004)	ND (0.004)
Benzene	0.5	0.005	mg/L	ND (0.005)	ND (0.005)
Carbon tetrachloride	0.5	0.005	mg/L	ND (0.005)	ND (0.005)
Chlorobenzene	8	0.004	mg/L	ND (0.004)	ND (0.004)
Chloroform	10	0.006	mg/L	ND (0.006)	ND (0.006)
Methyl Ethyl Ketone	200	0.30	mg/L	ND (0.30)	ND (0.30)
Tetrachloroethylene	3	0.005	mg/L	ND (0.005)	ND (0.005)
Trichloroethylene	5	0.004	mg/L	ND (0.004)	ND (0.004)
Vinyl chloride	0.2	0.005	mg/L	ND (0.005)	ND (0.005)
<b>Semivolatile Organics</b>					
TCLP Benzo(a)pyrene	0.001	0.0001	mg/L	ND (0.0001)	ND (0.0001)
<b>TCLP PCBs</b>					
Total PCBs	0.3	0.003	mg/L	ND (0.003)	ND (0.003)

Notes:

- Schedule 4 Leachate Quality Criteria, Ontario Regulation 347
- Test results shown in bold type exceeded the Ontario Regulation 347, Schedule 4 Leachate Quality Criteria
- Laboratory detection limits for the test results shown in bold type exceeded the applicable criteria.
- N/A: Not Applicable
- N/D: Not Detected at a concentration equal or greater than the indicated Detection Limit.

# Appendix F

## Groundwater Test Results

Table 9  
 ANIONS AND GENERAL INORGANICS ANALYSIS - GROUNDWATER

Parameters	Provincial Water Quality Objectives (PWQO)	O. Reg. 153/04 Table 8 - Potable Ground Water Condition, within 30m of a Surface Water Body	Laboratory Detection Limit	Sample Location		RDP %	MW25-02	MW25-03	
				Sample ID	MW25-01		DUP-01	MW25-02	MW25-03
				Date and Time	11/24/2025 10:00 AM		11/24/2025 10:00 AM	11/24/2025 12:00 PM	11/24/2025 02:00 PM
				Laboratory Units					
<b>Anions</b>									
Chloride	-	790	1	mg/L	10	10	0	5	5
<b>General Inorganics</b>									
Cyanide, free	5	52	2	ug/L	ND (2)	ND (2)	NC	ND (2)	ND (2)
pH	-	-	0.1	-	7.2	7.3	1.38	7.6	7.4

Table 10  
 METALS AND INORGANICS ANALYSIS - GROUNDWATER

Parameters	Provincial Water Quality Objectives (PWQO)	O. Reg. 153/04 Table 8 Potable Ground Water Condition, within 30m of a Surface Water Body	Laboratory Detection Limit	Sample Location		RDP%	MW25-02		MW25-03	
				Sample ID	DUP-01		BH25-02	BH25-03		
				Date and Time	11/24/2025 10:00 AM		11/24/2025 10:00 AM	11/24/2025 12:00 PM	11/24/2025 02:00 PM	
				Laboratory Units						
<b>Metals</b>										
Mercury	0.2	0.29	0.1	ug/L	ND (0.1)	ND (0.1)	NC	ND (0.1)	ND (0.1)	
Antimony	20	6	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)	
Arsenic	5	25	1	ug/L	2	2	NC	2	ND (1)	
Barium	-	1000	1	ug/L	141	145	2.80	131	99	
Beryllium	11	4	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)	
Boron	200	5000	10	ug/L	38	40	NC	18	17	
Cadmium	0.1	2.1	0.1	ug/L	ND (0.1)	ND (0.1)	NC	ND (0.1)	ND (0.1)	
Chromium	-	50	1	ug/L	2	2	NC	ND (1)	ND (1)	
Chromium (VI)	1	25	10	ug/L	ND (10)	ND (10)	NC	ND (10)	ND (10)	
Cobalt	0.9	3.8	0.5	ug/L	1.2	1.2	NC	ND (0.5)	0.9	
Copper	1	69	0.5	ug/L	3.9	4.3	9.76	ND (0.5)	ND (0.5)	
Lead	1	10	0.1	ug/L	0.9	1	10.53	ND (0.1)	ND (0.1)	
Molybdenum	40	70	0.5	ug/L	4.7	4.6	2.15	0.5	6.2	
Nickel	25	100	1	ug/L	5	5	0	ND (1)	1	
Selenium	100	10	1	ug/L	ND (1)	ND (1)	NC	ND (1)	ND (1)	
Silver	0.1	1.2	0.1	ug/L	ND (0.1)	ND (0.1)	NC	ND (0.1)	ND (0.1)	
Sodium	-	490000	200	ug/L	83100	84400	1.55	10900	38700	
Thallium	0.3	2	0.1	ug/L	ND (0.1)	ND (0.1)	NC	ND (0.1)	ND (0.1)	
Uranium	5	20	0.1	ug/L	5.6	6	6.90	0.1	4.7	
Vanadium	6	6.2	0.5	ug/L	2.5	2.7	7.69	ND (0.5)	2.6	
Zinc	20	890	5	ug/L	ND (5)	ND (5)	NC	ND (5)	ND (5)	

Table 11  
 VOIATILE ORGANIC COMPOUNDS ANALYSIS - GROUNDWATER

Parameters	Provincial Water Quality Objectives (PWQO)	O. Reg. #53/04 Table 6 - Potable Ground Water Condition, within 30m of a Surface Water Body	Laboratory Detection Limit	Sample Location	MW25-01	MW25-01	RDP %	MW25-02	MW25-03
				Sample ID	MW25-01	DUP-01		MW25-02	MW25-03
				Date and Time	11/24/2025 10:00 AM	11/24/2025 10:00 AM		11/24/2025 12:00 PM	11/24/2025 02:00 PM
				Laboratory Units					
<b>Volatiles</b>									
Acetone	-	2700	5.0	ug/L	ND (5.0)	ND (5.0)	NC	ND (5.0)	ND (5.0)
Benzene	100	5	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Bromodichloromethane	200	16	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Bromoforn	60	25	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Bromomethane	0.9	0.89	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Carbon Tetrachloride	-	0.79	0.2	ug/L	ND (0.2)	ND (0.2)	NC	ND (0.2)	ND (0.2)
Chlorobenzene	15	30	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Chloroforn	-	2.4	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Dibromochloromethane	40	25	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Dichlorodifluoromethane	-	590	1.0	ug/L	ND (1.0)	ND (1.0)	NC	ND (1.0)	ND (1.0)
1,2-Dichlorobenzene	2.5	3	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
1,3-Dichlorobenzene	2.5	59	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	4	1	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
1,1-Dichloroethane	200	5	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
1,2-Dichloroethane	100	1.6	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
1,1-Dichloroethylene	40	1.6	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
cis-1,2-Dichloroethylene	200	1.6	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
trans-1,2-Dichloroethylene	200	1.6	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
1,2-Dichloropropane	0.7	5	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropylene	-	-	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
trans-1,3-Dichloropropylene	7	-	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
1,3-Dichloropropene, total	-	0.5	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Ethylbenzene	8	2.4	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Ethylene dibromide (dibromoethane, 1,2-)	-	0.2	0.2	ug/L	ND (0.2)	ND (0.2)	NC	ND (0.2)	ND (0.2)
Hexane	-	51	1.0	ug/L	ND (1.0)	ND (1.0)	NC	ND (1.0)	ND (1.0)
Methyl Ethyl Ketone (2-Butanone)	400	1800	5.0	ug/L	ND (5.0)	ND (5.0)	NC	ND (5.0)	ND (5.0)
Methyl Isobutyl Ketone	-	640	5.0	ug/L	ND (5.0)	ND (5.0)	NC	ND (5.0)	ND (5.0)
Methyl tert-butyl ether	200	15	2.0	ug/L	ND (2.0)	ND (2.0)	NC	ND (2.0)	ND (2.0)
Methylene Chloride	100	50	5.0	ug/L	ND (5.0)	ND (5.0)	NC	ND (5.0)	ND (5.0)
Styrene	4	5.4	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
1,1,1,2-Tetrachloroethane	20	1.1	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	70	1	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Tetrachloroethylene	50	1.6	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Toluene	0.8	22	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	10	200	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	800	4.7	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Trichloroethylene	20	1.6	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Trichlorofluoromethane	-	150	1.0	ug/L	ND (1.0)	ND (1.0)	NC	ND (1.0)	ND (1.0)
Vinyl Chloride	600	0.5	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
m/p-Xylene	2	-	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
o-Xylene	40	-	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)
Xylenes, total	-	300	0.5	ug/L	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)

Table 12  
 PETROLEUM HYDROCARBONS ANALYSIS - GROUNDWATER

Parameters	Provincial Water Quality Objectives (PWQO)	O. Reg. 153/04 Table 8 Potable Ground Water Condition, within 30m of a Surface Water Body	Laboratory Detection Limit	Sample Location		RDP %	MW25-02	MW25-03	
				Sample ID	DUP-01		MW25-02	MW25-03	
				Date and Time	11/24/2025 10:00 AM		11/24/2025 10:00 AM	11/24/2025 12:00 PM	11/24/2025 02:00 PM
				Laboratory Units					
<b>Hydrocarbons</b>									
F1 PHCs (C6-C10)	-	420	25	ug/L	ND (25)	ND (25)	NC	ND (25)	ND (25)
F2 PHCs (C10-C16)	-	150	100	ug/L	ND (100)	ND (100)	NC	ND (100)	ND (100)
F3 PHCs (C16-C34)	-	500	100	ug/L	ND (100)	ND (100)	NC	ND (100)	ND (100)
F4 PHCs (C34-C50)	-	500	100	ug/L	ND (100)	ND (100)	NC	ND (100)	ND (100)

Table 13  
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS - GROUNDWATER

Parameters	Provincial Water Quality Objectives (PWQO)	O. Reg. 153/04 Table 8 Potable Ground Water Condition, within 30m of a Surface Water Body	Laboratory Detection Limit	Sample Location	MW25-01	MW25-01	RDP %	MW25-02	MW25-03
				Sample ID	MW25-01	DUP-01		MW25-02	MW25-03
				Date and Time	11/24/2025 10:00 AM	11/24/2025 10:00 AM		11/24/2025 12:00 PM	11/24/2025 02:00 PM
				Laboratory Units					
<b>PAHs</b>									
Acenaphthene	-	4.1	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
Acenaphthylene	-	1	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
Anthracene	0.0008	1	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)
Benzo[a]anthracene	0.0004	1	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)
Benzo[a]pyrene	-	0.01	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)
Benzo[b]fluoranthene	-	0.1	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
Benzo[g,h,i]perylene	0.00002	0.2	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
Benzo[k]fluoranthene	0.0002	0.1	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
Chrysene	0.0001	0.1	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
Dibenzo[a,h]anthracene	0.002	0.2	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
Fluoranthene	0.0008	0.41	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)
Fluorene	0.2	120	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
Indeno [1,2,3-cd] pyrene	-	0.2	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
1-Methylnaphthalene	2	3.2	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
2-Methylnaphthalene	2	3.2	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
Methylnaphthalene (1&2)	-	3.2	0.10	ug/L	ND (0.10)	ND (0.10)	NC	ND (0.10)	ND (0.10)
Naphthalene	7	11	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
Phenanthrene	0.03	1	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)
Pyrene	-	4.1	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)

TABLE 14  
ORGANOCHLORINE (OC) PESTICIDES ANALYSIS - GROUNDWATER

Parameters	Provincial Water Quality Objectives (PWQO)	O. Reg. 153/04 Table 8 - Potable Ground Water Condition within 30m of a Surface Water Body	Laboratory Detection Limit	Sample Location		RDP %	MW25-02		MW25-03	
				Sample ID	MW25-01		DUP-01	MW25-02	MW25-03	
				Date and Time	11/24/2025 10:00 AM		11/24/2025 10:00 AM	11/24/2025 12:00 PM	11/24/2025 02:00 PM	
				Laboratory Units						
<b>Pesticides, OC</b>										
Aldrin	-	0.35	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
gamma-BHC (Lindane)	-	0.95	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
alpha-Chlordane	-		0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
gamma-Chlordane	-		0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
Chlordane	-	0.06	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
o,p-DDD	-		0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
p,p-DDD	-		0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
DDD	-	1.8	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
o,p-DDE	-		0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
p,p-DDE	-		0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
DDE	-	10	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
o,p-DDT	-		0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
p,p-DDT	-		0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
DDT	-	0.05	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
Dieldrin	-	0.35	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
Endrin	-	0.36	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
Endosulfan I	-		0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
Endosulfan II	-		0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
Endosulfan I/II	-	0.56	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
Heptachlor	-	0.038	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
Heptachlor Epoxide	-	0.038	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
Hexachlorobenzene	-	1	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
Hexachlorobutadiene	-	0.44	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
Hexachloroethane	-	2.1	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)
Methoxychlor	-	0.3	0.01	ug/L	ND (0.01)	ND (0.01)	NC	ND (0.01)	ND (0.01)	ND (0.01)

TABLE 15  
 POLYCHLORINATED BIPHENYLS (PCBs) ANALYSIS - GROUNDWATER

Parameters	Provincial Water Quality Objectives (PWQO)	O. Reg. 153/04 Table 8 Potable Ground Water Condition within 30m of a Surface Water Body	Laboratory Detection Limit	Sample Location	MW25-01	MW25-01	RDP %	MW25-02	MW25-03
				Sample ID	MW25-01	DUP-01		MW25-02	MW25-03
				Date and Time	11/24/2025 10:00 AM	11/24/2025 10:00 AM		11/24/2025 12:00 PM	11/24/2025 02:00 PM
				Laboratory Units					
<b>PCBs</b>									
PCBs, total	0.001	0.05	0.05	ug/L	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)

# **Appendix G**

## **Laboratory Certificates of Analysis**

### **November 2025**

## Certificate of Analysis

**Hatch Ltd. (Mississauga)**

2699 Speakman Drive  
Mississauga, ON L5K 1B1  
Attn: Owen Salvucci

Client PO:  
Project: H377031  
Custody:

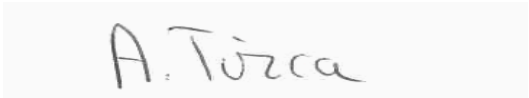
Report Date: 2-Dec-2025  
Order Date: 26-Nov-2025

**Order #: 2548261**

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

Parcel ID	Client ID	Parcel ID	Client ID
2548261-02	TP25-01-S2	2548261-22	TP25-11-S1
2548261-03	TP25-01-S3	2548261-23	TP25-11-S2
2548261-04	TP25-01-S4	2548261-24	TP25-12-S1
2548261-05	TP25-02-S1	2548261-25	TP25-13-S1
2548261-07	TP25-02-S3		
2548261-09	TP25-03-S2		
2548261-10	TP25-03-S3		
2548261-12	TP25-04-S2		
2548261-13	TP25-04-S3		
2548261-14	TP25-05-S1		
2548261-15	TP25-05-S2		
2548261-17	TP25-06-S1		
2548261-18	TP25-07-S1		
2548261-19	TP25-08-S1		
2548261-20	TP25-09-S1		
2548261-21	TP25-10-S1		

Approved By:



Adriana Tirca, B.Eng (Chem)

Supervisor

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Analysis Summary Table**

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Boron, available	MOE (HWE), EPA 200.8 - ICP-MS	28-Nov-25	28-Nov-25
Chromium, hexavalent - soil	MOE E3056 - Extraction, colourimetric	1-Dec-25	1-Dec-25
Conductivity	MOE E3138 - probe @25 °C, water ext	28-Nov-25	28-Nov-25
Cyanide, free	MOE E3015 - Auto Colour, water extraction	28-Nov-25	28-Nov-25
Mercury by CVAA	EPA 7471B - CVAA, digestion	28-Nov-25	28-Nov-25
PCBs, total	SW846 8082A - GC-ECD	28-Nov-25	29-Nov-25
pH, soil	MOE E3137 - probe @25 °C, CaCl <sub>2</sub> ext	1-Dec-25	1-Dec-25
PHC F1	CWS Tier 1 - P&T GC-FID	28-Nov-25	29-Nov-25
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	28-Nov-25	1-Dec-25
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	28-Nov-25	28-Nov-25
REG 153: PAHs by GC-MS	EPA 8270 - GC-MS, extraction	28-Nov-25	1-Dec-25
REG 153: Pesticides, OC	EPA 8081B - GC-ECD	28-Nov-25	28-Nov-25
REG 153: VOCs by P&T GC/MS	EPA 8260 - P&T GC-MS	28-Nov-25	29-Nov-25
SAR	Calculated	28-Nov-25	28-Nov-25
Solids, %	CWS Tier 1 - Gravimetric	27-Nov-25	28-Nov-25

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

## Summary of Criteria Exceedances

If this page is blank, then there are no exceedances

**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 in red have exceeded the selected regulatory limit. A blue highlight represents a non-detect result with a reporting limit that exceeds the selected regulatory limit. Calculated uncertainty estimations have not been applied for determining regulatory exceedances.

Sample	Analyte	MDL / Units	Result	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
TP25-06-S1	Antimony	1.0 ug/g	15.7	1 ug/g	1 ug/g
TP25-06-S1	Arsenic	1.0 ug/g	181	11 ug/g	11 ug/g
TP25-06-S1	Cadmium	0.5 ug/g	13.1	1 ug/g	1 ug/g
TP25-06-S1	Chromium	5.0 ug/g	88.6	67 ug/g	67 ug/g
TP25-06-S1	Cobalt	1.0 ug/g	32.0	19 ug/g	19 ug/g
TP25-06-S1	Copper	5.0 ug/g	7830	62 ug/g	62 ug/g
TP25-06-S1	Lead	1.0 ug/g	484	45 ug/g	45 ug/g
TP25-06-S1	Mercury	0.1 ug/g	0.7	0.16 ug/g	0.16 ug/g
TP25-06-S1	Molybdenum	1.0 ug/g	38.3	2 ug/g	2 ug/g
TP25-06-S1	Nickel	5.0 ug/g	75.9	37 ug/g	37 ug/g
TP25-06-S1	Selenium	1.0 ug/g	9.1	1.2 ug/g	1.2 ug/g
TP25-06-S1	Silver	0.3 ug/g	35.0	0.5 ug/g	0.5 ug/g
TP25-06-S1	Zinc	20.0 ug/g	2010	290 ug/g	290 ug/g
TP25-06-S1	Xylenes, total	0.05 ug/g	0.14	0.05 ug/g	0.05 ug/g
TP25-06-S1	F3 PHCs (C16-C34)	8 ug/g	539	240 ug/g	240 ug/g
TP25-06-S1	F4 PHCs (C34-C50)	6 ug/g	209	120 ug/g	120 ug/g
TP25-06-S1	Anthracene	0.02 ug/g	0.07	0.05 ug/g	0.05 ug/g
TP25-06-S1	Benzo [a] pyrene	0.02 ug/g	0.08	0.05 ug/g	0.05 ug/g
TP25-06-S1	Benzo [k] fluoranthene	0.02 ug/g	0.09	0.05 ug/g	0.05 ug/g
TP25-06-S1	1-Methylnaphthalene	0.02 ug/g	0.10	0.05 ug/g	0.05 ug/g
TP25-06-S1	2-Methylnaphthalene	0.02 ug/g	0.14	0.05 ug/g	0.05 ug/g
TP25-06-S1	Methylnaphthalene (1&2)	0.04 ug/g	0.24	0.05 ug/g	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

## Summary of Criteria Exceedances

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Sample	Analyte	MDL / Units	Result	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
TP25-06-S1	Naphthalene	0.01 ug/g	0.09	0.05 ug/g	0.05 ug/g
TP25-07-S1	Antimony	1.0 ug/g	5.7	1 ug/g	1 ug/g
TP25-07-S1	Arsenic	1.0 ug/g	78.4	11 ug/g	11 ug/g
TP25-07-S1	Cadmium	0.5 ug/g	5.9	1 ug/g	1 ug/g
TP25-07-S1	Copper	5.0 ug/g	1390	62 ug/g	62 ug/g
TP25-07-S1	Lead	1.0 ug/g	241	45 ug/g	45 ug/g
TP25-07-S1	Mercury	0.1 ug/g	0.3	0.16 ug/g	0.16 ug/g
TP25-07-S1	Molybdenum	1.0 ug/g	4.6	2 ug/g	2 ug/g
TP25-07-S1	Nickel	5.0 ug/g	42.5	37 ug/g	37 ug/g
TP25-07-S1	Selenium	1.0 ug/g	5.5	1.2 ug/g	1.2 ug/g
TP25-07-S1	Silver	0.3 ug/g	20.3	0.5 ug/g	0.5 ug/g
TP25-07-S1	Zinc	20.0 ug/g	748	290 ug/g	290 ug/g
TP25-07-S1	F3 PHCs (C16-C34)	8 ug/g	301	240 ug/g	240 ug/g
TP25-07-S1	Chrysene	0.02 ug/g	0.31	0.18 ug/g	0.18 ug/g
TP25-07-S1	1-Methylnaphthalene	0.02 ug/g	0.15	0.05 ug/g	0.05 ug/g
TP25-07-S1	2-Methylnaphthalene	0.02 ug/g	0.19	0.05 ug/g	0.05 ug/g
TP25-07-S1	Methylnaphthalene (1&2)	0.04 ug/g	0.34	0.05 ug/g	0.05 ug/g
TP25-07-S1	Naphthalene	0.01 ug/g	0.12	0.05 ug/g	0.05 ug/g
TP25-08-S1	Antimony	1.0 ug/g	3.1	1 ug/g	1 ug/g
TP25-08-S1	Arsenic	1.0 ug/g	70.7	11 ug/g	11 ug/g
TP25-08-S1	Cadmium	0.5 ug/g	10.1	1 ug/g	1 ug/g
TP25-08-S1	Cobalt	1.0 ug/g	44.6	19 ug/g	19 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

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Sample	Analyte	MDL / Units	Result	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
TP25-08-S1	Copper	5.0 ug/g	2130	62 ug/g	62 ug/g
TP25-08-S1	Lead	1.0 ug/g	163	45 ug/g	45 ug/g
TP25-08-S1	Mercury	0.1 ug/g	0.2	0.16 ug/g	0.16 ug/g
TP25-08-S1	Molybdenum	1.0 ug/g	3.4	2 ug/g	2 ug/g
TP25-08-S1	Nickel	5.0 ug/g	48.2	37 ug/g	37 ug/g
TP25-08-S1	Selenium	1.0 ug/g	3.6	1.2 ug/g	1.2 ug/g
TP25-08-S1	Silver	0.3 ug/g	10.9	0.5 ug/g	0.5 ug/g
TP25-08-S1	Zinc	20.0 ug/g	678	290 ug/g	290 ug/g
TP25-08-S1	1-Methylnaphthalene	0.02 ug/g	0.12	0.05 ug/g	0.05 ug/g
TP25-08-S1	2-Methylnaphthalene	0.02 ug/g	0.14	0.05 ug/g	0.05 ug/g
TP25-08-S1	Methylnaphthalene (1&2)	0.04 ug/g	0.27	0.05 ug/g	0.05 ug/g
TP25-08-S1	Naphthalene	0.01 ug/g	0.12	0.05 ug/g	0.05 ug/g
TP25-09-S1	Cadmium	0.5 ug/g	1.1	1 ug/g	1 ug/g
TP25-09-S1	Copper	5.0 ug/g	176	62 ug/g	62 ug/g
TP25-10-S1	Zinc	20.0 ug/g	309	290 ug/g	290 ug/g
TP25-11-S1	Antimony	1.0 ug/g	19.4	1 ug/g	1 ug/g
TP25-11-S1	Arsenic	1.0 ug/g	373	11 ug/g	11 ug/g
TP25-11-S1	Cadmium	0.5 ug/g	9.0	1 ug/g	1 ug/g
TP25-11-S1	Cobalt	1.0 ug/g	48.0	19 ug/g	19 ug/g
TP25-11-S1	Copper	5.0 ug/g	3970	62 ug/g	62 ug/g
TP25-11-S1	Lead	1.0 ug/g	1490	45 ug/g	45 ug/g
TP25-11-S1	Mercury	0.1 ug/g	1.1	0.16 ug/g	0.16 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

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Project Description: H377031

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Sample	Analyte	MDL / Units	Result	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
TP25-11-S1	Molybdenum	1.0 ug/g	8.3	2 ug/g	2 ug/g
TP25-11-S1	Nickel	5.0 ug/g	56.5	37 ug/g	37 ug/g
TP25-11-S1	Selenium	1.0 ug/g	11.6	1.2 ug/g	1.2 ug/g
TP25-11-S1	Silver	0.3 ug/g	21.0	0.5 ug/g	0.5 ug/g
TP25-11-S1	Zinc	20.0 ug/g	1550	290 ug/g	290 ug/g
TP25-11-S1	Xylenes, total	0.05 ug/g	0.28	0.05 ug/g	0.05 ug/g
TP25-11-S1	F2 PHCs (C10-C16)	4 ug/g	11	10 ug/g	10 ug/g
TP25-11-S1	F3 PHCs (C16-C34)	8 ug/g	506	240 ug/g	240 ug/g
TP25-11-S1	F4 PHCs (C34-C50)	6 ug/g	218	120 ug/g	120 ug/g
TP25-11-S1	Anthracene	0.02 ug/g	0.25	0.05 ug/g	0.05 ug/g
TP25-11-S1	Benzo [a] anthracene	0.02 ug/g	0.10	0.095 ug/g	0.095 ug/g
TP25-11-S1	Benzo [a] pyrene	0.02 ug/g	0.55	0.05 ug/g	0.05 ug/g
TP25-11-S1	Benzo [b] fluoranthene	0.02 ug/g	0.64	0.3 ug/g	0.3 ug/g
TP25-11-S1	Benzo [g,h,i] perylene	0.02 ug/g	0.41	0.2 ug/g	0.2 ug/g
TP25-11-S1	Benzo [k] fluoranthene	0.02 ug/g	0.21	0.05 ug/g	0.05 ug/g
TP25-11-S1	Fluoranthene	0.02 ug/g	0.25	0.24 ug/g	0.24 ug/g
TP25-11-S1	1-Methylnaphthalene	0.02 ug/g	0.49	0.05 ug/g	0.05 ug/g
TP25-11-S1	2-Methylnaphthalene	0.02 ug/g	0.63	0.05 ug/g	0.05 ug/g
TP25-11-S1	Methylnaphthalene (1&2)	0.04 ug/g	1.12	0.05 ug/g	0.05 ug/g
TP25-11-S1	Naphthalene	0.01 ug/g	0.53	0.05 ug/g	0.05 ug/g
TP25-11-S1	Phenanthrene	0.02 ug/g	0.31	0.19 ug/g	0.19 ug/g
TP25-11-S1	Pyrene	0.02 ug/g	0.23	0.19 ug/g	0.19 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

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Sample	Analyte	MDL / Units	Result	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
TP25-11-S2	Antimony	1.0 ug/g	15.9	1 ug/g	1 ug/g
TP25-11-S2	Arsenic	1.0 ug/g	331	11 ug/g	11 ug/g
TP25-11-S2	Cadmium	0.5 ug/g	8.5	1 ug/g	1 ug/g
TP25-11-S2	Cobalt	1.0 ug/g	36.2	19 ug/g	19 ug/g
TP25-11-S2	Copper	5.0 ug/g	4410	62 ug/g	62 ug/g
TP25-11-S2	Lead	1.0 ug/g	971	45 ug/g	45 ug/g
TP25-11-S2	Mercury	0.1 ug/g	1.0	0.16 ug/g	0.16 ug/g
TP25-11-S2	Molybdenum	1.0 ug/g	8.0	2 ug/g	2 ug/g
TP25-11-S2	Nickel	5.0 ug/g	51.2	37 ug/g	37 ug/g
TP25-11-S2	Selenium	1.0 ug/g	10.8	1.2 ug/g	1.2 ug/g
TP25-11-S2	Silver	0.3 ug/g	27.1	0.5 ug/g	0.5 ug/g
TP25-11-S2	Zinc	20.0 ug/g	1500	290 ug/g	290 ug/g
TP25-11-S2	Xylenes, total	0.05 ug/g	0.45	0.05 ug/g	0.05 ug/g
TP25-11-S2	F3 PHCs (C16-C34)	8 ug/g	555	240 ug/g	240 ug/g
TP25-11-S2	F4 PHCs (C34-C50)	6 ug/g	252	120 ug/g	120 ug/g
TP25-11-S2	Anthracene	0.02 ug/g	0.13	0.05 ug/g	0.05 ug/g
TP25-11-S2	Benzo [a] pyrene	0.02 ug/g	0.06	0.05 ug/g	0.05 ug/g
TP25-11-S2	Benzo [k] fluoranthene	0.02 ug/g	0.08	0.05 ug/g	0.05 ug/g
TP25-11-S2	1-Methylnaphthalene	0.02 ug/g	0.34	0.05 ug/g	0.05 ug/g
TP25-11-S2	2-Methylnaphthalene	0.02 ug/g	0.39	0.05 ug/g	0.05 ug/g
TP25-11-S2	Methylnaphthalene (1&2)	0.04 ug/g	0.74	0.05 ug/g	0.05 ug/g
TP25-11-S2	Naphthalene	0.01 ug/g	0.33	0.05 ug/g	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

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Sample	Analyte	MDL / Units	Result	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
TP25-11-S2	Phenanthrene	0.02 ug/g	0.32	0.19 ug/g	0.19 ug/g
TP25-12-S1	Antimony	1.0 ug/g	8.5	1 ug/g	1 ug/g
TP25-12-S1	Arsenic	1.0 ug/g	244	11 ug/g	11 ug/g
TP25-12-S1	Cadmium	0.5 ug/g	1.6	1 ug/g	1 ug/g
TP25-12-S1	Copper	5.0 ug/g	798	62 ug/g	62 ug/g
TP25-12-S1	Lead	1.0 ug/g	467	45 ug/g	45 ug/g
TP25-12-S1	Mercury	0.1 ug/g	1.4	0.16 ug/g	0.16 ug/g
TP25-12-S1	Molybdenum	1.0 ug/g	13.9	2 ug/g	2 ug/g
TP25-12-S1	Selenium	1.0 ug/g	50.9	1.2 ug/g	1.2 ug/g
TP25-12-S1	Silver	0.3 ug/g	46.2	0.5 ug/g	0.5 ug/g
TP25-12-S1	Thallium	1.0 ug/g	1.4	1 ug/g	1 ug/g
TP25-12-S1	Zinc	20.0 ug/g	454	290 ug/g	290 ug/g
TP25-12-S1	Benzene	0.02 ug/g	0.33	0.02 ug/g	0.02 ug/g
TP25-12-S1	Ethylbenzene	0.05 ug/g	0.76	0.05 ug/g	0.05 ug/g
TP25-12-S1	Toluene	0.05 ug/g	2.50	0.2 ug/g	0.2 ug/g
TP25-12-S1	Xylenes, total	0.05 ug/g	5.83	0.05 ug/g	0.05 ug/g
TP25-12-S1	F1 PHCs (C6-C10)	7 ug/g	25	17 ug/g	17 ug/g
TP25-12-S1	F2 PHCs (C10-C16)	4 ug/g	49	10 ug/g	10 ug/g
TP25-12-S1	Anthracene	0.02 ug/g	0.10	0.05 ug/g	0.05 ug/g
TP25-12-S1	Benzo [a] anthracene	0.02 ug/g	0.15	0.095 ug/g	0.095 ug/g
TP25-12-S1	Benzo [a] pyrene	0.02 ug/g	0.09	0.05 ug/g	0.05 ug/g
TP25-12-S1	1-Methylnaphthalene	0.02 ug/g	2.04	0.05 ug/g	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

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Sample	Analyte	MDL / Units	Result	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
TP25-12-S1	2-Methylnaphthalene	0.02 ug/g	2.55	0.05 ug/g	0.05 ug/g
TP25-12-S1	Methylnaphthalene (1&2)	0.04 ug/g	4.59	0.05 ug/g	0.05 ug/g
TP25-12-S1	Naphthalene	0.01 ug/g	1.95	0.05 ug/g	0.05 ug/g
TP25-12-S1	Phenanthrene	0.02 ug/g	1.06	0.19 ug/g	0.19 ug/g
TP25-12-S1	Pyrene	0.02 ug/g	0.22	0.19 ug/g	0.19 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

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Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

<b>Client ID:</b>	TP25-01-S2	TP25-01-S3	TP25-01-S4	TP25-02-S1	<b>Criteria:</b>	
<b>Sample Date:</b>	23-Nov-25 10:15	23-Nov-25 10:15	23-Nov-25 10:15	23-Nov-25 09:45	<b>Reg 153/04 -T1 Agr</b>	<b>Reg 406/19 -T1 Agr</b>
<b>Sample ID:</b>	2548261-02	2548261-03	2548261-04	2548261-05		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>MDL/Units</b>						

**Physical Characteristics**

% Solids	0.1 % by Wt.	80.1	80.8	79.3	83.0	-	-
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**General Inorganics**

SAR	0.01 N/A	0.30	0.17	0.17	0.23	1 N/A	1 N/A
Conductivity	5 uS/cm	134	120	128	119	0.47 mS/cm	0.47 mS/cm
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	0.051 ug/g	0.051 ug/g
pH	0.05 pH Units	7.57	7.56	7.48	7.41	5.00 - 9.00 pH units	-

**Metals**

Antimony	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1 ug/g	1 ug/g
Arsenic	1.0 ug/g	1.4	1.6	1.7	1.8	11 ug/g	11 ug/g
Barium	1.0 ug/g	57.3	56.8	71.0	45.1	210 ug/g	210 ug/g
Beryllium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	2.5 ug/g	2.5 ug/g
Boron, available	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	-	-
Boron	5.0 ug/g	7.2	7.2	7.6	<5.0	36 ug/g	36 ug/g
Cadmium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	1 ug/g	1 ug/g
Chromium (VI)	0.2 ug/g	0.2	0.2	0.3	0.3	0.66 ug/g	0.66 ug/g
Chromium	5.0 ug/g	43.8	43.1	48.5	29.8	67 ug/g	67 ug/g
Cobalt	1.0 ug/g	7.2	6.7	7.9	4.8	19 ug/g	19 ug/g
Copper	5.0 ug/g	13.8	12.9	13.6	6.7	62 ug/g	62 ug/g
Lead	1.0 ug/g	4.4	3.8	4.5	2.7	45 ug/g	45 ug/g
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	0.16 ug/g	0.16 ug/g
Molybdenum	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	2 ug/g	2 ug/g
Nickel	5.0 ug/g	23.1	22.5	24.7	14.7	37 ug/g	37 ug/g
Selenium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1.2 ug/g	1.2 ug/g
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	0.5 ug/g	0.5 ug/g
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1 ug/g	1 ug/g

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Report Date: 02-Dec-2025

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Client PO:

Project Description: H377031

Client ID:	TP25-01-S2	TP25-01-S3	TP25-01-S4	TP25-02-S1	Criteria:	
Sample Date:	23-Nov-25 10:15	23-Nov-25 10:15	23-Nov-25 10:15	23-Nov-25 09:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-02	2548261-03	2548261-04	2548261-05		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Metals**

	TP25-01-S2	TP25-01-S3	TP25-01-S4	TP25-02-S1	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Uranium	1.0 ug/g	<1.0	<1.0	<1.0	1.9 ug/g	1.9 ug/g
Vanadium	10.0 ug/g	31.3	31.7	34.2	86 ug/g	86 ug/g
Zinc	20.0 ug/g	29.0	26.5	31.4	290 ug/g	290 ug/g

**Volatiles**

	TP25-01-S2	TP25-01-S3	TP25-01-S4	TP25-02-S1	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Acetone	0.50 ug/g	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
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: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-01-S2	TP25-01-S3	TP25-01-S4	TP25-02-S1	Criteria:	
Sample Date:	23-Nov-25 10:15	23-Nov-25 10:15	23-Nov-25 10:15	23-Nov-25 09:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-02	2548261-03	2548261-04	2548261-05		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Volatiles**

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.2 ug/g	0.2 ug/g
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
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	0.05 ug/g	0.05 ug/g
Toluene-d8	Surrogate	115%	115%	115%	114%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-01-S2	TP25-01-S3	TP25-01-S4	TP25-02-S1	Criteria:	
Sample Date:	23-Nov-25 10:15	23-Nov-25 10:15	23-Nov-25 10:15	23-Nov-25 09:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-02	2548261-03	2548261-04	2548261-05		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Volatiles**

4-Bromofluorobenzene	Surrogate	126%	126%	127%	114%	-	-
Dibromofluoromethane	Surrogate	123%	126%	127%	118%	-	-

**Hydrocarbons**

F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	<7	17 ug/g	17 ug/g
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	<4	10 ug/g	10 ug/g
F3 PHCs (C16-C34)	8 ug/g	<8	<8	<8	<8	240 ug/g	240 ug/g
F4 PHCs (C34-C50)	6 ug/g	<6	<6	<6	<6	120 ug/g	120 ug/g

**Semi-Volatiles**

Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.093 ug/g	0.093 ug/g
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Benzo [a] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.095 ug/g	0.095 ug/g
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.3 ug/g	0.3 ug/g
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.2 ug/g	0.2 ug/g
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Chrysene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.18 ug/g	0.18 ug/g
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.1 ug/g	0.1 ug/g
Fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.24 ug/g	0.24 ug/g
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
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	<0.02	<0.02	0.05 ug/g	0.05 ug/g
2-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	<0.04	<0.04	<0.04	0.05 ug/g	0.05 ug/g
Naphthalene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-01-S2	TP25-01-S3	TP25-01-S4	TP25-02-S1	Criteria:	
Sample Date:	23-Nov-25 10:15	23-Nov-25 10:15	23-Nov-25 10:15	23-Nov-25 09:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-02	2548261-03	2548261-04	2548261-05		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Semi-Volatiles**

Phenanthrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.19 ug/g	0.19 ug/g
Pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.19 ug/g	0.19 ug/g
2-Fluorobiphenyl	Surrogate	53.5%	50.0%	71.6%	53.9%	-	-
Terphenyl-d14	Surrogate	65.2%	59.6%	70.8%	68.7%	-	-

**Pesticides, OC**

Aldrin	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
gamma-BHC (Lindane)	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
alpha-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
gamma-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
o,p'-DDD	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDD	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
DDD	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
o,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
o,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.078 ug/g	0.078 ug/g
Dieldrin	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Endrin	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.04 ug/g	0.04 ug/g
Endosulfan I	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
Endosulfan II	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Endosulfan I/II	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.04 ug/g	0.04 ug/g
Heptachlor	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

<b>Client ID:</b>	TP25-01-S2	TP25-01-S3	TP25-01-S4	TP25-02-S1	<b>Criteria:</b>	
<b>Sample Date:</b>	23-Nov-25 10:15	23-Nov-25 10:15	23-Nov-25 10:15	23-Nov-25 09:45	<b>Reg 153/04 -T1 Agr</b>	<b>Reg 406/19 -T1 Agr</b>
<b>Sample ID:</b>	2548261-02	2548261-03	2548261-04	2548261-05		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>MDL/Units</b>						

**Pesticides, OC**

Heptachlor epoxide	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
Hexachlorobenzene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Hexachlorobutadiene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Hexachloroethane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Methoxychlor	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
Decachlorobiphenyl	Surrogate	108%	103%	113%	94.1%	-	-

**PCBs**

PCBs, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.3 ug/g	0.3 ug/g
Decachlorobiphenyl	Surrogate	109%	111%	119%	115%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

<b>Client ID:</b>	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2	<b>Criteria:</b>	
<b>Sample Date:</b>	23-Nov-25 09:45	23-Nov-25 08:30	23-Nov-25 08:30	22-Nov-25 15:00	<b>Reg 153/04 -T1 Agr</b>	<b>Reg 406/19 -T1 Agr</b>
<b>Sample ID:</b>	2548261-07	2548261-09	2548261-10	2548261-12		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>MDL/Units</b>						

**Physical Characteristics**

% Solids	0.1 % by Wt.	80.4	81.8	82.9	83.2	-	-
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**General Inorganics**

SAR	0.01 N/A	0.16	0.22	0.15	0.20	1 N/A	1 N/A
Conductivity	5 uS/cm	121	107	47	105	0.47 mS/cm	0.47 mS/cm
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	0.051 ug/g	0.051 ug/g
pH	0.05 pH Units	7.53	7.61	7.43	7.45	5.00 - 9.00 pH units	-

**Metals**

Antimony	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1 ug/g	1 ug/g
Arsenic	1.0 ug/g	1.1	1.4	1.6	1.7	11 ug/g	11 ug/g
Barium	1.0 ug/g	50.1	47.0	47.2	42.1	210 ug/g	210 ug/g
Beryllium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	2.5 ug/g	2.5 ug/g
Boron, available	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	-	-
Boron	5.0 ug/g	6.2	<5.0	<5.0	<5.0	36 ug/g	36 ug/g
Cadmium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	1 ug/g	1 ug/g
Chromium (VI)	0.2 ug/g	<0.2	0.2	0.4	0.3	0.66 ug/g	0.66 ug/g
Chromium	5.0 ug/g	38.4	33.3	32.6	30.1	67 ug/g	67 ug/g
Cobalt	1.0 ug/g	6.0	6.1	5.6	5.5	19 ug/g	19 ug/g
Copper	5.0 ug/g	12.2	8.8	8.3	9.6	62 ug/g	62 ug/g
Lead	1.0 ug/g	3.6	3.0	3.0	3.0	45 ug/g	45 ug/g
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	0.16 ug/g	0.16 ug/g
Molybdenum	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	2 ug/g	2 ug/g
Nickel	5.0 ug/g	19.9	18.0	17.3	16.8	37 ug/g	37 ug/g
Selenium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1.2 ug/g	1.2 ug/g
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	0.5 ug/g	0.5 ug/g
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1 ug/g	1 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2	Criteria:	
Sample Date:	23-Nov-25 09:45	23-Nov-25 08:30	23-Nov-25 08:30	22-Nov-25 15:00	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-07	2548261-09	2548261-10	2548261-12		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Metals**

	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Uranium	1.0 ug/g	<1.0	<1.0	<1.0	1.9 ug/g	1.9 ug/g
Vanadium	10.0 ug/g	28.4	24.3	23.5	23.8	86 ug/g
Zinc	20.0 ug/g	24.0	<20.0	21.3	<20.0	290 ug/g

**Volatiles**

	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2	Criteria:	
Sample Date:	23-Nov-25 09:45	23-Nov-25 08:30	23-Nov-25 08:30	22-Nov-25 15:00	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-07	2548261-09	2548261-10	2548261-12		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Volatiles**

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.2 ug/g	0.2 ug/g
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
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	0.05 ug/g	0.05 ug/g
Dibromofluoromethane	Surrogate	123%	124%	120%	124%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2	Criteria:	
Sample Date:	23-Nov-25 09:45	23-Nov-25 08:30	23-Nov-25 08:30	22-Nov-25 15:00	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-07	2548261-09	2548261-10	2548261-12		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Volatiles**

Compound	Surrogate	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Toluene-d8	Surrogate	114%	112%	112%	110%	-	-
4-Bromofluorobenzene	Surrogate	125%	123%	124%	124%	-	-

**Hydrocarbons**

Compound	Surrogate	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	<7	17 ug/g	17 ug/g
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	<4	10 ug/g	10 ug/g
F3 PHCs (C16-C34)	8 ug/g	<8	<8	<8	<8	240 ug/g	240 ug/g
F4 PHCs (C34-C50)	6 ug/g	<6	<6	<6	<6	120 ug/g	120 ug/g

**Semi-Volatiles**

Compound	Surrogate	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.093 ug/g	0.093 ug/g
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Benzo [a] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.095 ug/g	0.095 ug/g
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.3 ug/g	0.3 ug/g
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.2 ug/g	0.2 ug/g
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Chrysene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.18 ug/g	0.18 ug/g
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.1 ug/g	0.1 ug/g
Fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.24 ug/g	0.24 ug/g
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
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	<0.02	<0.02	0.05 ug/g	0.05 ug/g
2-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	<0.04	<0.04	<0.04	0.05 ug/g	0.05 ug/g
Naphthalene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2	Criteria:	
Sample Date:	23-Nov-25 09:45	23-Nov-25 08:30	23-Nov-25 08:30	22-Nov-25 15:00	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-07	2548261-09	2548261-10	2548261-12		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Semi-Volatiles**

Phenanthrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.19 ug/g	0.19 ug/g
Pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.19 ug/g	0.19 ug/g
2-Fluorobiphenyl	Surrogate	54.3%	56.9%	67.8%	77.1%	-	-
Terphenyl-d14	Surrogate	75.3%	79.7%	70.1%	52.5%	-	-

**Pesticides, OC**

Aldrin	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
gamma-BHC (Lindane)	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
alpha-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
gamma-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
o,p'-DDD	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDD	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
DDD	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
o,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
o,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.078 ug/g	0.078 ug/g
Dieldrin	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Endrin	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.04 ug/g	0.04 ug/g
Endosulfan I	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
Endosulfan II	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Endosulfan I/II	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.04 ug/g	0.04 ug/g
Heptachlor	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

<b>Client ID:</b>	TP25-02-S3	TP25-03-S2	TP25-03-S3	TP25-04-S2	<b>Criteria:</b>	
<b>Sample Date:</b>	23-Nov-25 09:45	23-Nov-25 08:30	23-Nov-25 08:30	22-Nov-25 15:00	<b>Reg 153/04 -T1 Agr</b>	<b>Reg 406/19 -T1 Agr</b>
<b>Sample ID:</b>	2548261-07	2548261-09	2548261-10	2548261-12		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>MDL/Units</b>						

**Pesticides, OC**

Heptachlor epoxide	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
Hexachlorobenzene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Hexachlorobutadiene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Hexachloroethane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Methoxychlor	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
Decachlorobiphenyl	Surrogate	100%	87.6%	105%	103%	-	-

**PCBs**

PCBs, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.3 ug/g	0.3 ug/g
Decachlorobiphenyl	Surrogate	130%	113%	111%	115%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-04-S3	TP25-05-S1	TP25-05-S2	TP25-06-S1	Criteria:	
Sample Date:	22-Nov-25 15:00	22-Nov-25 14:30	22-Nov-25 14:30	22-Nov-25 10:00	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-13	2548261-14	2548261-15	2548261-17		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Physical Characteristics**

% Solids	0.1 % by Wt.	82.6	83.0	82.8	79.9	-	-
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**General Inorganics**

SAR	0.01 N/A	0.12	0.18	0.18	0.18	1 N/A	1 N/A
Conductivity	5 uS/cm	110	44	99	189	0.47 mS/cm	0.47 mS/cm
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	0.051 ug/g	0.051 ug/g
pH	0.05 pH Units	7.63	6.64	7.64	6.64	5.00 - 9.00 pH units	-

**Metals**

Antimony	1.0 ug/g	<1.0	<1.0	<1.0	15.7	1 ug/g	1 ug/g
Arsenic	1.0 ug/g	1.1	<1.0	1.3	181	11 ug/g	11 ug/g
Barium	1.0 ug/g	40.0	33.2	32.2	114	210 ug/g	210 ug/g
Beryllium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	2.5 ug/g	2.5 ug/g
Boron, available	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	-	-
Boron	5.0 ug/g	<5.0	<5.0	<5.0	8.4	36 ug/g	36 ug/g
Cadmium	0.5 ug/g	<0.5	<0.5	<0.5	13.1	1 ug/g	1 ug/g
Chromium	5.0 ug/g	32.2	21.7	31.0	88.6	67 ug/g	67 ug/g
Chromium (VI)	0.2 ug/g	0.3	0.4	0.2	<0.2	0.66 ug/g	0.66 ug/g
Cobalt	1.0 ug/g	5.0	4.4	4.8	32.0	19 ug/g	19 ug/g
Copper	5.0 ug/g	10.3	<5.0	8.9	7830	62 ug/g	62 ug/g
Lead	1.0 ug/g	2.8	2.2	2.8	484	45 ug/g	45 ug/g
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	0.7	0.16 ug/g	0.16 ug/g
Molybdenum	1.0 ug/g	<1.0	<1.0	<1.0	38.3	2 ug/g	2 ug/g
Nickel	5.0 ug/g	16.7	10.6	16.9	75.9	37 ug/g	37 ug/g
Selenium	1.0 ug/g	<1.0	<1.0	<1.0	9.1	1.2 ug/g	1.2 ug/g
Silver	0.3 ug/g	<0.3	<0.3	<0.3	35.0	0.5 ug/g	0.5 ug/g
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1 ug/g	1 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-04-S3	TP25-05-S1	TP25-05-S2	TP25-06-S1	Criteria:	
Sample Date:	22-Nov-25 15:00	22-Nov-25 14:30	22-Nov-25 14:30	22-Nov-25 10:00	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-13	2548261-14	2548261-15	2548261-17		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Metals**

Uranium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1.9 ug/g	1.9 ug/g
Vanadium	10.0 ug/g	24.2	16.9	23.8	26.3	86 ug/g	86 ug/g
Zinc	20.0 ug/g	<20.0	<20.0	<20.0	2010	290 ug/g	290 ug/g

**Volatiles**

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-04-S3	TP25-05-S1	TP25-05-S2	TP25-06-S1	Criteria:	
Sample Date:	22-Nov-25 15:00	22-Nov-25 14:30	22-Nov-25 14:30	22-Nov-25 10:00	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-13	2548261-14	2548261-15	2548261-17		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Volatiles**

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.2 ug/g	0.2 ug/g
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	<0.05	0.07	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	0.07	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	<0.05	0.14	0.05 ug/g	0.05 ug/g
4-Bromofluorobenzene	Surrogate	126%	122%	125%	124%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-04-S3	TP25-05-S1	TP25-05-S2	TP25-06-S1	Criteria:	
Sample Date:	22-Nov-25 15:00	22-Nov-25 14:30	22-Nov-25 14:30	22-Nov-25 10:00	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-13	2548261-14	2548261-15	2548261-17		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Volatiles**

Dibromofluoromethane	Surrogate	125%	120%	123%	124%	-	-
Toluene-d8	Surrogate	112%	109%	112%	112%	-	-

**Hydrocarbons**

F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	<7	17 ug/g	17 ug/g
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	9	10 ug/g	10 ug/g
F3 PHCs (C16-C34)	8 ug/g	<8	<8	<8	539	240 ug/g	240 ug/g
F4 PHCs (C34-C50)	6 ug/g	<6	<6	<6	209	120 ug/g	120 ug/g

**Semi-Volatiles**

Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	0.03	0.093 ug/g	0.093 ug/g
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	0.07	0.05 ug/g	0.05 ug/g
Benzo [a] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	0.06	0.095 ug/g	0.095 ug/g
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	0.08	0.05 ug/g	0.05 ug/g
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	0.24	0.3 ug/g	0.3 ug/g
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	<0.02	0.13	0.2 ug/g	0.2 ug/g
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	0.09	0.05 ug/g	0.05 ug/g
Chrysene	0.02 ug/g	<0.02	<0.02	<0.02	0.09	0.18 ug/g	0.18 ug/g
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.1 ug/g	0.1 ug/g
Fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	0.15	0.24 ug/g	0.24 ug/g
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	0.12	-	-
1-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	0.10	0.05 ug/g	0.05 ug/g
2-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	0.14	0.05 ug/g	0.05 ug/g
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	<0.04	<0.04	0.24	0.05 ug/g	0.05 ug/g
Naphthalene	0.01 ug/g	<0.01	<0.01	<0.01	0.09	0.05 ug/g	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-04-S3	TP25-05-S1	TP25-05-S2	TP25-06-S1	Criteria:	
Sample Date:	22-Nov-25 15:00	22-Nov-25 14:30	22-Nov-25 14:30	22-Nov-25 10:00	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-13	2548261-14	2548261-15	2548261-17		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Semi-Volatiles**

Phenanthrene	0.02 ug/g	<0.02	<0.02	<0.02	0.14	0.19 ug/g	0.19 ug/g
Pyrene	0.02 ug/g	<0.02	<0.02	<0.02	0.13	0.19 ug/g	0.19 ug/g
2-Fluorobiphenyl	Surrogate	50.1%	51.5%	51.2%	59.1%	-	-
Terphenyl-d14	Surrogate	83.5%	62.0%	78.5%	65.2%	-	-

**Pesticides, OC**

Aldrin	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
gamma-BHC (Lindane)	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
alpha-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
gamma-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
o,p'-DDD	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDD	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
DDD	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
o,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
o,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.078 ug/g	0.078 ug/g
Dieldrin	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Endrin	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.04 ug/g	0.04 ug/g
Endosulfan I	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
Endosulfan II	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Endosulfan I/II	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.04 ug/g	0.04 ug/g
Heptachlor	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

<b>Client ID:</b>	TP25-04-S3	TP25-05-S1	TP25-05-S2	TP25-06-S1	<b>Criteria:</b>	
<b>Sample Date:</b>	22-Nov-25 15:00	22-Nov-25 14:30	22-Nov-25 14:30	22-Nov-25 10:00	<b>Reg 153/04 -T1 Agr</b>	<b>Reg 406/19 -T1 Agr</b>
<b>Sample ID:</b>	2548261-13	2548261-14	2548261-15	2548261-17		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>MDL/Units</b>						

**Pesticides, OC**

Heptachlor epoxide	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
Hexachlorobenzene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Hexachlorobutadiene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Hexachloroethane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Methoxychlor	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
Decachlorobiphenyl	Surrogate	88.9%	98.8%	98.0%	126%	-	-

**PCBs**

PCBs, total	0.05 ug/g	<0.05	<0.05	<0.05	0.21	0.3 ug/g	0.3 ug/g
Decachlorobiphenyl	Surrogate	111%	126%	126%	137%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-07-S1	TP25-08-S1	TP25-09-S1	TP25-10-S1	Criteria:	
Sample Date:	22-Nov-25 10:30	22-Nov-25 11:00	22-Nov-25 11:15	22-Nov-25 11:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-18	2548261-19	2548261-20	2548261-21		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Physical Characteristics**

% Solids	0.1 % by Wt.	69.7	68.6	79.0	80.5	-	-
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**General Inorganics**

SAR	0.01 N/A	0.11	0.12	0.16	0.12	1 N/A	1 N/A
Conductivity	5 uS/cm	189	208	62	99	0.47 mS/cm	0.47 mS/cm
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	0.051 ug/g	0.051 ug/g
pH	0.05 pH Units	6.46	6.08	5.88	6.99	5.00 - 9.00 pH units	-

**Metals**

Antimony	1.0 ug/g	5.7	3.1	<1.0	<1.0	1 ug/g	1 ug/g
Arsenic	1.0 ug/g	78.4	70.7	2.6	2.6	11 ug/g	11 ug/g
Barium	1.0 ug/g	54.1	50.7	14.3	22.3	210 ug/g	210 ug/g
Beryllium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	2.5 ug/g	2.5 ug/g
Boron, available	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	-	-
Boron	5.0 ug/g	<5.0	<5.0	<5.0	<5.0	36 ug/g	36 ug/g
Cadmium	0.5 ug/g	5.9	10.1	1.1	<0.5	1 ug/g	1 ug/g
Chromium	5.0 ug/g	40.5	24.5	11.8	16.5	67 ug/g	67 ug/g
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	<0.2	0.66 ug/g	0.66 ug/g
Cobalt	1.0 ug/g	15.5	44.6	8.4	3.1	19 ug/g	19 ug/g
Copper	5.0 ug/g	1390	2130	176	31.2	62 ug/g	62 ug/g
Lead	1.0 ug/g	241	163	4.1	4.0	45 ug/g	45 ug/g
Mercury	0.1 ug/g	0.3	0.2	<0.1	<0.1	0.16 ug/g	0.16 ug/g
Molybdenum	1.0 ug/g	4.6	3.4	<1.0	<1.0	2 ug/g	2 ug/g
Nickel	5.0 ug/g	42.5	48.2	8.4	8.6	37 ug/g	37 ug/g
Selenium	1.0 ug/g	5.5	3.6	<1.0	<1.0	1.2 ug/g	1.2 ug/g
Silver	0.3 ug/g	20.3	10.9	0.4	0.3	0.5 ug/g	0.5 ug/g
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1 ug/g	1 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-07-S1	TP25-08-S1	TP25-09-S1	TP25-10-S1	Criteria:	
Sample Date:	22-Nov-25 10:30	22-Nov-25 11:00	22-Nov-25 11:15	22-Nov-25 11:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-18	2548261-19	2548261-20	2548261-21		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Metals**

Uranium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1.9 ug/g	1.9 ug/g
Vanadium	10.0 ug/g	26.3	20.4	10.3	14.4	86 ug/g	86 ug/g
Zinc	20.0 ug/g	748	678	97.4	309	290 ug/g	290 ug/g

**Volatiles**

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-07-S1	TP25-08-S1	TP25-09-S1	TP25-10-S1	Criteria:	
Sample Date:	22-Nov-25 10:30	22-Nov-25 11:00	22-Nov-25 11:15	22-Nov-25 11:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-18	2548261-19	2548261-20	2548261-21		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Volatiles**

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.2 ug/g	0.2 ug/g
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
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	0.05 ug/g	0.05 ug/g
4-Bromofluorobenzene	Surrogate	131%	124%	123%	122%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-07-S1	TP25-08-S1	TP25-09-S1	TP25-10-S1	Criteria:	
Sample Date:	22-Nov-25 10:30	22-Nov-25 11:00	22-Nov-25 11:15	22-Nov-25 11:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-18	2548261-19	2548261-20	2548261-21		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Volatiles**

Toluene-d8	Surrogate	119%	114%	112%	110%	-	-
Dibromofluoromethane	Surrogate	128%	121%	121%	118%	-	-

**Hydrocarbons**

F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	<7	17 ug/g	17 ug/g
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	<4	10 ug/g	10 ug/g
F3 PHCs (C16-C34)	8 ug/g	301	161	<8	<8	240 ug/g	240 ug/g
F4 PHCs (C34-C50)	6 ug/g	91	71	<6	<6	120 ug/g	120 ug/g

**Semi-Volatiles**

Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.093 ug/g	0.093 ug/g
Anthracene	0.02 ug/g	0.03	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Benzo [a] anthracene	0.02 ug/g	0.05	<0.02	<0.02	<0.02	0.095 ug/g	0.095 ug/g
Benzo [a] pyrene	0.02 ug/g	0.03	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Benzo [b] fluoranthene	0.02 ug/g	0.11	0.07	<0.02	<0.02	0.3 ug/g	0.3 ug/g
Benzo [g,h,i] perylene	0.02 ug/g	0.04	<0.02	<0.02	<0.02	0.2 ug/g	0.2 ug/g
Benzo [k] fluoranthene	0.02 ug/g	0.04	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Chrysene	0.02 ug/g	0.31	0.05	<0.02	<0.02	0.18 ug/g	0.18 ug/g
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.1 ug/g	0.1 ug/g
Fluoranthene	0.02 ug/g	0.11	0.05	<0.02	<0.02	0.24 ug/g	0.24 ug/g
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Indeno [1,2,3-cd] pyrene	0.02 ug/g	0.04	<0.02	<0.02	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	0.15	0.12	<0.02	<0.02	0.05 ug/g	0.05 ug/g
2-Methylnaphthalene	0.02 ug/g	0.19	0.14	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Methylnaphthalene (1&2)	0.04 ug/g	0.34	0.27	<0.04	<0.04	0.05 ug/g	0.05 ug/g
Naphthalene	0.01 ug/g	0.12	0.12	<0.01	<0.01	0.05 ug/g	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-07-S1	TP25-08-S1	TP25-09-S1	TP25-10-S1	Criteria:	
Sample Date:	22-Nov-25 10:30	22-Nov-25 11:00	22-Nov-25 11:15	22-Nov-25 11:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-18	2548261-19	2548261-20	2548261-21		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Semi-Volatiles**

Phenanthrene	0.02 ug/g	0.16	0.09	<0.02	<0.02	0.19 ug/g	0.19 ug/g
Pyrene	0.02 ug/g	0.09	0.05	<0.02	<0.02	0.19 ug/g	0.19 ug/g
2-Fluorobiphenyl	Surrogate	62.0%	63.1%	69.0%	66.0%	-	-
Terphenyl-d14	Surrogate	71.9%	66.4%	66.9%	66.1%	-	-

**Pesticides, OC**

Aldrin	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
gamma-BHC (Lindane)	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
alpha-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
gamma-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
o,p'-DDD	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDD	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
DDD	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
o,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
o,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.078 ug/g	0.078 ug/g
Dieldrin	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Endrin	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.04 ug/g	0.04 ug/g
Endosulfan I	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	-
Endosulfan II	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Endosulfan I/II	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.04 ug/g	0.04 ug/g
Heptachlor	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

<b>Client ID:</b>	TP25-07-S1	TP25-08-S1	TP25-09-S1	TP25-10-S1	<b>Criteria:</b>	
<b>Sample Date:</b>	22-Nov-25 10:30	22-Nov-25 11:00	22-Nov-25 11:15	22-Nov-25 11:45	<b>Reg 153/04 -T1 Agr</b>	<b>Reg 406/19 -T1 Agr</b>
<b>Sample ID:</b>	2548261-18	2548261-19	2548261-20	2548261-21		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>MDL/Units</b>						

**Pesticides, OC**

Heptachlor epoxide	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
Hexachlorobenzene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Hexachlorobutadiene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Hexachloroethane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Methoxychlor	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
Decachlorobiphenyl	Surrogate	95.4%	91.5%	89.1%	89.0%	-	-

**PCBs**

PCBs, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.3 ug/g	0.3 ug/g
Decachlorobiphenyl	Surrogate	111%	114%	106%	126%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

<b>Client ID:</b>	TP25-11-S1	TP25-11-S2	TP25-12-S1	TP25-13-S1	<b>Criteria:</b>	
<b>Sample Date:</b>	22-Nov-25 12:15	22-Nov-25 12:15	22-Nov-25 13:30	23-Nov-25 11:45	<b>Reg 153/04 -T1 Agr</b>	<b>Reg 406/19 -T1 Agr</b>
<b>Sample ID:</b>	2548261-22	2548261-23	2548261-24	2548261-25		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>MDL/Units</b>						

**Physical Characteristics**

% Solids	0.1 % by Wt.	60.3	58.7	76.2	82.1	-	-
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**General Inorganics**

SAR	0.01 N/A	0.11	0.11	0.07	0.14	1 N/A	1 N/A
Conductivity	5 uS/cm	193	203	388	133	0.47 mS/cm	0.47 mS/cm
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	0.051 ug/g	0.051 ug/g
pH	0.05 pH Units	6.55	6.65	7.25	7.59	5.00 - 9.00 pH units	-

**Metals**

Antimony	1.0 ug/g	19.4	15.9	8.5	<1.0	1 ug/g	1 ug/g
Arsenic	1.0 ug/g	373	331	244	1.6	11 ug/g	11 ug/g
Barium	1.0 ug/g	82.6	77.6	117	44.3	210 ug/g	210 ug/g
Beryllium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	2.5 ug/g	2.5 ug/g
Boron	5.0 ug/g	5.5	10.6	7.6	5.9	36 ug/g	36 ug/g
Boron, available	0.5 ug/g	<0.5	0.6	<0.5	<0.5	-	-
Cadmium	0.5 ug/g	9.0	8.5	1.6	<0.5	1 ug/g	1 ug/g
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	<0.2	0.66 ug/g	0.66 ug/g
Chromium	5.0 ug/g	40.3	42.5	15.4	39.4	67 ug/g	67 ug/g
Cobalt	1.0 ug/g	48.0	36.2	6.3	6.2	19 ug/g	19 ug/g
Copper	5.0 ug/g	3970	4410	798	15.0	62 ug/g	62 ug/g
Lead	1.0 ug/g	1490	971	467	5.1	45 ug/g	45 ug/g
Mercury	0.1 ug/g	1.1	1.0	1.4	<0.1	0.16 ug/g	0.16 ug/g
Molybdenum	1.0 ug/g	8.3	8.0	13.9	<1.0	2 ug/g	2 ug/g
Nickel	5.0 ug/g	56.5	51.2	15.2	20.3	37 ug/g	37 ug/g
Selenium	1.0 ug/g	11.6	10.8	50.9	<1.0	1.2 ug/g	1.2 ug/g
Silver	0.3 ug/g	21.0	27.1	46.2	<0.3	0.5 ug/g	0.5 ug/g
Thallium	1.0 ug/g	<1.0	<1.0	1.4	<1.0	1 ug/g	1 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-11-S1	TP25-11-S2	TP25-12-S1	TP25-13-S1	Criteria:	
Sample Date:	22-Nov-25 12:15	22-Nov-25 12:15	22-Nov-25 13:30	23-Nov-25 11:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-22	2548261-23	2548261-24	2548261-25		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Metals**

Uranium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1.9 ug/g	1.9 ug/g
Vanadium	10.0 ug/g	21.8	22.6	28.4	28.0	86 ug/g	86 ug/g
Zinc	20.0 ug/g	1550	1500	454	28.0	290 ug/g	290 ug/g

**Volatiles**

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Benzene	0.02 ug/g	<0.02	<0.02	0.33	<0.02	0.02 ug/g	0.02 ug/g
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-11-S1	TP25-11-S2	TP25-12-S1	TP25-13-S1	Criteria:	
Sample Date:	22-Nov-25 12:15	22-Nov-25 12:15	22-Nov-25 13:30	23-Nov-25 11:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-22	2548261-23	2548261-24	2548261-25		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Volatiles**

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Ethylbenzene	0.05 ug/g	<0.05	<0.05	0.76	<0.05	0.05 ug/g	0.05 ug/g
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	0.5 ug/g	0.5 ug/g
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Toluene	0.05 ug/g	0.13	0.20	2.50	<0.05	0.2 ug/g	0.2 ug/g
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	0.05 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	0.02 ug/g
m,p-Xylenes	0.05 ug/g	0.15	0.24	3.11	<0.05	-	-
o-Xylene	0.05 ug/g	0.13	0.21	2.72	<0.05	-	-
Xylenes, total	0.05 ug/g	0.28	0.45	5.83	<0.05	0.05 ug/g	0.05 ug/g
Toluene-d8	Surrogate	122%	122%	115%	113%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-11-S1	TP25-11-S2	TP25-12-S1	TP25-13-S1	Criteria:	
Sample Date:	22-Nov-25 12:15	22-Nov-25 12:15	22-Nov-25 13:30	23-Nov-25 11:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-22	2548261-23	2548261-24	2548261-25		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Volatiles**

Dibromofluoromethane	Surrogate	135%	135%	117%	123%	-	-
4-Bromofluorobenzene	Surrogate	135%	135%	119%	123%	-	-

**Hydrocarbons**

F1 PHCs (C6-C10)	7 ug/g	<7	<7	25	<7	17 ug/g	17 ug/g
F2 PHCs (C10-C16)	4 ug/g	11	<4	49	<4	10 ug/g	10 ug/g
F3 PHCs (C16-C34)	8 ug/g	506	555	138	<8	240 ug/g	240 ug/g
F4 PHCs (C34-C50)	6 ug/g	218	252	35	<6	120 ug/g	120 ug/g

**Semi-Volatiles**

Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Acenaphthylene	0.02 ug/g	0.09	0.05	0.04	<0.02	0.093 ug/g	0.093 ug/g
Anthracene	0.02 ug/g	0.25	0.13	0.10	<0.02	0.05 ug/g	0.05 ug/g
Benzo [a] anthracene	0.02 ug/g	0.10	0.07	0.15	<0.02	0.095 ug/g	0.095 ug/g
Benzo [a] pyrene	0.02 ug/g	0.55	0.06	0.09	<0.02	0.05 ug/g	0.05 ug/g
Benzo [b] fluoranthene	0.02 ug/g	0.64	0.19	0.12	<0.02	0.3 ug/g	0.3 ug/g
Benzo [g,h,i] perylene	0.02 ug/g	0.41	0.10	0.06	<0.02	0.2 ug/g	0.2 ug/g
Benzo [k] fluoranthene	0.02 ug/g	0.21	0.08	0.04	<0.02	0.05 ug/g	0.05 ug/g
Chrysene	0.02 ug/g	0.12	0.10	0.17	<0.02	0.18 ug/g	0.18 ug/g
Dibenzo [a,h] anthracene	0.02 ug/g	0.08	<0.02	<0.02	<0.02	0.1 ug/g	0.1 ug/g
Fluoranthene	0.02 ug/g	0.25	0.21	0.21	<0.02	0.24 ug/g	0.24 ug/g
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g	0.05 ug/g
Indeno [1,2,3-cd] pyrene	0.02 ug/g	0.43	0.10	0.04	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	0.49	0.34	2.04	<0.02	0.05 ug/g	0.05 ug/g
2-Methylnaphthalene	0.02 ug/g	0.63	0.39	2.55	<0.02	0.05 ug/g	0.05 ug/g
Methylnaphthalene (1&2)	0.04 ug/g	1.12	0.74	4.59	<0.04	0.05 ug/g	0.05 ug/g
Naphthalene	0.01 ug/g	0.53	0.33	1.95	<0.01	0.05 ug/g	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	TP25-11-S1	TP25-11-S2	TP25-12-S1	TP25-13-S1	Criteria:	
Sample Date:	22-Nov-25 12:15	22-Nov-25 12:15	22-Nov-25 13:30	23-Nov-25 11:45	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Sample ID:	2548261-22	2548261-23	2548261-24	2548261-25		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

**Semi-Volatiles**

	TP25-11-S1	TP25-11-S2	TP25-12-S1	TP25-13-S1	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Phenanthrene	0.02 ug/g	0.31	0.32	1.06	<0.02	0.19 ug/g
Pyrene	0.02 ug/g	0.23	0.16	0.22	<0.02	0.19 ug/g
2-Fluorobiphenyl	Surrogate	96.2%	72.5%	84.1%	68.4%	-
Terphenyl-d14	Surrogate	84.0%	68.6%	77.2%	70.2%	-

**Pesticides, OC**

	TP25-11-S1	TP25-11-S2	TP25-12-S1	TP25-13-S1	Reg 153/04 -T1 Agr	Reg 406/19 -T1 Agr
Aldrin	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g
gamma-BHC (Lindane)	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-
alpha-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-
gamma-Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-
Chlordane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g
o,p'-DDD	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-
p,p'-DDD	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-
DDD	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g
o,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-
p,p'-DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-
DDE	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g
o,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-
p,p'-DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-
DDT	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.078 ug/g
Dieldrin	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.05 ug/g
Endrin	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.04 ug/g
Endosulfan I	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	-
Endosulfan II	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-
Endosulfan I/II	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.04 ug/g
Heptachlor	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

<b>Client ID:</b>	TP25-11-S1	TP25-11-S2	TP25-12-S1	TP25-13-S1	<b>Criteria:</b>	
<b>Sample Date:</b>	22-Nov-25 12:15	22-Nov-25 12:15	22-Nov-25 13:30	23-Nov-25 11:45	<b>Reg 153/04 -T1 Agr</b>	<b>Reg 406/19 -T1 Agr</b>
<b>Sample ID:</b>	2548261-22	2548261-23	2548261-24	2548261-25		
<b>Matrix:</b>	Soil	Soil	Soil	Soil		
<b>MDL/Units</b>						

**Pesticides, OC**

Heptachlor epoxide	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
Hexachlorobenzene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Hexachlorobutadiene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Hexachloroethane	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.01 ug/g	0.01 ug/g
Methoxychlor	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.05 ug/g	0.05 ug/g
Decachlorobiphenyl	Surrogate	82.4%	95.5%	87.7%	93.7%	-	-

**PCBs**

PCBs, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.3 ug/g	0.3 ug/g
Decachlorobiphenyl	Surrogate	107%	103%	104%	131%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Blank**

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>General Inorganics</b>								
Conductivity	ND	5	uS/cm					
Cyanide, free	ND	0.03	ug/g					
<b>Hydrocarbons</b>								
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					
<b>Metals</b>								
Boron, available	ND	0.5	ug/g					
Chromium (VI)	ND	0.2	ug/g					
Mercury	ND	0.1	ug/g					
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					
<b>PCBs</b>								
PCBs, total	ND	0.05	ug/g					
Surrogate: Decachlorobiphenyl	0.0543		%	109	60-140			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Blank**

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>Pesticides, OC</b>								
Aldrin	ND	0.01	ug/g					
gamma-BHC (Lindane)	ND	0.01	ug/g					
alpha-Chlordane	ND	0.01	ug/g					
gamma-Chlordane	ND	0.01	ug/g					
Chlordane	ND	0.01	ug/g					
o,p'-DDD	ND	0.01	ug/g					
p,p'-DDD	ND	0.02	ug/g					
DDD	ND	0.02	ug/g					
o,p'-DDE	ND	0.01	ug/g					
p,p'-DDE	ND	0.01	ug/g					
DDE	ND	0.01	ug/g					
o,p'-DDT	ND	0.01	ug/g					
p,p'-DDT	ND	0.01	ug/g					
DDT	ND	0.01	ug/g					
Dieldrin	ND	0.02	ug/g					
Endrin	ND	0.02	ug/g					
Endosulfan I	ND	0.01	ug/g					
Endosulfan II	ND	0.02	ug/g					
Endosulfan I/II	ND	0.02	ug/g					
Heptachlor	ND	0.01	ug/g					
Heptachlor epoxide	ND	0.01	ug/g					
Hexachlorobenzene	ND	0.01	ug/g					
Hexachlorobutadiene	ND	0.01	ug/g					
Hexachloroethane	ND	0.01	ug/g					
Methoxychlor	ND	0.01	ug/g					
Surrogate: Decachlorobiphenyl	0.0560		%	112	50-140			
<b>Semi-Volatiles</b>								
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					

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Blank**

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
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	0.935		%	70.1	50-140			
Surrogate: Terphenyl-d14	0.899		%	67.4	50-140			
<b>Volatiles</b>								
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					
1,2-Dichloroethane	ND	0.05	ug/g					

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Blank**

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
1,1-Dichloroethylene	ND	0.05	ug/g					
cis-1,2-Dichloroethylene	ND	0.05	ug/g					
trans-1,2-Dichloroethylene	ND	0.05	ug/g					
1,2-Dichloropropane	ND	0.05	ug/g					
cis-1,3-Dichloropropylene	ND	0.05	ug/g					
trans-1,3-Dichloropropylene	ND	0.05	ug/g					
1,3-Dichloropropene, total	ND	0.05	ug/g					
Ethylbenzene	ND	0.05	ug/g					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g					
Hexane	ND	0.05	ug/g					
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g					
Methyl Isobutyl Ketone	ND	0.50	ug/g					
Methyl tert-butyl ether	ND	0.05	ug/g					
Methylene Chloride	ND	0.05	ug/g					
Styrene	ND	0.05	ug/g					
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g					
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g					
Tetrachloroethylene	ND	0.05	ug/g					
Toluene	ND	0.05	ug/g					
1,1,1-Trichloroethane	ND	0.05	ug/g					
1,1,2-Trichloroethane	ND	0.05	ug/g					
Trichloroethylene	ND	0.05	ug/g					
Trichlorofluoromethane	ND	0.05	ug/g					
Vinyl chloride	ND	0.02	ug/g					
m,p-Xylenes	ND	0.05	ug/g					
o-Xylene	ND	0.05	ug/g					
Xylenes, total	ND	0.05	ug/g					
Surrogate: 4-Bromofluorobenzene	8.74		%	109	50-140			
Surrogate: Dibromofluoromethane	9.68		%	121	50-140			
Surrogate: Toluene-d8	8.11		%	101	50-140			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Duplicate**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>General Inorganics</b>									
SAR	0.17	0.01	N/A	0.17			0.0	30	
Conductivity	124	5	uS/cm	120			3.8	5	
Cyanide, free	ND	0.03	ug/g	ND			NC	35	
pH	7.56	0.05	pH Units	7.53			0.4	2.3	
<b>Hydrocarbons</b>									
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	ND			NC	30	
F4 PHCs (C34-C50)	ND	6	ug/g	ND			NC	30	
<b>Metals</b>									
Antimony	ND	1.0	ug/g	ND			NC	30	
Arsenic	1.4	1.0	ug/g	1.4			4.1	30	
Barium	60.0	1.0	ug/g	57.3			4.6	30	
Beryllium	ND	0.5	ug/g	ND			NC	30	
Boron, available	ND	0.5	ug/g	ND			NC	35	
Boron	7.5	5.0	ug/g	7.2			3.3	30	
Cadmium	ND	0.5	ug/g	ND			NC	30	
Chromium (VI)	0.2	0.2	ug/g	0.2			13.3	35	
Chromium	45.3	5.0	ug/g	43.8			3.5	30	
Cobalt	7.5	1.0	ug/g	7.2			3.7	30	
Copper	14.8	5.0	ug/g	13.8			6.9	30	
Lead	4.5	1.0	ug/g	4.4			2.2	30	
Mercury	ND	0.1	ug/g	ND			NC	30	
Molybdenum	ND	1.0	ug/g	ND			NC	30	
Nickel	24.6	5.0	ug/g	23.1			6.5	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	32.2	10.0	ug/g	31.3			2.7	30	

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Duplicate**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Zinc	28.5	20.0	ug/g	29.0			1.5	30	
<b>PCBs</b>									
PCBs, total	ND	0.05	ug/g	ND			NC	40	
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0724</i>		%		<i>120</i>	<i>60-140</i>			
<b>Pesticides, OC</b>									
Aldrin	ND	0.01	ug/g	ND			NC	40	
gamma-BHC (Lindane)	ND	0.01	ug/g	ND			NC	40	
alpha-Chlordane	ND	0.01	ug/g	ND			NC	40	
gamma-Chlordane	ND	0.01	ug/g	ND			NC	40	
o,p'-DDD	ND	0.01	ug/g	ND			NC	40	
p,p'-DDD	ND	0.02	ug/g	ND			NC	40	
o,p'-DDE	ND	0.01	ug/g	ND			NC	40	
p,p'-DDE	ND	0.01	ug/g	ND			NC	40	
o,p'-DDT	ND	0.01	ug/g	ND			NC	40	
p,p'-DDT	ND	0.01	ug/g	ND			NC	40	
Dieldrin	ND	0.02	ug/g	ND			NC	40	
Endrin	ND	0.02	ug/g	ND			NC	40	
Endosulfan I	ND	0.01	ug/g	ND			NC	40	
Endosulfan II	ND	0.02	ug/g	ND			NC	40	
Heptachlor	ND	0.01	ug/g	ND			NC	40	
Heptachlor epoxide	ND	0.01	ug/g	ND			NC	40	
Hexachlorobenzene	ND	0.01	ug/g	ND			NC	40	
Hexachlorobutadiene	ND	0.01	ug/g	ND			NC	40	
Hexachloroethane	ND	0.01	ug/g	ND			NC	40	
Methoxychlor	ND	0.01	ug/g	ND			NC	40	
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0613</i>		%		<i>97.2</i>	<i>50-140</i>			
<b>Physical Characteristics</b>									
% Solids	78.1	0.1	% by Wt.	78.7			0.7	25	
<b>Semi-Volatiles</b>									
Acenaphthene	ND	0.02	ug/g	ND			NC	40	
Acenaphthylene	ND	0.02	ug/g	ND			NC	40	

Certificate of Analysis

Report Date: 02-Dec-2025

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Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Duplicate**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
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	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.902</i>		%		<i>55.3</i>	<i>50-140</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>1.08</i>		%		<i>66.0</i>	<i>50-140</i>			
<b>Volatiles</b>									
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	
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	

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Duplicate**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
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	ND	0.05	ug/g	ND			NC	50	
o-Xylene	ND	0.05	ug/g	ND			NC	50	
Surrogate: 4-Bromofluorobenzene	9.72		%		115	50-140			
Surrogate: Dibromofluoromethane	9.38		%		111	50-140			
Surrogate: Toluene-d8	8.66		%		103	50-140			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Spike**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>General Inorganics</b>									
Cyanide, free	0.132	0.03	ug/g	ND	38.0	50-150			QM-01
<b>Hydrocarbons</b>									
F1 PHCs (C6-C10)	170	7	ug/g	ND	98.9	85-115			
F2 PHCs (C10-C16)	99	4	ug/g	ND	99.5	60-140			
F3 PHCs (C16-C34)	239	8	ug/g	ND	98.7	60-140			
F4 PHCs (C34-C50)	116	6	ug/g	ND	75.9	60-140			
<b>Metals</b>									
Antimony	36.5	1.0	ug/g	ND	72.9	70-130			
Arsenic	45.5	1.0	ug/g	ND	89.8	70-130			
Barium	68.1	1.0	ug/g	22.9	90.4	70-130			
Beryllium	48.2	0.5	ug/g	ND	96.1	70-130			
Boron, available	3.41	0.5	ug/g	ND	68.2	60-140			
Boron	49.0	5.0	ug/g	ND	92.2	70-130			
Cadmium	43.1	0.5	ug/g	ND	86.1	70-130			
Chromium (VI)	5.3	0.2	ug/g	0.2	81.0	48-112			
Chromium	67.2	5.0	ug/g	17.5	99.4	70-130			
Cobalt	49.8	1.0	ug/g	2.9	93.8	70-130			
Copper	50.5	5.0	ug/g	5.5	90.0	70-130			
Lead	43.0	1.0	ug/g	1.8	82.4	70-130			
Mercury	1.44	0.1	ug/g	ND	95.7	70-130			
Molybdenum	46.0	1.0	ug/g	ND	91.8	70-130			
Nickel	54.3	5.0	ug/g	9.2	90.1	70-130			
Selenium	43.6	1.0	ug/g	ND	87.0	70-130			
Silver	35.2	0.3	ug/g	ND	70.4	70-130			
Thallium	42.8	1.0	ug/g	ND	85.5	70-130			
Uranium	44.5	1.0	ug/g	ND	88.7	70-130			
Vanadium	62.7	10.0	ug/g	12.5	100	70-130			
Zinc	53.0	20.0	ug/g	ND	82.8	70-130			
<b>PCBs</b>									
PCBs, total	0.438	0.05	ug/g	ND	90.9	60-140			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Spike**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<i>Surrogate: Decachlorobiphenyl</i>	0.0705		%		117	60-140			
<b>Pesticides, OC</b>									
Aldrin	0.27	0.01	ug/g	ND	109	50-140			
gamma-BHC (Lindane)	0.27	0.01	ug/g	ND	107	50-140			
alpha-Chlordane	0.26	0.01	ug/g	ND	104	50-140			
gamma-Chlordane	0.26	0.01	ug/g	ND	103	50-140			
o,p'-DDD	0.19	0.01	ug/g	ND	75.8	50-140			
p,p'-DDD	0.30	0.02	ug/g	ND	119	50-140			
o,p'-DDE	0.20	0.01	ug/g	ND	77.9	50-140			
p,p'-DDE	0.26	0.01	ug/g	ND	103	50-140			
o,p'-DDT	0.22	0.01	ug/g	ND	87.2	50-140			
p,p'-DDT	0.33	0.01	ug/g	ND	130	50-140			
Dieldrin	0.15	0.02	ug/g	ND	59.0	50-140			
Endosulfan I	0.30	0.01	ug/g	ND	120	50-140			
Endosulfan II	0.20	0.02	ug/g	ND	80.4	50-140			
Heptachlor	0.35	0.01	ug/g	ND	139	50-140			
Heptachlor epoxide	0.29	0.01	ug/g	ND	114	50-140			
Hexachlorobenzene	0.31	0.01	ug/g	ND	125	50-140			
Hexachlorobutadiene	0.29	0.01	ug/g	ND	116	50-140			
Hexachloroethane	0.30	0.01	ug/g	ND	119	50-140			
Methoxychlor	0.23	0.01	ug/g	ND	93.1	50-140			
<i>Surrogate: Decachlorobiphenyl</i>	0.0671		%		106	50-140			
<b>Semi-Volatiles</b>									
Acenaphthene	0.141	0.02	ug/g	ND	69.1	50-140			
Acenaphthylene	0.140	0.02	ug/g	ND	68.7	50-140			
Anthracene	0.159	0.02	ug/g	ND	78.2	50-140			
Benzo [a] anthracene	0.155	0.02	ug/g	ND	76.1	50-140			
Benzo [a] pyrene	0.135	0.02	ug/g	ND	66.2	50-140			
Benzo [b] fluoranthene	0.155	0.02	ug/g	ND	76.1	50-140			
Benzo [g,h,i] perylene	0.152	0.02	ug/g	ND	74.5	50-140			
Benzo [k] fluoranthene	0.152	0.02	ug/g	ND	74.4	50-140			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Spike**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Chrysene	0.164	0.02	ug/g	ND	80.5	50-140			
Dibenzo [a,h] anthracene	0.158	0.02	ug/g	ND	77.5	50-140			
Fluoranthene	0.158	0.02	ug/g	ND	77.7	50-140			
Fluorene	0.142	0.02	ug/g	ND	69.7	50-140			
Indeno [1,2,3-cd] pyrene	0.158	0.02	ug/g	ND	77.7	50-140			
1-Methylnaphthalene	0.117	0.02	ug/g	ND	57.6	50-140			
2-Methylnaphthalene	0.116	0.02	ug/g	ND	57.2	50-140			
Naphthalene	0.103	0.01	ug/g	ND	50.3	50-140			
Phenanthrene	0.163	0.02	ug/g	ND	79.9	50-140			
Pyrene	0.157	0.02	ug/g	ND	77.1	50-140			
Surrogate: 2-Fluorobiphenyl	0.862		%		52.9	50-140			
Surrogate: Terphenyl-d14	1.07		%		65.8	50-140			
<b>Volatiles</b>									
Acetone	11.2	0.50	ug/g	ND	112	50-140			
Benzene	3.84	0.02	ug/g	ND	96.0	60-130			
Bromodichloromethane	4.43	0.05	ug/g	ND	111	60-130			
Bromoform	4.56	0.05	ug/g	ND	114	60-130			
Bromomethane	3.82	0.05	ug/g	ND	95.6	50-140			
Carbon Tetrachloride	4.86	0.05	ug/g	ND	121	60-130			
Chlorobenzene	3.89	0.05	ug/g	ND	97.3	60-130			
Chloroform	4.05	0.05	ug/g	ND	101	60-130			
Dibromochloromethane	4.29	0.05	ug/g	ND	107	60-130			
Dichlorodifluoromethane	3.73	0.05	ug/g	ND	93.1	50-140			
1,2-Dichlorobenzene	4.03	0.05	ug/g	ND	101	60-130			
1,3-Dichlorobenzene	4.20	0.05	ug/g	ND	105	60-130			
1,4-Dichlorobenzene	3.94	0.05	ug/g	ND	98.6	60-130			
1,1-Dichloroethane	3.62	0.05	ug/g	ND	90.5	60-130			
1,2-Dichloroethane	3.92	0.05	ug/g	ND	97.9	60-130			
1,1-Dichloroethylene	3.74	0.05	ug/g	ND	93.4	60-130			
cis-1,2-Dichloroethylene	3.82	0.05	ug/g	ND	95.5	60-130			
trans-1,2-Dichloroethylene	4.06	0.05	ug/g	ND	102	60-130			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Spike**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
1,2-Dichloropropane	4.27	0.05	ug/g	ND	107	60-130			
cis-1,3-Dichloropropylene	4.87	0.05	ug/g	ND	122	60-130			
trans-1,3-Dichloropropylene	4.69	0.05	ug/g	ND	117	60-130			
Ethylbenzene	3.72	0.05	ug/g	ND	93.1	60-130			
Ethylene dibromide (dibromoethane, 1,2-)	4.37	0.05	ug/g	ND	109	60-130			
Hexane	4.37	0.05	ug/g	ND	109	60-130			
Methyl Ethyl Ketone (2-Butanone)	13.8	0.50	ug/g	ND	138	50-140			
Methyl Isobutyl Ketone	10.5	0.50	ug/g	ND	105	50-140			
Methyl tert-butyl ether	13.0	0.05	ug/g	ND	130	50-140			
Methylene Chloride	3.71	0.05	ug/g	ND	92.9	60-130			
Styrene	4.22	0.05	ug/g	ND	106	60-130			
1,1,1,2-Tetrachloroethane	4.91	0.05	ug/g	ND	123	60-130			
1,1,2,2-Tetrachloroethane	3.88	0.05	ug/g	ND	97.0	60-130			
Tetrachloroethylene	3.35	0.05	ug/g	ND	83.8	60-130			
Toluene	3.97	0.05	ug/g	ND	99.4	60-130			
1,1,1-Trichloroethane	5.03	0.05	ug/g	ND	126	60-130			
1,1,2-Trichloroethane	4.84	0.05	ug/g	ND	121	60-130			
Trichloroethylene	4.67	0.05	ug/g	ND	117	60-130			
Trichlorofluoromethane	4.24	0.05	ug/g	ND	106	50-140			
Vinyl chloride	3.37	0.02	ug/g	ND	84.2	50-140			
m,p-Xylenes	7.51	0.05	ug/g	ND	93.9	60-130			
o-Xylene	3.80	0.05	ug/g	ND	94.9	60-130			
Surrogate: 4-Bromofluorobenzene	9.15		%		114	50-140			
Surrogate: Dibromofluoromethane	8.37		%		105	50-140			
Surrogate: Toluene-d8	7.90		%		98.8	50-140			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Qualifier Notes:**

**QC Qualifiers:**

QM-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

**Sample Data Revisions:**

None

**Work Order Revisions / Comments:**

None

**Other Report Notes:**

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

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

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

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

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

*CCME PHC additional information:*

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

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



Parcel ID: 2548261



Office  
9 St. Laurent Blvd.  
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749-1947  
www.paracellabs.com  
paracellabs.com

2548261 (Soils), 2548262 (GW)

Parcel Order Number (Lab Use Only)  
2548283 (Sub - Reg 558)  
2548287 (Sub - Reg 106)

Chain Of Custody (Lab Use Only)

Client Name: Hatch Ltd. Project Ref: H377031 Page 1 of 4

Contact Name: Owen Salvucci Quote #: 25-561

Address: 2699 Speakman Drive, Mississauga PO #: Turnaround Time

Telephone: 289-326-1525 E-mail: owen.salvucci@hatch.com

1 day  3 day  
 2 day  Regular  
 Date Required:

REG 153/04		REG 406/19		Other Regulation		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)		Required Analysis																	
<input type="checkbox"/> Table 1	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> Med/Fine	<input type="checkbox"/> REG 558	<input type="checkbox"/> PWQO	<input type="checkbox"/> CCME	<input type="checkbox"/> MISA	Mun: _____	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken		M&I	PHCS	VOCs	PAHs	PCBs	OCPs	mSPLP	TCLP	HOLD	HOLD		
<input type="checkbox"/> Table 2	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Coarse	<input type="checkbox"/> SU - Sani	<input type="checkbox"/> SU - Storm	<input type="checkbox"/> Other:	Date						Time													
<input type="checkbox"/> Table 3	<input type="checkbox"/> Ind/Comm																								
Sample ID/Location Name																									
1	TP25-01-S1							S		2		11/23/25	10:15												
2	TP25-01-S2							S		2		11/23/25	10:15	X	X	X	X	X	X				X		
3	TP25-01-S3							S		2		11/23/25	10:15	X	X	X	X	X	X						
4	TP25-01-S4							S		2		11/23/25	10:15	X	X	X	X	X	X						
5	TP25-02-S1							S		2		11/23/25	9:45	X	X	X	X	X	X						
6	TP25-02-S2							S		2		11/23/25	9:45										X		
7	TP25-02-S3							S		2		11/23/25	9:45	X	X	X	X	X	X						
8	TP25-03-S1							S		2		11/23/25	8:30										X		
9	TP25-03-S2							S		4		11/23/25	8:30	X	X	X	X	X	X						
10	TP25-03-S3							S		2		11/23/25	8:30	X	X	X	X	X	X						

Comments: For mSPLP analysis, please test for metals, VOCs, OCPs, ABNs. For TCLP analysis please test for M&I, PAHs, VOCs, PCBs, OCPs, ignitability. Please compare soil results to all REG 153/04 and 406/19 tables.

Method of Delivery: FEDEX

Unless otherwise negotiated by the parties, by signing Paracel's Chain of Custody form, you are agreeing to Paracel Laboratories Terms and Conditions and are subject to the terms and conditions thereof. Available at www.paracellabs.com

Relinquished By (Sign): <i>Owen Salvucci</i>	Received at Depot:	Received at Lab: <i>L TJ</i>	Verified By: <i>L TJ</i>
Relinquished By (Print): Owen Salvucci	Date/Time:	Date/Time: <i>27/11/25 11:30</i>	Date/Time: <i>27/11/25 11:40</i>
Date/Time: 11/25/25 15:30	Temperature: °C	Temperature: <i>15.5 / 12.7</i>	pH Verified: <input type="checkbox"/> By:

12-5



Parcel ID: 2548261



Head Office  
22319 St. Laurent Blvd.  
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25482617 - Soils, 262 - GW

<b>Parcel Order Number</b> (Lab Use Only) 283 - Sub Reg 558 287 - Sub Reg 406	<b>Chain Of Custody</b> (Lab Use Only)
--	---

Client Name: Hatch Ltd.	Project Ref: H377031	Page 2 of 4
Contact Name: Owen Salvucci	Quote #: 25-561	<b>Turnaround Time</b> <input type="checkbox"/> 1 day <input type="checkbox"/> 3 day <input type="checkbox"/> 2 day <input checked="" type="checkbox"/> Regular Date Required: _____
Address: 2699 Speakman Drive, Mississauga	PO #:	
Telephone: 289-326-1525	E-mail: owen.salvucci@hatch.com	

<input checked="" type="checkbox"/> REG 153/04 <input checked="" type="checkbox"/> REG 406/19 <b>Other Regulation</b> <input type="checkbox"/> Table 1 <input type="checkbox"/> Agri/Other <input type="checkbox"/> Med/Fine <input type="checkbox"/> REG 558 <input type="checkbox"/> PWQO <input type="checkbox"/> Table 2 <input type="checkbox"/> Res/Park <input type="checkbox"/> Coarse <input type="checkbox"/> CCME <input type="checkbox"/> MISA <input type="checkbox"/> Table 3 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> SU - Sani <input type="checkbox"/> SU - Storm <input type="checkbox"/> Table ALL For RSC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Other: _____	<b>Matrix Type:</b> S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)	<b>Required Analysis</b>																																																																																																																																																																																										
<table border="1"> <thead> <tr> <th rowspan="2">Sample ID/Location Name</th> <th rowspan="2">Matrix</th> <th rowspan="2">Air Volume</th> <th rowspan="2"># of Containers</th> <th rowspan="2">Field Filtered</th> <th colspan="2">Sample Taken</th> <th rowspan="2">M&amp;I</th> <th rowspan="2">PHCS</th> <th rowspan="2">VOCs</th> <th rowspan="2">PAHs</th> <th rowspan="2">PCBs</th> <th rowspan="2">OCPs</th> <th rowspan="2">mSPLP</th> <th rowspan="2">TCLP</th> <th rowspan="2">HOLD</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr><td>1 TP25-04-S1</td><td>S</td><td></td><td>2</td><td></td><td>11/22/25</td><td>15:00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2 TP25-04-S2</td><td>S</td><td></td><td>2</td><td></td><td>11/22/25</td><td>15:00</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td></tr> <tr><td>3 TP25-04-S3</td><td>S</td><td></td><td>2</td><td></td><td>11/22/25</td><td>15:00</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td></tr> <tr><td>4 TP25-05-S1</td><td>S</td><td></td><td>2</td><td></td><td>11/22/25</td><td>14:30</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td></tr> <tr><td>5 TP25-05-S2</td><td>S</td><td></td><td>4</td><td></td><td>11/22/25</td><td>14:30</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td></tr> <tr><td>6 TP25-05-S3</td><td>S</td><td></td><td>2</td><td></td><td>11/22/25</td><td>14:30</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td></tr> <tr><td>7 TP25-06-S1</td><td>S</td><td></td><td>2</td><td></td><td>11/22/25</td><td>10:00</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td></tr> <tr><td>8 TP25-07-S1</td><td>S</td><td></td><td>2</td><td></td><td>11/22/25</td><td>10:30</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td></tr> <tr><td>9 TP25-08-S1</td><td>S</td><td></td><td>2</td><td></td><td>11/22/25</td><td>11:00</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td></tr> <tr><td>10 TP25-09-S1</td><td>S</td><td></td><td>4</td><td></td><td>11/22/25</td><td>11:15</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken		M&I	PHCS	VOCs	PAHs	PCBs	OCPs	mSPLP	TCLP	HOLD	Date	Time	1 TP25-04-S1	S		2		11/22/25	15:00											2 TP25-04-S2	S		2		11/22/25	15:00	X	X	X	X	X	X					3 TP25-04-S3	S		2		11/22/25	15:00	X	X	X	X	X	X					4 TP25-05-S1	S		2		11/22/25	14:30	X	X	X	X	X	X					5 TP25-05-S2	S		4		11/22/25	14:30	X	X	X	X	X	X					6 TP25-05-S3	S		2		11/22/25	14:30									X		7 TP25-06-S1	S		2		11/22/25	10:00	X	X	X	X	X	X					8 TP25-07-S1	S		2		11/22/25	10:30	X	X	X	X	X	X					9 TP25-08-S1	S		2		11/22/25	11:00	X	X	X	X	X	X					10 TP25-09-S1	S		4		11/22/25	11:15	X	X	X	X	X	X				
Sample ID/Location Name						Matrix	Air Volume										# of Containers	Field Filtered	Sample Taken		M&I	PHCS	VOCs	PAHs	PCBs	OCPs	mSPLP	TCLP	HOLD																																																																																																																																																															
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1 TP25-04-S1	S		2		11/22/25	15:00																																																																																																																																																																																						
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3 TP25-04-S3	S		2		11/22/25	15:00	X	X	X	X	X	X																																																																																																																																																																																
4 TP25-05-S1	S		2		11/22/25	14:30	X	X	X	X	X	X																																																																																																																																																																																
5 TP25-05-S2	S		4		11/22/25	14:30	X	X	X	X	X	X																																																																																																																																																																																
6 TP25-05-S3	S		2		11/22/25	14:30									X																																																																																																																																																																													
7 TP25-06-S1	S		2		11/22/25	10:00	X	X	X	X	X	X																																																																																																																																																																																
8 TP25-07-S1	S		2		11/22/25	10:30	X	X	X	X	X	X																																																																																																																																																																																
9 TP25-08-S1	S		2		11/22/25	11:00	X	X	X	X	X	X																																																																																																																																																																																
10 TP25-09-S1	S		4		11/22/25	11:15	X	X	X	X	X	X																																																																																																																																																																																

Comments: For mSPLP analysis, please test for metals, VOCs, OCPs, ABNs. For TCLP analysis please test for M&I, PAHs, VOCs, PCBs, OCPs, ignitability. Please compare soil results to all REG 153/04 and 406/19 tables.

Method of Delivery: FEDEX

Relinquished By (Sign): <i>Owen Salvucci</i>	Received at Depot:	Received at Lab: <i>LTI</i>	Verified By: <i>LTI</i>
Relinquished By (Print): Owen Salvucci	Date/Time:	Date/Time: <i>27/11/25, 11:30</i>	Date/Time: <i>27/11/25, 11:30</i>
Date/Time: 11/25/25 15:30	Temperature: _____ °C	Temperature: <i>15.5, 12.7,</i>	pH Verified: <input type="checkbox"/> By: _____

62-5



Parcel ID: 2548261



Head Office  
300-2319 St. Laurent Blvd.  
Ottawa, Ontario K1G 4J8  
1-800-749-1947  
parcel@paracellabs.com  
www.paracellabs.com

2548261 (Soils), 262-GW  
Parcel Order Number  
(Lab Use Only)  
283 - Reg 558 Sub  
287 - Reg 406 Sub

Chain Of Custody  
(Lab Use Only)

Client Name: Hatch Ltd. Project Ref: H377031 Page 3 of 4  
 Contact Name: Owen Salvucci Quote #: 25-561  
 Address: 2699 Speakman Drive, Mississauga PO #: Turnaround Time  
 Telephone: 289-326-1525 E-mail: owen.salvucci@hatch.com  
 1 day  3 day  
 2 day  Regular  
 Date Required: \_\_\_\_\_

<input checked="" type="checkbox"/> REG 153/04 <input checked="" type="checkbox"/> REG 406/19    Other Regulation		Matrix Type: S (Soil/Sed.) GW (Ground Water)		Required Analysis												
<input type="checkbox"/> Table 1 <input type="checkbox"/> Agri/Other <input type="checkbox"/> Med/Fine <input type="checkbox"/> Table 2 <input type="checkbox"/> Res/Park <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Table ALL For RSC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> REG 558 <input type="checkbox"/> PWQO <input type="checkbox"/> CCME <input type="checkbox"/> MISA <input type="checkbox"/> SU - Sani <input type="checkbox"/> SU - Storm Mun: _____ <input type="checkbox"/> Other: _____		SW (Surface Water) SS (Storm/Sanitary Sewer)												
Sample ID/Location Name		Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken		M&I	PHCs	VOCs	PAHs	PCBs	OCPs	mSPLP	TCLP	HOLD
						Date	Time									
1	TP25-10-S1	S		2		11/22/25	11:45	X	X	X	X	X	X			
2	TP25-11-S1	S		2		11/22/25	12:15	X	X	X	X	X	X			
3	TP25-11-S2	S		2		11/22/25	12:15	X	X	X	X	X	X			
4	TP25-12-S1	S		2		11/22/25	13:30	X	X	X	X	X	X			
5	TP25-13-S1	S		2		11/23/25	11:45	X	X	X	X	X	X			
6	TCLP-01	S		2		11/22/25	17:00								X	
7	TCLP-02	S		2		11/23/25	17:00								X	
8																
9																
10																

Comments: For mSPLP analysis, please test for metals, VOCs, OCPs, ABNs. For TCLP analysis please test for M&I, PAHs, VOCs, PCBs, OCPs, ignitability. Please compare soil results to all REG 153/04 and 406/19 tables. Method of Delivery: FEDEX

Unless otherwise negotiated by the parties, by signing Parcel's Chain of Custody form, you are agreeing to Parcel Laboratories Terms and Conditions and are subject to the terms and conditions thereof. Available at www.paracellabs.com

Relinquished By (Sign): <i>Owen Salvucci</i>	Received at Depot:	Received at Lab: <i>LIT</i>	Verified By: <i>LIT</i>
Relinquished By (Print): Owen Salvucci	Date/Time:	Date/Time: <i>27/11/25; 11:30</i>	Date/Time: <i>27/11/25; 11:40</i>
Date/Time: 11/25/25 15:30	Temperature: °C	Temperature: <i>15.5, 12.7</i>	pH Verified: <input type="checkbox"/> By:

12.5



Parcel ID: 2548261



Office  
119 St. Laurent Blvd.  
1, Ontario K1G 4J8  
90-749-1947  
office@paracelabs.com  
paracelabs.com

2548261-Soils, 262-GW  
Parcel Order Number  
(Lab Use Only)  
283- Sub-Reg #558  
287- " Reg 406  
Chain Of Custody  
(Lab Use Only)  
Page 4 of 4

Client Name: Hatch Ltd.	Project Ref: H377031	Turnaround Time <input type="checkbox"/> 1 day <input type="checkbox"/> 3 day <input type="checkbox"/> 2 day <input checked="" type="checkbox"/> Regular Date Required: _____
Contact Name: Owen Salvucci	Quote #: 25-561	
Address: 2699 Speakman Drive, Mississauga	PO #: E-mail: owen.salvucci@hatch.com	
Telephone: 289-326-1525		

<input checked="" type="checkbox"/> REG 153/04 <input type="checkbox"/> REG 406/19    Other Regulation <input type="checkbox"/> Table 1 <input type="checkbox"/> Agri/Other <input type="checkbox"/> Med/Fine <input type="checkbox"/> REG 558 <input checked="" type="checkbox"/> PWQO <input type="checkbox"/> Table 2 <input type="checkbox"/> Res/Park <input type="checkbox"/> Coarse <input type="checkbox"/> CCME <input type="checkbox"/> MISA <input type="checkbox"/> Table 3 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> SU - Sani <input type="checkbox"/> SU - Storm <input type="checkbox"/> Table ALL For RSC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Other: _____		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)		Required Analysis															
Sample ID/Location Name	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken		M&I	PHCS	VOCs	PAHS	PCBS	OCP							
					Date	Time													
1 BH25-01	GW		12	N	11/24/25	10:00	X	X	X	X	X	X							
2 BH25-02	GW		12	Y	11/24/25	12:00	X	X	X	X	X	X							
3 BH25-03	GW		12	Y	11/24/25	14:00	X	X	X	X	X	X							
4 DUP-01	GW		12	N	11/24/25	10:00	X	X	X	X	X	X							
5																			
6																			
7																			
8																			
9																			
10																			

Comments: Please compare groundwater results to all REG 153/04 and PWQO tables. Method of Delivery: FEDEX

Unless otherwise negotiated by the parties, by signing Paracel's Chain of Custody form, you are agreeing to Paracel Laboratories Terms and Conditions and are subject to the terms and conditions thereof. Available at www.paracelabs.com

Relinquished By (Sign): <i>Owen Salvucci</i>	Received at Depot:	Received at Lab: LTT	Verified By: LTT
Relinquished By (Print): Owen Salvucci	Date/Time:	Date/Time: 27/11/25 11:30	Date/Time: 27/11/25 11:40
Date/Time: 11/25/25 15:30	Temperature: °C	Temperature: 15.5-12.7	pH Verified: <input type="checkbox"/> By: LTT

## Certificate of Analysis

**Hatch Ltd. (Mississauga)**

2699 Speakman Drive  
Mississauga, ON L5K 1B1  
Attn: Owen Salvucci

Client PO:  
Project: H377031  
Custody:

Report Date: 3-Dec-2025  
Order Date: 26-Nov-2025

**Order #: 2548283**

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

Parcel ID	Client ID
2548283-01	TCLP-01
2548283-02	TCLP-02

Approved By:



Mark Foto, M.Sc.

Laboratory Director

Certificate of Analysis

Report Date: 03-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Analysis Summary Table**

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Ignitability	based on EPA 1030	27-Nov-25	1-Dec-25
Metals, ICP-MS	TCLP EPA 6020 - Digestion - ICP-MS	1-Dec-25	1-Dec-25
REG 558 - Cyanide	TCLP MOE E3015- Auto Colour	1-Dec-25	1-Dec-25
REG 558 - Fluoride	TCLP EPA 340.2 - ISE	1-Dec-25	1-Dec-25
REG 558 - Mercury by CVAA	TCLP EPA 7470A, CVAA	1-Dec-25	1-Dec-25
REG 558 - NO3/NO2	TCLP EPA 300.1 - IC	1-Dec-25	1-Dec-25
REG 558 - PAHs	TCLP EPA 625 - GC-MS	2-Dec-25	2-Dec-25
REG 558 - PCBs	TCLP EPA 608 - GC-ECD	1-Dec-25	1-Dec-25
REG 558 - VOCs	TCLP ZHE EPA 624 - P&T GC-MS	1-Dec-25	2-Dec-25
Solids, %	CWS Tier 1 - Gravimetric	28-Nov-25	1-Dec-25

Certificate of Analysis

Report Date: 03-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

## Summary of Criteria Exceedances

If this page is blank, then there are no exceedances

### 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 in red have exceeded the selected regulatory limit. A blue highlight represents a non-detect result with a reporting limit that exceeds the selected regulatory limit. Calculated uncertainty estimations have not been applied for determining regulatory exceedances.

Sample	Analyte	MDL / Units	Result	Reg 558 Schedule 4	-
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Certificate of Analysis

Report Date: 03-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

<b>Client ID:</b>	TCLP-01	TCLP-02	-	-	<b>Criteria:</b> <b>Reg 558 Schedule 4</b>
<b>Sample Date:</b>	22-Nov-25 17:00	23-Nov-25 17:00	-	-	
<b>Sample ID:</b>	2548283-01	2548283-02	-	-	
<b>Matrix:</b>	Soil	Soil	-	-	
<b>MDL/Units</b>					

**Physical Characteristics**

% Solids	0.1 % by Wt.	79.7	71.3	-	-	-
Ignitability	N/A	Negative	Negative	-	-	-

**EPA 1311 - TCLP Leachate Inorganics**

Fluoride	0.05 mg/L	0.38	0.06	-	-	150 mg/L	-
Nitrate as N	1 mg/L	<1	<1	-	-	1000 mg/L	-
Nitrite as N	1 mg/L	<1	<1	-	-	1000 mg/L	-
Nitrate + Nitrite as N	2 mg/L	<2	<2	-	-	1000 mg/L	-
Cyanide, free	0.02 mg/L	<0.02	<0.02	-	-	20 mg/L	-

**EPA 1311 - TCLP Leachate Metals**

Arsenic	0.05 mg/L	<0.05	<0.05	-	-	2.5 mg/L	-
Barium	0.05 mg/L	0.52	0.33	-	-	100 mg/L	-
Boron	0.10 mg/L	<0.10	<0.10	-	-	500 mg/L	-
Cadmium	0.01 mg/L	<0.01	0.05	-	-	0.5 mg/L	-
Chromium	0.05 mg/L	<0.05	<0.05	-	-	5 mg/L	-
Lead	0.05 mg/L	<0.05	<0.05	-	-	5 mg/L	-
Mercury	0.005 mg/L	<0.005	<0.005	-	-	0.1 mg/L	-
Selenium	0.05 mg/L	<0.05	<0.05	-	-	1 mg/L	-
Silver	0.05 mg/L	<0.05	<0.05	-	-	5 mg/L	-
Uranium	0.05 mg/L	<0.05	<0.05	-	-	10 mg/L	-

**EPA 1311 - TCLP Leachate Volatiles**

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

Certificate of Analysis

Report Date: 03-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

<b>Client ID:</b>	TCLP-01	TCLP-02	-	-	<b>Criteria:</b> Reg 558 Schedule 4
<b>Sample Date:</b>	22-Nov-25 17:00	23-Nov-25 17:00	-	-	
<b>Sample ID:</b>	2548283-01	2548283-02	-	-	
<b>Matrix:</b>	Soil	Soil	-	-	
<b>MDL/Units</b>					

**EPA 1311 - TCLP Leachate Volatiles**

1,4-Dichlorobenzene	0.004 mg/L	<0.004	<0.004	-	-	0.5 mg/L	-
1,2-Dichloroethane	0.005 mg/L	<0.005	<0.005	-	-	0.5 mg/L	-
1,1-Dichloroethylene	0.006 mg/L	<0.006	<0.006	-	-	1.4 mg/L	-
Methyl Ethyl Ketone (2-Butanone)	0.30 mg/L	<0.30	<0.30	-	-	200 mg/L	-
Methylene Chloride	0.04 mg/L	<0.04	<0.04	-	-	5 mg/L	-
Tetrachloroethylene	0.005 mg/L	<0.005	<0.005	-	-	3 mg/L	-
Trichloroethylene	0.004 mg/L	<0.004	<0.004	-	-	5 mg/L	-
Vinyl chloride	0.005 mg/L	<0.005	<0.005	-	-	0.2 mg/L	-
Vinyl chloride	0.005 mg/L	<0.005	<0.005	-	-	0.2 mg/L	-
Dibromofluoromethane	Surrogate	122%	124%	-	-	-	-
Toluene-d8	Surrogate	108%	110%	-	-	-	-
4-Bromofluorobenzene	Surrogate	112%	109%	-	-	-	-

**EPA 1311 - TCLP Leachate Organics**

Benzo [a] pyrene	0.0001 mg/L	<0.0001	<0.0001	-	-	0.001 mg/L	-
Terphenyl-d14	Surrogate	80.1%	81.6%	-	-	-	-
PCBs, total	0.003 mg/L	<0.003	<0.003	-	-	0.3 mg/L	-
Decachlorobiphenyl	Surrogate	113%	96.5%	-	-	-	-

Certificate of Analysis

Report Date: 03-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Blank**

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>EPA 1311 - TCLP Leachate Inorganics</b>								
Cyanide, free	ND	0.02	mg/L					
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					
<b>EPA 1311 - TCLP Leachate Metals</b>								
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					
<b>EPA 1311 - TCLP Leachate Organics</b>								
Benzo [a] pyrene	ND	0.0001	mg/L					
<i>Surrogate: Terphenyl-d14</i>	0.16		%	80.2	37-156			
PCBs, total	ND	0.003	mg/L					
<i>Surrogate: Decachlorobiphenyl</i>	0.0090		%	89.5	62-138			
<b>EPA 1311 - TCLP Leachate Volatiles</b>								
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					

Certificate of Analysis

Report Date: 03-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Blank**

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Methylene Chloride	ND	0.04	mg/L					
Tetrachloroethylene	ND	0.005	mg/L					
Trichloroethylene	ND	0.004	mg/L					
Vinyl chloride	ND	0.005	mg/L					
Surrogate: 4-Bromofluorobenzene	0.0886		%	111	83-134			
Surrogate: Dibromofluoromethane	0.0932		%	116	78-124			
Surrogate: Toluene-d8	0.0883		%	110	76-118			

Certificate of Analysis

Report Date: 03-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Duplicate**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>EPA 1311 - TCLP Leachate Inorganics</b>									
Fluoride	0.14	0.05	mg/L	0.14			2.2	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	
<b>EPA 1311 - TCLP Leachate Metals</b>									
Arsenic	ND	0.05	mg/L	ND			NC	29	
Barium	0.609	0.05	mg/L	0.516			16.6	34	
Boron	0.109	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	
<b>EPA 1311 - TCLP Leachate Organics</b>									
PCBs, total	ND	0.003	mg/L	ND			NC	30	
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0094</i>		%		<i>94.4</i>	<i>62-138</i>			
<b>EPA 1311 - TCLP Leachate Volatiles</b>									
Benzene	ND	0.005	mg/L	ND			NC	25	
Carbon Tetrachloride	ND	0.005	mg/L	ND			NC	25	
Chlorobenzene	ND	0.004	mg/L	ND			NC	25	
Chloroform	ND	0.006	mg/L	ND			NC	25	
1,2-Dichlorobenzene	ND	0.004	mg/L	ND			NC	25	
1,4-Dichlorobenzene	ND	0.004	mg/L	ND			NC	25	
1,2-Dichloroethane	ND	0.005	mg/L	ND			NC	25	
1,1-Dichloroethylene	ND	0.006	mg/L	ND			NC	25	
Methyl Ethyl Ketone (2-Butanone)	ND	0.30	mg/L	ND			NC	25	
Methylene Chloride	ND	0.04	mg/L	ND			NC	25	
Tetrachloroethylene	ND	0.005	mg/L	ND			NC	25	

Certificate of Analysis

Report Date: 03-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Duplicate**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Trichloroethylene	ND	0.004	mg/L	ND			NC	25	
Vinyl chloride	ND	0.005	mg/L	ND			NC	25	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0854</i>		%		<i>107</i>	<i>83-134</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0882</i>		%		<i>110</i>	<i>78-124</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0889</i>		%		<i>111</i>	<i>76-118</i>			
<b>Physical Characteristics</b>									
% Solids	98.9	0.1	% by Wt.	98.8			0.1	25	

Certificate of Analysis

Report Date: 03-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Spike**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>EPA 1311 - TCLP Leachate Inorganics</b>									
Fluoride	0.66	0.05	mg/L	0.14	105	77-129			
Nitrate as N	10	1	mg/L	ND	98.3	81-112			
Nitrite as N	9	1	mg/L	ND	94.7	76-107			
Cyanide, free	0.079	0.02	mg/L	ND	79.0	40-115			
<b>EPA 1311 - TCLP Leachate Metals</b>									
Arsenic	46.2	0.05	mg/L	0.098	92.3	83-119			
Barium	105	0.05	mg/L	51.6	108	80-120			
Boron	57.5	0.10	mg/L	9.81	95.3	71-128			
Cadmium	48.0	0.01	mg/L	0.104	95.7	78-119			
Chromium	55.2	0.05	mg/L	0.128	110	80-124			
Lead	40.2	0.05	mg/L	0.056	80.3	77-126			
Mercury	0.0331	0.005	mg/L	ND	110	70-130			
Selenium	41.9	0.05	mg/L	0.236	83.3	75-125			
Silver	46.7	0.05	mg/L	ND	93.3	70-128			
Uranium	41.0	0.05	mg/L	0.127	81.7	70-131			
<b>EPA 1311 - TCLP Leachate Organics</b>									
Benzo [a] pyrene	0.0381	0.0001	mg/L	ND	76.2	39-123			
<i>Surrogate: Terphenyl-d14</i>	<i>0.16</i>		%		<i>78.4</i>	<i>37-156</i>			
PCBs, total	0.036	0.003	mg/L	ND	89.5	86-145			
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.011</i>		%		<i>108</i>	<i>62-138</i>			
<b>EPA 1311 - TCLP Leachate Volatiles</b>									
Benzene	0.036	0.005	mg/L	ND	89.8	55-141			
Carbon Tetrachloride	0.041	0.005	mg/L	ND	102	49-149			
Chlorobenzene	0.040	0.004	mg/L	ND	99.9	64-137			
Chloroform	0.039	0.006	mg/L	ND	97.1	58-138			
1,2-Dichlorobenzene	0.039	0.004	mg/L	ND	98.4	60-150			
1,4-Dichlorobenzene	0.039	0.004	mg/L	ND	96.4	63-132			
1,2-Dichloroethane	0.037	0.005	mg/L	ND	93.6	50-140			
1,1-Dichloroethylene	0.036	0.006	mg/L	ND	90.9	43-153			
Methyl Ethyl Ketone (2-Butanone)	0.125	0.30	mg/L	ND	125	26-153			

Certificate of Analysis

Report Date: 03-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Spike**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Methylene Chloride	0.037	0.04	mg/L	ND	91.9	58-149			
Tetrachloroethylene	0.046	0.005	mg/L	ND	114	51-145			
Trichloroethylene	0.047	0.004	mg/L	ND	118	52-135			
Vinyl chloride	0.031	0.005	mg/L	ND	76.8	31-159			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0883</i>		%		<i>110</i>	<i>83-134</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0805</i>		%		<i>101</i>	<i>78-124</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0839</i>		%		<i>105</i>	<i>76-118</i>			

Certificate of Analysis

Report Date: 03-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Qualifier Notes:

Sample Qualifiers :

Sample Data Revisions:

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

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

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

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

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

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



2548261 (soils), 2548262 (GW)

1. Laurent Blvd.  
Toronto K1G 4J8  
9-1947  
paracelabs.com  
lablabs.com

Parcel Order Number (Lab Use Only) 2548283 (Sub - Reg 558) 2548287 (Sub - Reg 406)	Chain Of Custody (Lab Use Only)
---	------------------------------------

Client Name: Hatch Ltd.	Project Ref: H377031	Page 1 of 4
Contact Name: Owen Salvucci	Quote #: 25-561	
Address: 2699 Speakman Drive, Mississauga	PO #:	Turnaround Time <input type="checkbox"/> 1 day <input type="checkbox"/> 3 day <input type="checkbox"/> 2 day <input checked="" type="checkbox"/> Regular
Telephone: 289-326-1525	E-mail: owen.salvucci@hatch.com	
Date Required:		

REG 153/04		REG 406/19		Other Regulation		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)		Required Analysis									
<input type="checkbox"/> Table 1	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> Med/Fine	<input type="checkbox"/> REG 558	<input type="checkbox"/> PWQO	<input type="checkbox"/> CCME	<input type="checkbox"/> MISA	Sample Taken Date    Time	M&I	PHCS	VOCs	PAHs	PCBs	OCPs	mSPLP	TCLP	HOLD	HOLD
<input type="checkbox"/> Table 2	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Coarse	<input type="checkbox"/> SU - Sani	<input type="checkbox"/> SU - Storm	Mun: _____												
<input type="checkbox"/> Table 3	<input type="checkbox"/> Ind/Comm		For RSC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Other: _____												
Sample ID/Location Name																	
1	TP25-01-S1	S	2	11/23/25	10:15												
2	TP25-01-S2	S	2	11/23/25	10:15	X	X	X	X	X	X	X	X	X	X	X	X
3	TP25-01-S3	S	2	11/23/25	10:15	X	X	X	X	X	X	X	X	X	X	X	X
4	TP25-01-S4	S	2	11/23/25	10:15	X	X	X	X	X	X	X	X	X	X	X	X
5	TP25-02-S1	S	2	11/23/25	9:45	X	X	X	X	X	X	X	X	X	X	X	X
6	TP25-02-S2	S	2	11/23/25	9:45												
7	TP25-02-S3	S	2	11/23/25	9:45												
8	TP25-03-S1	S	2	11/23/25	8:30	X	X	X	X	X	X	X	X	X	X	X	X
9	TP25-03-S2	S	4	11/23/25	8:30	X	X	X	X	X	X	X	X	X	X	X	X
10	TP25-03-S3	S	2	11/23/25	8:30	X	X	X	X	X	X	X	X	X	X	X	X

Comments: For mSPLP analysis, please test for metals, VOCs, OCPs, ABNs. For TCLP analysis please test for M&I, PAHs, VOCs, PCBs, OCPs, ignitability. Please compare soil results to all REG 153/04 and 406/19 tables.

Relinquished By (Sign): <i>Owen Salvucci</i>	Received at Depot:	Received at Lab: LTJ	Verified By: LTJ
Relinquished By (Print): Owen Salvucci	Date/Time:	Date/Time: 27/11/25 11:30	Date/Time: 27/11/25 11:40
Date/Time: 11/25/25 15:30	Temperature: _____ °C	Temperature: 15.5 / 12.7	pH Verified: <input type="checkbox"/> By: _____

12.5



261 - Soil, 262 - GW

Parcel Order Number  
(Lab Use Only)  
283 - Reg Sub - Reg 558  
287 - (Sub - Reg 406)

Chain Of Custody  
(Lab Use Only)

Client Name: Hatch Ltd. Project Ref: H377031  
 Contact Name: Owen Salvucci Quote #: 25-561  
 Address: 2699 Speakman Drive, Mississauga PO #:  
 Telephone: 289-326-1525 E-mail: owen.salvucci@hatch.com

Page 2 of 4

Turnaround Time  
 1 day  3 day  
 2 day  Regular  
 Date Required:

REG 153/04		REG 406/19		Other Regulation		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)		Required Analysis																	
<input type="checkbox"/> Table 1	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> Med/Fine	<input type="checkbox"/> REG 558	<input type="checkbox"/> PWQO	<input type="checkbox"/> CCME	<input type="checkbox"/> MISA	Mun: _____	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken		M&I	PHCS	VOCs	PAHs	PCBs	OCPs	mSPLP	TCLP	HOLD			
<input type="checkbox"/> Table 2	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Coarse	<input type="checkbox"/> SU - Sani	<input type="checkbox"/> SU - Storm	Date	Time																			
<input type="checkbox"/> Table 3	<input type="checkbox"/> Ind/Comm		For RSC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																						
Sample ID/Location Name																									
1	TP25-04-S1	S		2																					
2	TP25-04-S2	S		2																					
3	TP25-04-S3	S		2																					
4	TP25-05-S1	S		2																					
5	TP25-05-S2	S		4																					
6	TP25-05-S3	S		2																					
7	TP25-06-S1	S		2																					
8	TP25-07-S1	S		2																					
9	TP25-08-S1	S		2																					
10	TP25-09-S1	S		4																					

Comments: For mSPLP analysis, please test for metals, VOCs, OCPs, ABNs. For TCLP analysis please test for M&I, PAHs, VOCs, PCBs, OCPs, ignitability. Please compare soil results to all REG 153/04 and 406/19 tables.

Method of Delivery: **FEDEx**

Unless otherwise negotiated by the parties, by signing Paracel's Chain of Custody form, you are agreeing to Paracel Laboratories Terms and Conditions and are subject to the terms and conditions thereof. Available at www.paracellabs.com

Relinquished By (Sign): <i>Owen Salvucci</i>	Received at Depot:	Received at Lab: <i>LITJ</i>	Verified By: <i>LITJ</i>
Relinquished By (Print): Owen Salvucci	Date/Time:	Date/Time: <i>27/11/25 11:30</i>	Date/Time: <i>27/11/25 11:40</i>
Date/Time: 11/25/25 15:30	Temperature: °C	Temperature: <i>15.5, 12.7,</i>	pH Verified: <input type="checkbox"/> By:

62-5



Laurent Blvd.  
ario K1G 4J8  
3-1947  
paracellabs.com  
llabs.com

261 (Soils), 262 (GW)

Parcel Order Number  
(Lab Use Only)  
283 (Sub-Reg 558)  
287 (Sub-Reg 406)

Chain Of Custody  
(Lab Use Only)

Client Name: Hatch Ltd. Project Ref: H377031  
 Contact Name: Owen Salvucci Quote #: 25-561  
 Address: 2699 Speakman Drive, Mississauga PO #:  
 Telephone: 289-326-1525 E-mail: owen.salvucci@hatch.com  
 Page 3 of 4  
 Turnaround Time:  
 1 day  3 day  
 2 day  Regular  
 Date Required:

<input checked="" type="checkbox"/> REG 153/04 <input checked="" type="checkbox"/> REG 406/19    Other Regulation <input type="checkbox"/> Table 1 <input type="checkbox"/> Agri/Other <input type="checkbox"/> Med/Fine <input checked="" type="checkbox"/> REG 558 <input type="checkbox"/> PWQO <input type="checkbox"/> Table 2 <input type="checkbox"/> Res/Park <input type="checkbox"/> Coarse <input type="checkbox"/> CCME <input type="checkbox"/> MISA <input type="checkbox"/> Table 3 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> SU - Sani <input type="checkbox"/> SU - Storm <input type="checkbox"/> Table ALL For RSC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Other: _____ Mun: _____		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)		Required Analysis												
Sample ID/Location Name		Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken		M&I	PHCS	VOCs	PAHS	PCBS	OCPs	mSPLP	TCLP	HOLD
						Date	Time									
1	TP25-10-S1	S		2		11/22/25	11:45	X	X	X	X	X	X			
2	TP25-11-S1	S		2		11/22/25	12:15	X	X	X	X	X	X			
3	TP25-11-S2	S		2		11/22/25	12:15	X	X	X	X	X	X			
4	TP25-12-S1	S		2		11/22/25	13:30	X	X	X	X	X	X			
5	TP25-13-S1	S		2		11/23/25	11:45	X	X	X	X	X	X			
6	TCLP-01	S		2		11/22/25	17:00								X	
7	TCLP-02	S		2		11/23/25	17:00								X	
8																
9																
10																

Comments: For mSPLP analysis, please test for metals, VOCs, OCPs, ABNs. For TCLP analysis please test for M&I, PAHs, VOCs, PCBs, OCPs, ignitability. Please compare soil results to all REG 153/04 and 406/19 tables.  
 Method of Delivery: FEDEX

Unless otherwise negotiated by the parties, by signing Paracel's Chain of Custody form, you are agreeing to Paracel Laboratories Terms and Conditions and are subject to the terms and conditions thereof. Available at www.paracellabs.com

Relinquished By (Sign): <i>Owen Salvucci</i>	Received at Depot:	Received at Lab: LTT	Verified By: LTT
Relinquished By (Print): Owen Salvucci	Date/Time:	Date/Time: 27/11/25, 11:30	Date/Time: 27/11/25, 11:40
Date/Time: 11/25/25 15:30	Temperature: °C	Temperature: 15.5, 12.7	pH Verified: <input type="checkbox"/> By:

12.5



38  
St. Laurent Blvd.  
Toronto K1G 4J8  
49-1947  
paracelabs.com  
collabs.com

2548283 (Soils), 262 (GW)

Parcel Order Number  
(Lab Use Only)  
283 (Sub-Reg 558)  
287 (Sub-Reg 406)

Chain Of Custody  
(Lab Use Only)

Client Name: Hatch Ltd. Project Ref: H377031  
 Contact Name: Owen Salvucci Quote #: 25-561  
 Address: 2699 Speakman Drive, Mississauga PO #:  
 Telephone: 289-326-1525 E-mail: owen.salvucci@hatch.com

Page 4 of 4

Turnaround Time

- 1 day  3 day  
 2 day  Regular

Date Required:

REG 153/04		REG 406/19		Other Regulation		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)		Required Analysis							
<input type="checkbox"/> Table 1	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> Med/Fine	<input type="checkbox"/> REG 558	<input checked="" type="checkbox"/> PWQO											
<input type="checkbox"/> Table 2	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Coarse	<input type="checkbox"/> CCME	<input type="checkbox"/> MISA											
<input type="checkbox"/> Table 3	<input type="checkbox"/> Ind/Comm		<input type="checkbox"/> SU - Sani	<input type="checkbox"/> SU - Storm											
<input type="checkbox"/> Table ALL		Mun: _____		Other: _____											
For RSC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No															
Sample ID/Location Name		Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken		M&I	PHCS	VOCs	PAHS	PCBS	OCP		
Date	Time														
1	BH25-01	GW		12	N	11/24/25	10:00	X	X	X	X	X	X		
2	BH25-02	GW		12	Y	11/24/25	12:00	X	X	X	X	X	X		
3	BH25-03	GW		12	Y	11/24/25	14:00	X	X	X	X	X	X		
4	DUP-01	GW		12	N	11/24/25	10:00	X	X	X	X	X	X		
5															
6															
7															
8															
9															
10															

Comments: Please compare groundwater results to all REG 153/04 and PWQO tables.  
 Method of Delivery: FEDEX

Unless otherwise negotiated by the parties, by signing Parace's Chain of Custody form, you are agreeing to Parace Laboratories Terms and Conditions and are subject to the terms and conditions thereof. Available at www.paracelabs.com

Relinquished By (Sign): <i>Owen Salvucci</i>	Received at Depot:	Received at Lab: LTT	Verified By: LTT
Relinquished By (Print): Owen Salvucci	Date/Time:	Date/Time: 27/11/25; 11:30	Date/Time: 27/11/25; 11:40
Date/Time: 11/25/25 15:30	Temperature: °C	Temperature: 15.5, 10.7	pH Verified: 5.1 By: LTT

12.5

## Certificate of Analysis

**Hatch Ltd. (Mississauga)**

2699 Speakman Drive  
Mississauga, ON L5K 1B1  
Attn: Owen Salvucci

Client PO:  
Project: H377031  
Custody:

Report Date: 2-Dec-2025  
Order Date: 26-Nov-2025

**Order #: 2548262**

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

Parcel ID	Client ID
2548262-01	BH25-01
2548262-02	BH25-02
2548262-03	BH25-03
2548262-04	DUP-01

Approved By:

*A. Tirca*

Adriana Tirca, B.Eng (Chem)

Supervisor

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Analysis Summary Table**

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Anions	EPA 300.1 - IC	28-Nov-25	1-Dec-25
Chromium, hexavalent - water	MOE E3056 - colourimetric	1-Dec-25	1-Dec-25
Cyanide, free	MOE E3015 - Auto Colour	28-Nov-25	28-Nov-25
Mercury by CVAA	EPA 245.2 - Cold Vapour AA	27-Nov-25	28-Nov-25
Metals, ICP-MS	EPA 200.8 - ICP-MS	27-Nov-25	28-Nov-25
PCBs, total	EPA 608 - GC-ECD	27-Nov-25	28-Nov-25
pH	SM 4500-H+	27-Nov-25	27-Nov-25
PHC F1	CWS Tier 1 - P&T GC-FID	1-Dec-25	1-Dec-25
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	1-Dec-25	2-Dec-25
REG 153: PAHs by GC-MS	EPA 625 - GC-MS, extraction	28-Nov-25	28-Nov-25
REG 153: Pesticides, OC	EPA 8081B - GC-ECD	27-Nov-25	28-Nov-25
REG 153: VOCs by P&T GC/MS	EPA 624 - P&T GC-MS	1-Dec-25	1-Dec-25

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

## Summary of Criteria Exceedances

If this page is blank, then there are no exceedances

**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 in red have exceeded the selected regulatory limit. A blue highlight represents a non-detect result with a reporting limit that exceeds the selected regulatory limit. Calculated uncertainty estimations have not been applied for determining regulatory exceedances.

Sample	Analyte	MDL / Units	Result	PWQO	Reg 153/04 -T1 Groundwater
BH25-01	Chromium (VI)	10 ug/L	<10	1 ug/L	25 ug/L
BH25-01	Cobalt	0.5 ug/L	1.2	0.9 ug/L	3.8 ug/L
BH25-01	Copper	0.5 ug/L	3.9	1 ug/L	5 ug/L
BH25-01	Uranium	0.1 ug/L	5.6	5 ug/L	8.9 ug/L
BH25-01	Anthracene	0.01 ug/L	<0.01	0.0008 ug/L	0.1 ug/L
BH25-01	Benzo [a] anthracene	0.01 ug/L	<0.01	0.0004 ug/L	0.2 ug/L
BH25-01	Benzo [g,h,i] perylene	0.05 ug/L	<0.05	0.00002 ug/L	0.2 ug/L
BH25-01	Benzo [k] fluoranthene	0.05 ug/L	<0.05	0.0002 ug/L	0.1 ug/L
BH25-01	Chrysene	0.05 ug/L	<0.05	0.0001 ug/L	0.1 ug/L
BH25-01	Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	0.002 ug/L	0.2 ug/L
BH25-01	Fluoranthene	0.01 ug/L	<0.01	0.0008 ug/L	0.4 ug/L
BH25-01	Phenanthrene	0.05 ug/L	<0.05	0.03 ug/L	0.1 ug/L
BH25-01	PCBs, total	0.05 ug/L	<0.05	0.001 ug/L	0.2 ug/L
BH25-02	Chromium (VI)	10 ug/L	<10	1 ug/L	25 ug/L
BH25-02	Anthracene	0.01 ug/L	<0.01	0.0008 ug/L	0.1 ug/L
BH25-02	Benzo [a] anthracene	0.01 ug/L	<0.01	0.0004 ug/L	0.2 ug/L
BH25-02	Benzo [g,h,i] perylene	0.05 ug/L	<0.05	0.00002 ug/L	0.2 ug/L
BH25-02	Benzo [k] fluoranthene	0.05 ug/L	<0.05	0.0002 ug/L	0.1 ug/L
BH25-02	Chrysene	0.05 ug/L	<0.05	0.0001 ug/L	0.1 ug/L
BH25-02	Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	0.002 ug/L	0.2 ug/L
BH25-02	Fluoranthene	0.01 ug/L	<0.01	0.0008 ug/L	0.4 ug/L
BH25-02	Phenanthrene	0.05 ug/L	<0.05	0.03 ug/L	0.1 ug/L

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

## Summary of Criteria Exceedances

If this page is blank, then there are no exceedances

### 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 in red have exceeded the selected regulatory limit. A blue highlight represents a non-detect result with a reporting limit that exceeds the selected regulatory limit. Calculated uncertainty estimations have not been applied for determining regulatory exceedances.

Sample	Analyte	MDL / Units	Result	PWQO	Reg 153/04 -T1 Groundwater
BH25-02	PCBs, total	0.05 ug/L	<0.05	0.001 ug/L	0.2 ug/L
BH25-03	Chromium (VI)	10 ug/L	<10	1 ug/L	25 ug/L
BH25-03	Anthracene	0.01 ug/L	<0.01	0.0008 ug/L	0.1 ug/L
BH25-03	Benzo [a] anthracene	0.01 ug/L	<0.01	0.0004 ug/L	0.2 ug/L
BH25-03	Benzo [g,h,i] perylene	0.05 ug/L	<0.05	0.00002 ug/L	0.2 ug/L
BH25-03	Benzo [k] fluoranthene	0.05 ug/L	<0.05	0.0002 ug/L	0.1 ug/L
BH25-03	Chrysene	0.05 ug/L	<0.05	0.0001 ug/L	0.1 ug/L
BH25-03	Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	0.002 ug/L	0.2 ug/L
BH25-03	Fluoranthene	0.01 ug/L	<0.01	0.0008 ug/L	0.4 ug/L
BH25-03	Phenanthrene	0.05 ug/L	<0.05	0.03 ug/L	0.1 ug/L
BH25-03	PCBs, total	0.05 ug/L	<0.05	0.001 ug/L	0.2 ug/L
DUP-01	Chromium (VI)	10 ug/L	<10	1 ug/L	25 ug/L
DUP-01	Cobalt	0.5 ug/L	1.2	0.9 ug/L	3.8 ug/L
DUP-01	Copper	0.5 ug/L	4.3	1 ug/L	5 ug/L
DUP-01	Uranium	0.1 ug/L	6.0	5 ug/L	8.9 ug/L
DUP-01	Anthracene	0.01 ug/L	<0.01	0.0008 ug/L	0.1 ug/L
DUP-01	Benzo [a] anthracene	0.01 ug/L	<0.01	0.0004 ug/L	0.2 ug/L
DUP-01	Benzo [g,h,i] perylene	0.05 ug/L	<0.05	0.00002 ug/L	0.2 ug/L
DUP-01	Benzo [k] fluoranthene	0.05 ug/L	<0.05	0.0002 ug/L	0.1 ug/L
DUP-01	Chrysene	0.05 ug/L	<0.05	0.0001 ug/L	0.1 ug/L
DUP-01	Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	0.002 ug/L	0.2 ug/L
DUP-01	Fluoranthene	0.01 ug/L	<0.01	0.0008 ug/L	0.4 ug/L

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

## Summary of Criteria Exceedances

If this page is blank, then there are no exceedances

### 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 in red have exceeded the selected regulatory limit. A blue highlight represents a non-detect result with a reporting limit that exceeds the selected regulatory limit. Calculated uncertainty estimations have not been applied for determining regulatory exceedances.

Sample	Analyte	MDL / Units	Result	PWQO	Reg 153/04 -T1 Groundwater
DUP-01	Phenanthrene	0.05 ug/L	<0.05	0.03 ug/L	0.1 ug/L
DUP-01	PCBs, total	0.05 ug/L	<0.05	0.001 ug/L	0.2 ug/L

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

<b>Client ID:</b>	BH25-01	BH25-02	BH25-03	DUP-01	<b>Criteria:</b>	
<b>Sample Date:</b>	24-Nov-25 10:00	24-Nov-25 12:00	24-Nov-25 14:00	24-Nov-25 10:00	<b>PWQO</b>	<b>Reg 153/04 -T1</b>
<b>Sample ID:</b>	2548262-01	2548262-02	2548262-03	2548262-04	<b>Groundwater</b>	
<b>Matrix:</b>	Ground Water	Ground Water	Ground Water	Ground Water		
<b>MDL/Units</b>						

**General Inorganics**

Cyanide, free	2 ug/L	<2	<2	<2	<2	5 ug/L	5 ug/L
pH	0.1 pH Units	7.2	7.6	7.4	7.3	6.50 - 8.50 pH units	5.00 - 9.00 pH units

**Anions**

Chloride	1 mg/L	10	5	5	10	-	790000 ug/L
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**Metals**

Mercury	0.1 ug/L	<0.1	<0.1	<0.1	<0.1	0.2 ug/L	0.1 ug/L
Antimony	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	20 ug/L	1.5 ug/L
Arsenic	1 ug/L	2	2	<1	2	5 ug/L	13 ug/L
Barium	1 ug/L	141	131	99	145	-	610 ug/L
Beryllium	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	11 ug/L	0.5 ug/L
Boron	10 ug/L	38	18	17	40	200 ug/L	1700 ug/L
Cadmium	0.1 ug/L	<0.1	<0.1	<0.1	<0.1	0.1 ug/L	0.5 ug/L
Chromium	1 ug/L	2	<1	<1	2	-	11 ug/L
Chromium (VI)	10 ug/L	<10	<10	<10	<10	1 ug/L	25 ug/L
Cobalt	0.5 ug/L	1.2	<0.5	0.9	1.2	0.9 ug/L	3.8 ug/L
Copper	0.5 ug/L	3.9	<0.5	<0.5	4.3	1 ug/L	5 ug/L
Lead	0.1 ug/L	0.9	<0.1	<0.1	1.0	1 ug/L	1.9 ug/L
Molybdenum	0.5 ug/L	4.7	0.5	6.2	4.6	40 ug/L	23 ug/L
Nickel	1 ug/L	5	<1	1	5	25 ug/L	14 ug/L
Selenium	1 ug/L	<1	<1	<1	<1	100 ug/L	5 ug/L
Silver	0.1 ug/L	<0.1	<0.1	<0.1	<0.1	0.1 ug/L	0.3 ug/L
Sodium	200 ug/L	83100	10900	38700	84400	-	490000 ug/L
Thallium	0.1 ug/L	<0.1	<0.1	<0.1	<0.1	0.3 ug/L	0.5 ug/L
Uranium	0.1 ug/L	5.6	0.1	4.7	6.0	5 ug/L	8.9 ug/L
Vanadium	0.5 ug/L	2.5	<0.5	2.6	2.7	6 ug/L	3.9 ug/L

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	BH25-01	BH25-02	BH25-03	DUP-01	Criteria:	
Sample Date:	24-Nov-25 10:00	24-Nov-25 12:00	24-Nov-25 14:00	24-Nov-25 10:00	PWQO	Reg 153/04 -T1
Sample ID:	2548262-01	2548262-02	2548262-03	2548262-04		Groundwater
Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
MDL/Units						

**Metals**

Zinc	5 ug/L	<5	<5	<5	<5	20 ug/L	160 ug/L
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**Volatiles**

Acetone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	2700 ug/L
Benzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	100 ug/L	0.5 ug/L
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	200 ug/L	2 ug/L
Bromoform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	60 ug/L	5 ug/L
Bromomethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	0.9 ug/L	0.89 ug/L
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	0.2 ug/L
Chlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	15 ug/L	0.5 ug/L
Chloroform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	2 ug/L
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	40 ug/L	2 ug/L
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	590 ug/L
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	2.5 ug/L	0.5 ug/L
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	2.5 ug/L	0.5 ug/L
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	4 ug/L	0.5 ug/L
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	200 ug/L	0.5 ug/L
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	100 ug/L	0.5 ug/L
1,1-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	40 ug/L	0.5 ug/L
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	200 ug/L	1.6 ug/L
trans-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	200 ug/L	1.6 ug/L
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	0.7 ug/L	0.5 ug/L
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	7 ug/L	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	0.5 ug/L
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	0.2 ug/L

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	BH25-01	BH25-02	BH25-03	DUP-01	Criteria:	
Sample Date:	24-Nov-25 10:00	24-Nov-25 12:00	24-Nov-25 14:00	24-Nov-25 10:00	PWQO	Reg 153/04 -T1
Sample ID:	2548262-01	2548262-02	2548262-03	2548262-04		Groundwater
Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
MDL/Units						

**Volatiles**

	MDL/Units	BH25-01	BH25-02	BH25-03	DUP-01	PWQO	Reg 153/04 -T1
Ethylbenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	8 ug/L	0.5 ug/L
Hexane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	5 ug/L
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	400 ug/L	400 ug/L
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	640 ug/L
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	<2.0	<2.0	200 ug/L	15 ug/L
Methylene Chloride	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	100 ug/L	5 ug/L
Styrene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	4 ug/L	0.5 ug/L
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	20 ug/L	1.1 ug/L
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	70 ug/L	0.5 ug/L
Tetrachloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	50 ug/L	0.5 ug/L
Toluene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	0.8 ug/L	0.8 ug/L
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	10 ug/L	0.5 ug/L
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	800 ug/L	0.5 ug/L
Trichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	20 ug/L	0.5 ug/L
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	150 ug/L
Vinyl chloride	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	600 ug/L	0.5 ug/L
Vinyl chloride	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	600 ug/L	0.5 ug/L
Vinyl chloride	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	600 ug/L	0.5 ug/L
Vinyl chloride	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	600 ug/L	0.5 ug/L
m,p-Xylenes	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	2 ug/L	-
o-Xylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	40 ug/L	-
Xylenes, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	72 ug/L
4-Bromofluorobenzene	Surrogate	89.9%	90.0%	90.0%	90.6%	-	-
Toluene-d8	Surrogate	107%	108%	108%	108%	-	-
Dibromofluoromethane	Surrogate	102%	101%	101%	101%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

Client ID:	BH25-01	BH25-02	BH25-03	DUP-01	Criteria:	
Sample Date:	24-Nov-25 10:00	24-Nov-25 12:00	24-Nov-25 14:00	24-Nov-25 10:00	PWQO	Reg 153/04 -T1
Sample ID:	2548262-01	2548262-02	2548262-03	2548262-04		Groundwater
Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
MDL/Units						

**Hydrocarbons**

	MDL/Units	BH25-01	BH25-02	BH25-03	DUP-01	PWQO	Reg 153/04 -T1
F1 PHCs (C6-C10)	25 ug/L	<25	<25	<25	<25	-	420 ug/L
F2 PHCs (C10-C16)	100 ug/L	<100	<100	<100	<100	-	150 ug/L
F3 PHCs (C16-C34)	100 ug/L	<100	<100	<100	<100	-	500 ug/L
F4 PHCs (C34-C50)	100 ug/L	<100	<100	<100	<100	-	500 ug/L

**Semi-Volatiles**

	MDL/Units	BH25-01	BH25-02	BH25-03	DUP-01	PWQO	Reg 153/04 -T1
Acenaphthene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	-	4.1 ug/L
Acenaphthylene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	-	1 ug/L
Anthracene	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	0.0008 ug/L	0.1 ug/L
Benzo [a] anthracene	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	0.0004 ug/L	0.2 ug/L
Benzo [a] pyrene	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.01 ug/L
Benzo [b] fluoranthene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	-	0.1 ug/L
Benzo [g,h,i] perylene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	0.00002 ug/L	0.2 ug/L
Benzo [k] fluoranthene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	0.0002 ug/L	0.1 ug/L
Chrysene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	0.0001 ug/L	0.1 ug/L
Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	0.002 ug/L	0.2 ug/L
Fluoranthene	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	0.0008 ug/L	0.4 ug/L
Fluorene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	0.2 ug/L	120 ug/L
Indeno [1,2,3-cd] pyrene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	-	-
1-Methylnaphthalene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	2 ug/L	2 ug/L
2-Methylnaphthalene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	2 ug/L	2 ug/L
Methylnaphthalene (1&2)	0.10 ug/L	<0.10	<0.10	<0.10	<0.10	-	2 ug/L
Naphthalene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	7 ug/L	7 ug/L
Phenanthrene	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	0.03 ug/L	0.1 ug/L
Pyrene	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.2 ug/L
2-Fluorobiphenyl	Surrogate	60.8%	64.6%	67.4%	75.1%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

<b>Client ID:</b>	BH25-01	BH25-02	BH25-03	DUP-01	<b>Criteria:</b>
<b>Sample Date:</b>	24-Nov-25 10:00	24-Nov-25 12:00	24-Nov-25 14:00	24-Nov-25 10:00	<b>PWQO</b>
<b>Sample ID:</b>	2548262-01	2548262-02	2548262-03	2548262-04	<b>Reg 153/04 -T1</b>
<b>Matrix:</b>	Ground Water	Ground Water	Ground Water	Ground Water	<b>Groundwater</b>
<b>MDL/Units</b>					

**Semi-Volatiles**

Terphenyl-d14	Surrogate	76.5%	73.8%	72.0%	78.1%	-	-
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**Pesticides, OC**

Aldrin	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.01 ug/L
gamma-BHC (Lindane)	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.01 ug/L
alpha-Chlordane	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	-
gamma-Chlordane	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	-
Chlordane	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.06 ug/L
o,p'-DDD	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDD	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	-
DDD	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	1.8 ug/L
o,p'-DDE	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDE	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	-
DDE	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	10 ug/L
o,p'-DDT	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	-
p,p'-DDT	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	-
DDT	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.05 ug/L
Dieldrin	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.05 ug/L
Endrin	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.05 ug/L
Endosulfan I	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	-
Endosulfan II	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	-
Endosulfan I/II	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.05 ug/L
Heptachlor	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.01 ug/L
Heptachlor epoxide	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.01 ug/L
Hexachlorobenzene	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.01 ug/L
Hexachlorobutadiene	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.01 ug/L

Certificate of Analysis

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Project Description: H377031

<b>Client ID:</b>	BH25-01	BH25-02	BH25-03	DUP-01	<b>Criteria:</b>	
<b>Sample Date:</b>	24-Nov-25 10:00	24-Nov-25 12:00	24-Nov-25 14:00	24-Nov-25 10:00	<b>PWQO</b>	<b>Reg 153/04 -T1</b>
<b>Sample ID:</b>	2548262-01	2548262-02	2548262-03	2548262-04	<b>Groundwater</b>	
<b>Matrix:</b>	Ground Water	Ground Water	Ground Water	Ground Water		
<b>MDL/Units</b>						

**Pesticides, OC**

Hexachloroethane	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.01 ug/L
Methoxychlor	0.01 ug/L	<0.01	<0.01	<0.01	<0.01	-	0.05 ug/L
Decachlorobiphenyl	Surrogate	97.2%	92.0%	97.4%	102%	-	-

**PCBs**

PCBs, total	0.05 ug/L	<0.05	<0.05	<0.05	<0.05	0.001 ug/L	0.2 ug/L
Decachlorobiphenyl	Surrogate	88.2%	84.4%	91.1%	94.0%	-	-

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Blank**

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>Anions</b>								
Chloride	ND	1	mg/L					
<b>General Inorganics</b>								
Cyanide, free	ND	2	ug/L					
<b>Hydrocarbons</b>								
F1 PHCs (C6-C10)	ND	25	ug/L					
F2 PHCs (C10-C16)	ND	100	ug/L					
F3 PHCs (C16-C34)	ND	100	ug/L					
F4 PHCs (C34-C50)	ND	100	ug/L					
<b>Metals</b>								
Antimony	ND	0.5	ug/L					
Arsenic	ND	1	ug/L					
Barium	ND	1	ug/L					
Beryllium	ND	0.5	ug/L					
Boron	ND	10	ug/L					
Cadmium	ND	0.1	ug/L					
Chromium	ND	1	ug/L					
Chromium (VI)	ND	10	ug/L					
Cobalt	ND	0.5	ug/L					
Copper	ND	0.5	ug/L					
Lead	ND	0.1	ug/L					
Mercury	ND	0.1	ug/L					
Molybdenum	ND	0.5	ug/L					
Nickel	ND	1	ug/L					
Selenium	ND	1	ug/L					
Silver	ND	0.1	ug/L					
Sodium	ND	200	ug/L					
Thallium	ND	0.1	ug/L					
Uranium	ND	0.1	ug/L					
Vanadium	ND	0.5	ug/L					
Zinc	ND	5	ug/L					
<b>PCBs</b>								
PCBs, total	ND	0.05	ug/L					

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Blank**

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
<i>Surrogate: Decachlorobiphenyl</i>	0.214		%	85.5	60-140			
<b>Pesticides, OC</b>								
Aldrin	ND	0.01	ug/L					
gamma-BHC (Lindane)	ND	0.01	ug/L					
alpha-Chlordane	ND	0.01	ug/L					
gamma-Chlordane	ND	0.01	ug/L					
Chlordane	ND	0.01	ug/L					
o,p'-DDD	ND	0.01	ug/L					
p,p'-DDD	ND	0.01	ug/L					
DDD	ND	0.01	ug/L					
o,p'-DDE	ND	0.01	ug/L					
p,p'-DDE	ND	0.01	ug/L					
DDE	ND	0.01	ug/L					
o,p'-DDT	ND	0.01	ug/L					
p,p'-DDT	ND	0.01	ug/L					
DDT	ND	0.01	ug/L					
Dieldrin	ND	0.01	ug/L					
Endrin	ND	0.01	ug/L					
Endosulfan I	ND	0.01	ug/L					
Endosulfan II	ND	0.01	ug/L					
Endosulfan I/II	ND	0.01	ug/L					
Heptachlor	ND	0.01	ug/L					
Heptachlor epoxide	ND	0.01	ug/L					
Hexachlorobenzene	ND	0.01	ug/L					
Hexachlorobutadiene	ND	0.01	ug/L					
Hexachloroethane	ND	0.01	ug/L					
Methoxychlor	ND	0.01	ug/L					
<i>Surrogate: Decachlorobiphenyl</i>	0.234		%	93.6	50-140			
<b>Semi-Volatiles</b>								
Acenaphthene	ND	0.05	ug/L					
Acenaphthylene	ND	0.05	ug/L					
Anthracene	ND	0.01	ug/L					

Certificate of Analysis

Report Date: 02-Dec-2025

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Client PO:

Project Description: H377031

**Method Quality Control: Blank**

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzo [a] anthracene	ND	0.01	ug/L					
Benzo [a] pyrene	ND	0.01	ug/L					
Benzo [b] fluoranthene	ND	0.05	ug/L					
Benzo [g,h,i] perylene	ND	0.05	ug/L					
Benzo [k] fluoranthene	ND	0.05	ug/L					
Chrysene	ND	0.05	ug/L					
Dibenzo [a,h] anthracene	ND	0.05	ug/L					
Fluoranthene	ND	0.01	ug/L					
Fluorene	ND	0.05	ug/L					
Indeno [1,2,3-cd] pyrene	ND	0.05	ug/L					
1-Methylnaphthalene	ND	0.05	ug/L					
2-Methylnaphthalene	ND	0.05	ug/L					
Methylnaphthalene (1&2)	ND	0.10	ug/L					
Naphthalene	ND	0.05	ug/L					
Phenanthrene	ND	0.05	ug/L					
Pyrene	ND	0.01	ug/L					
Surrogate: 2-Fluorobiphenyl	14.6		%	72.8	50-140			
Surrogate: Terphenyl-d14	16.0		%	80.1	50-140			
<b>Volatiles</b>								
Acetone	ND	5.0	ug/L					
Benzene	ND	0.5	ug/L					
Bromodichloromethane	ND	0.5	ug/L					
Bromoform	ND	0.5	ug/L					
Bromomethane	ND	0.5	ug/L					
Carbon Tetrachloride	ND	0.2	ug/L					
Chlorobenzene	ND	0.5	ug/L					
Chloroform	ND	0.5	ug/L					
Dibromochloromethane	ND	0.5	ug/L					
Dichlorodifluoromethane	ND	1.0	ug/L					
1,2-Dichlorobenzene	ND	0.5	ug/L					
1,3-Dichlorobenzene	ND	0.5	ug/L					
1,4-Dichlorobenzene	ND	0.5	ug/L					

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Blank**

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
1,1-Dichloroethane	ND	0.5	ug/L					
1,2-Dichloroethane	ND	0.5	ug/L					
1,1-Dichloroethylene	ND	0.5	ug/L					
cis-1,2-Dichloroethylene	ND	0.5	ug/L					
trans-1,2-Dichloroethylene	ND	0.5	ug/L					
1,2-Dichloropropane	ND	0.5	ug/L					
cis-1,3-Dichloropropylene	ND	0.5	ug/L					
trans-1,3-Dichloropropylene	ND	0.5	ug/L					
1,3-Dichloropropene, total	ND	0.5	ug/L					
Ethylbenzene	ND	0.5	ug/L					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L					
Hexane	ND	1.0	ug/L					
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L					
Methyl Isobutyl Ketone	ND	5.0	ug/L					
Methyl tert-butyl ether	ND	2.0	ug/L					
Methylene Chloride	ND	5.0	ug/L					
Styrene	ND	0.5	ug/L					
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L					
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L					
Tetrachloroethylene	ND	0.5	ug/L					
Toluene	ND	0.5	ug/L					
1,1,1-Trichloroethane	ND	0.5	ug/L					
1,1,2-Trichloroethane	ND	0.5	ug/L					
Trichloroethylene	ND	0.5	ug/L					
Trichlorofluoromethane	ND	1.0	ug/L					
Vinyl chloride	ND	0.5	ug/L					
m,p-Xylenes	ND	0.5	ug/L					
o-Xylene	ND	0.5	ug/L					
Xylenes, total	ND	0.5	ug/L					
Surrogate: 4-Bromofluorobenzene	74.2		%	92.8	50-140			
Surrogate: Dibromofluoromethane	83.3		%	104	50-140			
Surrogate: Toluene-d8	85.6		%	107	50-140			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Duplicate**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>Anions</b>									
Chloride	60.6	1	mg/L	60.6			0.1	20	
<b>General Inorganics</b>									
Cyanide, free	ND	2	ug/L	ND			NC	20	
pH	7.7	0.1	pH Units	7.8			0.4	3.3	
<b>Hydrocarbons</b>									
F1 PHCs (C6-C10)	ND	25	ug/L	ND			NC	30	
<b>Metals</b>									
Mercury	ND	0.1	ug/L	ND			NC	20	
Antimony	ND	0.5	ug/L	ND			NC	20	
Arsenic	1.8	1	ug/L	2.0			6.7	20	
Barium	138	1	ug/L	141			2.2	20	
Beryllium	ND	0.5	ug/L	ND			NC	20	
Boron	38	10	ug/L	38			0.6	20	
Cadmium	ND	0.1	ug/L	ND			NC	20	
Chromium (VI)	ND	10	ug/L	ND			NC	20	
Chromium	1.9	1	ug/L	1.9			2.5	20	
Cobalt	1.21	0.5	ug/L	1.21			0.0	20	
Copper	4.00	0.5	ug/L	3.90			2.6	20	
Lead	0.89	0.1	ug/L	0.91			2.5	20	
Molybdenum	4.57	0.5	ug/L	4.66			1.9	20	
Nickel	4.9	1	ug/L	4.8			0.2	20	
Selenium	ND	1	ug/L	ND			NC	20	
Silver	ND	0.1	ug/L	ND			NC	20	
Sodium	81400	200	ug/L	83100			2.1	20	
Thallium	ND	0.1	ug/L	ND			NC	20	
Uranium	5.4	0.1	ug/L	5.6			3.0	20	
Vanadium	2.43	0.5	ug/L	2.45			0.9	20	
Zinc	ND	5	ug/L	ND			NC	20	
<b>Volatiles</b>									
Acetone	ND	5.0	ug/L	ND			NC	30	

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Duplicate**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzene	ND	0.5	ug/L	ND			NC	30	
Bromodichloromethane	ND	0.5	ug/L	ND			NC	30	
Bromoform	ND	0.5	ug/L	ND			NC	30	
Bromomethane	ND	0.5	ug/L	ND			NC	30	
Carbon Tetrachloride	ND	0.2	ug/L	ND			NC	30	
Chlorobenzene	ND	0.5	ug/L	ND			NC	30	
Chloroform	ND	0.5	ug/L	ND			NC	30	
Dibromochloromethane	ND	0.5	ug/L	ND			NC	30	
Dichlorodifluoromethane	ND	1.0	ug/L	ND			NC	30	
1,2-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,3-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,4-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
cis-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
trans-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloropropane	ND	0.5	ug/L	ND			NC	30	
cis-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
trans-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
Ethylbenzene	ND	0.5	ug/L	ND			NC	30	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L	ND			NC	30	
Hexane	ND	1.0	ug/L	ND			NC	30	
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	ND			NC	30	
Methyl Isobutyl Ketone	ND	5.0	ug/L	ND			NC	30	
Methyl tert-butyl ether	ND	2.0	ug/L	ND			NC	30	
Methylene Chloride	ND	5.0	ug/L	ND			NC	30	
Styrene	ND	0.5	ug/L	ND			NC	30	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
Tetrachloroethylene	ND	0.5	ug/L	ND			NC	30	

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Duplicate**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Toluene	ND	0.5	ug/L	ND			NC	30	
1,1,1-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
Trichloroethylene	ND	0.5	ug/L	ND			NC	30	
Trichlorofluoromethane	ND	1.0	ug/L	ND			NC	30	
Vinyl chloride	ND	0.5	ug/L	ND			NC	30	
m,p-Xylenes	ND	0.5	ug/L	ND			NC	30	
o-Xylene	ND	0.5	ug/L	ND			NC	30	
Surrogate: 4-Bromofluorobenzene	71.0		%		88.7	50-140			
Surrogate: Dibromofluoromethane	80.2		%		100	50-140			
Surrogate: Toluene-d8	86.6		%		108	50-140			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Spike**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>Anions</b>									
Chloride	69.7	1	mg/L	60.6	90.9	70-124			
<b>General Inorganics</b>									
Cyanide, free	49.0	2	ug/L	ND	97.9	70-130			
<b>Hydrocarbons</b>									
F1 PHCs (C6-C10)	1820	25	ug/L	ND	106	85-115			
F2 PHCs (C10-C16)	1490	100	ug/L	ND	93.2	60-140			
F3 PHCs (C16-C34)	4730	100	ug/L	ND	121	60-140			
F4 PHCs (C34-C50)	3200	100	ug/L	ND	129	60-140			
<b>Metals</b>									
Mercury	2.75	0.1	ug/L	ND	91.6	70-130			
Antimony	38.1	0.5	ug/L	ND	75.5	80-120			QM-07
Arsenic	51.4	1	ug/L	2.0	98.9	80-120			
Barium	173	1	ug/L	141	64.6	80-120			QM-07
Beryllium	46.7	0.5	ug/L	ND	93.2	80-120			
Boron	76	10	ug/L	38	76.9	80-120			QM-07
Cadmium	45.2	0.1	ug/L	ND	90.3	80-120			
Chromium (VI)	199	10	ug/L	ND	99.5	75-115			
Chromium	57.4	1	ug/L	1.9	111	80-120			
Cobalt	53.0	0.5	ug/L	1.21	104	80-120			
Copper	51.1	0.5	ug/L	3.90	94.4	80-120			
Lead	39.2	0.1	ug/L	0.91	76.5	80-120			QM-07
Molybdenum	52.9	0.5	ug/L	4.66	96.5	80-120			
Nickel	53.2	1	ug/L	4.8	96.7	80-120			
Selenium	45.0	1	ug/L	ND	89.4	80-120			
Silver	37.3	0.1	ug/L	ND	74.5	80-120			QM-07
Sodium	10400	200	ug/L	ND	104	80-120			
Thallium	44.5	0.1	ug/L	ND	89.0	80-120			
Uranium	48.3	0.1	ug/L	5.6	85.4	80-120			
Vanadium	59.8	0.5	ug/L	2.45	115	80-120			
Zinc	45	5	ug/L	ND	82.4	80-120			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Spike**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<b>PCBs</b>									
PCBs, total	0.572	0.05	ug/L	ND	114	65-135			
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.192</i>		%		<i>76.9</i>	<i>60-140</i>			
<b>Pesticides, OC</b>									
Aldrin	0.56	0.01	ug/L	ND	112	50-140			
gamma-BHC (Lindane)	0.57	0.01	ug/L	ND	114	50-140			
alpha-Chlordane	0.55	0.01	ug/L	ND	109	50-140			
gamma-Chlordane	0.54	0.01	ug/L	ND	108	50-140			
o,p'-DDD	0.39	0.01	ug/L	ND	78.6	50-140			
p,p'-DDD	0.60	0.01	ug/L	ND	119	50-140			
o,p'-DDE	0.40	0.01	ug/L	ND	80.0	50-140			
p,p'-DDE	0.54	0.01	ug/L	ND	107	50-140			
o,p'-DDT	0.45	0.01	ug/L	ND	90.9	50-140			
p,p'-DDT	0.56	0.01	ug/L	ND	112	50-140			
Dieldrin	0.60	0.01	ug/L	ND	120	50-140			
Endrin	0.58	0.01	ug/L	ND	116	50-140			
Endosulfan I	0.56	0.01	ug/L	ND	111	50-140			
Endosulfan II	0.58	0.01	ug/L	ND	116	50-140			
Heptachlor	0.62	0.01	ug/L	ND	124	50-140			
Heptachlor epoxide	0.60	0.01	ug/L	ND	120	50-140			
Hexachlorobenzene	0.53	0.01	ug/L	ND	106	50-140			
Hexachlorobutadiene	0.54	0.01	ug/L	ND	108	50-140			
Hexachloroethane	0.41	0.01	ug/L	ND	82.6	50-140			
Methoxychlor	0.63	0.01	ug/L	ND	125	50-140			
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.250</i>		%		<i>100</i>	<i>50-140</i>			
<b>Semi-Volatiles</b>									
Acenaphthene	4.10	0.05	ug/L	ND	82.0	50-140			
Acenaphthylene	4.48	0.05	ug/L	ND	89.6	50-140			
Anthracene	4.23	0.01	ug/L	ND	84.5	50-140			
Benzo [a] anthracene	4.09	0.01	ug/L	ND	81.8	50-140			
Benzo [a] pyrene	3.98	0.01	ug/L	ND	79.6	50-140			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Spike**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzo [b] fluoranthene	4.50	0.05	ug/L	ND	90.1	50-140			
Benzo [g,h,i] perylene	3.98	0.05	ug/L	ND	79.6	50-140			
Benzo [k] fluoranthene	4.53	0.05	ug/L	ND	90.5	50-140			
Chrysene	4.25	0.05	ug/L	ND	85.0	50-140			
Dibenzo [a,h] anthracene	4.19	0.05	ug/L	ND	83.8	50-140			
Fluoranthene	4.14	0.01	ug/L	ND	82.9	50-140			
Fluorene	4.44	0.05	ug/L	ND	88.9	50-140			
Indeno [1,2,3-cd] pyrene	4.18	0.05	ug/L	ND	83.7	50-140			
1-Methylnaphthalene	4.15	0.05	ug/L	ND	83.0	50-140			
2-Methylnaphthalene	4.42	0.05	ug/L	ND	88.5	50-140			
Naphthalene	4.09	0.05	ug/L	ND	81.8	50-140			
Phenanthrene	4.23	0.05	ug/L	ND	84.7	50-140			
Pyrene	4.14	0.01	ug/L	ND	82.8	50-140			
<i>Surrogate: 2-Fluorobiphenyl</i>	14.8		%		74.2	50-140			
<i>Surrogate: Terphenyl-d14</i>	15.8		%		79.0	50-140			
<b>Volatiles</b>									
Acetone	86.5	5.0	ug/L	ND	86.5	50-140			
Benzene	30.0	0.5	ug/L	ND	75.1	60-130			
Bromodichloromethane	35.4	0.5	ug/L	ND	88.5	60-130			
Bromoform	29.3	0.5	ug/L	ND	73.4	60-130			
Bromomethane	35.6	0.5	ug/L	ND	88.9	50-140			
Carbon Tetrachloride	40.0	0.2	ug/L	ND	100	60-130			
Chlorobenzene	36.8	0.5	ug/L	ND	92.0	60-130			
Chloroform	34.8	0.5	ug/L	ND	87.0	60-130			
Dibromochloromethane	38.8	0.5	ug/L	ND	96.9	60-130			
Dichlorodifluoromethane	37.6	1.0	ug/L	ND	94.0	50-140			
1,2-Dichlorobenzene	31.8	0.5	ug/L	ND	79.4	60-130			
1,3-Dichlorobenzene	31.6	0.5	ug/L	ND	79.0	60-130			
1,4-Dichlorobenzene	32.3	0.5	ug/L	ND	80.7	60-130			
1,1-Dichloroethane	30.8	0.5	ug/L	ND	77.0	60-130			
1,2-Dichloroethane	33.4	0.5	ug/L	ND	83.4	60-130			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**Method Quality Control: Spike**

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
1,1-Dichloroethylene	28.2	0.5	ug/L	ND	70.5	60-130			
cis-1,2-Dichloroethylene	32.0	0.5	ug/L	ND	80.1	60-130			
trans-1,2-Dichloroethylene	33.8	0.5	ug/L	ND	84.6	60-130			
1,2-Dichloropropane	29.1	0.5	ug/L	ND	72.7	60-130			
cis-1,3-Dichloropropylene	31.5	0.5	ug/L	ND	78.7	60-130			
trans-1,3-Dichloropropylene	29.7	0.5	ug/L	ND	74.4	60-130			
Ethylbenzene	33.0	0.5	ug/L	ND	82.4	60-130			
Ethylene dibromide (dibromoethane, 1,2-)	32.5	0.2	ug/L	ND	81.4	60-130			
Hexane	45.4	1.0	ug/L	ND	113	60-130			
Methyl Ethyl Ketone (2-Butanone)	63.5	5.0	ug/L	ND	63.5	50-140			
Methyl Isobutyl Ketone	66.5	5.0	ug/L	ND	66.5	50-140			
Methyl tert-butyl ether	68.0	2.0	ug/L	ND	68.0	50-140			
Methylene Chloride	29.0	5.0	ug/L	ND	72.5	60-130			
Styrene	34.6	0.5	ug/L	ND	86.5	60-130			
1,1,1,2-Tetrachloroethane	38.6	0.5	ug/L	ND	96.5	60-130			
1,1,2,2-Tetrachloroethane	38.3	0.5	ug/L	ND	95.8	60-130			
Tetrachloroethylene	35.3	0.5	ug/L	ND	88.2	60-130			
Toluene	33.2	0.5	ug/L	ND	83.1	60-130			
1,1,1-Trichloroethane	35.6	0.5	ug/L	ND	89.0	60-130			
1,1,2-Trichloroethane	32.7	0.5	ug/L	ND	81.7	60-130			
Trichloroethylene	34.1	0.5	ug/L	ND	85.3	60-130			
Trichlorofluoromethane	38.4	1.0	ug/L	ND	96.0	60-130			
Vinyl chloride	40.6	0.5	ug/L	ND	101	50-140			
m,p-Xylenes	69.0	0.5	ug/L	ND	86.2	60-130			
o-Xylene	36.2	0.5	ug/L	ND	90.4	60-130			
Surrogate: 4-Bromofluorobenzene	68.1		%		85.1	50-140			
Surrogate: Dibromofluoromethane	86.3		%		108	50-140			
Surrogate: Toluene-d8	80.7		%		101	50-140			

Certificate of Analysis

Report Date: 02-Dec-2025

Client: Hatch Ltd. (Mississauga)

Order Date: 26-Nov-2025

Client PO:

Project Description: H377031

**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:**

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

*CCME PHC additional information:*

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

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



Parcel ID: 2548262



1 Office  
2319 St. Laurent Blvd.  
W. Ontario K1G 4 J8  
800-749-1947  
www.paracellabs.com  
paracellabs.com

2548261 (Soils), 2548262 (GW)

Parcel Order Number  
(Lab Use Only)  
2548283 (Sub-Reg 558)  
2548287 (Sub-Reg 406)

Chain Of Custody  
(Lab Use Only)  
Page 1 of 4

Client Name: Hatch Ltd.  
Project Ref: H377031  
Contact Name: Owen Salvucci  
Quote #: 25-561  
Address: 2699 Speakman Drive, Mississauga  
PO #:  
E-mail: owen.salvucci@hatch.com  
Telephone: 289-326-1525

Turnaround Time  
 1 day  3 day  
 2 day  Regular

REG 153/04  REG 406/19  Other Regulation  
 Table 1  Agri/Other  Med/Fine  REG 558  PWQO  
 Table 2  Res/Park  Coarse  CCME  MISA  
 Table 3  Ind/Comm  SU - Sani  SU - Storm  
 Table ALL  
Mun: \_\_\_\_\_  
For RSC:  Yes  No  
 Other: \_\_\_\_\_

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

Required Analysis

Sample ID/Location Name	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken		M&I	PHCS	VOCs	PAHs	PCBs	OCPs	mSPLP	TCLP	HOLD	HOLD
					Date	Time										
1 TP25-01-S1	S		2		11/23/25	10:15										
2 TP25-01-S2	S		2		11/23/25	10:15	X	X	X	X	X	X			X	
3 TP25-01-S3	S		2		11/23/25	10:15	X	X	X	X	X	X				
4 TP25-01-S4	S		2		11/23/25	10:15	X	X	X	X	X	X				
5 TP25-02-S1	S		2		11/23/25	9:45	X	X	X	X	X	X				
6 TP25-02-S2	S		2		11/23/25	9:45									X	
7 TP25-02-S3	S		2		11/23/25	9:45	X	X	X	X	X	X				
8 TP25-03-S1	S		2		11/23/25	8:30	X	X	X	X	X	X			X	
9 TP25-03-S2	S		4		11/23/25	8:30	X	X	X	X	X	X				
10 TP25-03-S3	S		2		11/23/25	8:30	X	X	X	X	X	X				

Comments: For mSPLP analysis, please test for metals, VOCs, OCPs, ABNs. For TCLP analysis please test for M&I, PAHs, VOCs, PCBs, OCPs, ignitability. Please compare soil results to all REG 153/04 and 406/19 tables.

Method of Delivery: FEDEX

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Relinquished By (Sign): *Owen Salvucci* Received at Depot: \_\_\_\_\_  
 Relinquished By (Print): Owen Salvucci Date/Time: \_\_\_\_\_ Received at Lab: LTJ Verified By: LTJ  
 Date/Time: 11/25/25 15:30 Temperature: \_\_\_\_\_ °C Date/Time: 27/11/25 11:30 Date/Time: 27/11/25 11:30  
 Temperature: 15.5 12.7 pH Verified:  By: \_\_\_\_\_

12.5



Parcel ID: 2548262



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Parcel Order Number  
(Lab Use Only)

283 (Sub-Reg 558)  
287 (Sub-Reg 406)

Chain Of Custody  
(Lab Use Only)

Client Name: Hatch Ltd. Project Ref: H377031 Page 2 of 4

Contact Name: Owen Salvucci Quote #: 25-561

Address: 2699 Speakman Drive, Mississauga PO #: Turnaround Time

E-mail: owen.salvucci@hatch.com

Telephone: 289-326-1525

1 day  3 day  
 2 day  Regular  
 Date Required:

<input checked="" type="checkbox"/> REG 153/04 <input checked="" type="checkbox"/> REG 406/19 <input type="checkbox"/> Other Regulation		Matrix Type: S (Soil/Sed.) GW (Ground Water)		Required Analysis												
<input type="checkbox"/> Table 1 <input type="checkbox"/> Agri/Other <input type="checkbox"/> Med/Fine <input type="checkbox"/> Table 2 <input type="checkbox"/> Res/Park <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Table ALL For RSC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> REG 558 <input type="checkbox"/> PWQO <input type="checkbox"/> CCME <input type="checkbox"/> MISA <input type="checkbox"/> SU - Sani <input type="checkbox"/> SU - Storm Mun: _____ <input type="checkbox"/> Other: _____		SW (Surface Water) SS (Storm/Sanitary Sewer)												
Sample ID/Location Name		Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken		M&I	PHCS	VOCs	PAHs	PCBs	OCPs	mSPLP	TCLP	HOLD
						Date	Time									
1	TP25-04-S1	S		2		11/22/25	15:00									
2	TP25-04-S2	S		2		11/22/25	15:00	X	X	X	X	X	X	X		X
3	TP25-04-S3	S		2		11/22/25	15:00	X	X	X	X	X	X	X		
4	TP25-05-S1	S		2		11/22/25	14:30	X	X	X	X	X	X	X		
5	TP25-05-S2	S		4		11/22/25	14:30	X	X	X	X	X	X	X		
6	TP25-05-S3	S		2		11/22/25	14:30									X
7	TP25-06-S1	S		2		11/22/25	10:00	X	X	X	X	X	X	X		
8	TP25-07-S1	S		2		11/22/25	10:30	X	X	X	X	X	X	X		
9	TP25-08-S1	S		2		11/22/25	11:00	X	X	X	X	X	X	X		
10	TP25-09-S1	S		4		11/22/25	11:15	X	X	X	X	X	X	X		

Comments: For mSPLP analysis, please test for metals, VOCs, OCPs, ABNs. For TCLP analysis please test for M&I, PAHs, VOCs, PCBs, OCPs, ignitability. Please compare soil results to all REG 153/04 and 406/19 tables.

Method of Delivery: **FEDEX**

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Relinquished By (Sign): <i>Owen Salvucci</i>	Received at Depot:	Received at Lab: <i>LITJ</i>	Verified By: <i>LITJ</i>
Relinquished By (Print): Owen Salvucci	Date/Time:	Date/Time: <i>27/11/25; 11:30</i>	Date/Time: <i>27/11/25; 11:40</i>
Date/Time: 11/25/25 15:30	Temperature: °C	Temperature: <i>15.5, 12.7,</i>	pH Verified: <input type="checkbox"/> By:

12-5



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261 (Soils), 262 (GW)  
Parcel Order Number  
(Lab Use Only)  
283 (Sub-Reg 558)  
287 (Sub-Reg 406)

Client Name: Hatch Ltd. Project Ref: H377031  
 Contact Name: Owen Salvucci Quote #: 25-561  
 Address: 2699 Speakman Drive, Mississauga PO #:  
 Telephone: 289-326-1525 E-mail: owen.salvucci@hatch.com  
 Page 3 of 4  
 Turnaround Time:  
 1 day  3 day  
 2 day  Regular  
 Date Required:

REG 153/04		REG 406/19		Other Regulation		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)		Required Analysis														
<input type="checkbox"/> Table 1	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> Med/Fine	<input checked="" type="checkbox"/> REG 558	<input type="checkbox"/> PWQO	<input type="checkbox"/> CCME	<input type="checkbox"/> MISA																
<input type="checkbox"/> Table 2	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Coarse	<input type="checkbox"/> SU - Sani	<input type="checkbox"/> SU - Storm																		
<input type="checkbox"/> Table 3	<input type="checkbox"/> Ind/Comm		Mun: _____																			
<input type="checkbox"/> Table ALL		For RSC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Other: _____																		
Sample ID/Location Name		Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken		M&I	PHCS	VOCs	PAHS	PCBs	OCPs	mSPLP	TCLP	HOLD						
Date	Time																					
1	TP25-10-S1	S		2		11/22/25	11:45	X	X	X	X	X	X									
2	TP25-11-S1	S		2		11/22/25	12:15	X	X	X	X	X	X									
3	TP25-11-S2	S		2		11/22/25	12:15	X	X	X	X	X	X									
4	TP25-12-S1	S		2		11/22/25	13:30	X	X	X	X	X	X									
5	TP25-13-S1	S		2		11/23/25	11:45	X	X	X	X	X	X									
6	TCLP-01	S		2		11/22/25	17:00															
7	TCLP-02	S		2		11/23/25	17:00															
8																						
9																						
10																						

Comments: For mSPLP analysis, please test for metals, VOCs, OCPs, ABNs. For TCLP analysis please test for M&I, PAHs, VOCs, PCBs, OCPs, ignitability. Please compare soil results to all REG 153/04 and 406/19 tables.  
 Method of Delivery: FEDEX

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Relinquished By (Sign): <i>Owen Salvucci</i>	Received at Depot:	Received at Lab: LTT	Verified By: LTT
Relinquished By (Print): Owen Salvucci	Date/Time:	Date/Time: 27/11/25, 11:30	Date/Time: 27/11/25, 11:40
Date/Time: 11/25/25 15:30	Temperature: °C	Temperature: 15.5, 12.7	pH Verified: <input type="checkbox"/> By:

12.5



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261 (Soils) 262 (GW)

Paracel Order Number  
(Lab Use Only)  
283 (Sub-Reg 558)  
287 (Sub-Reg 706)

Chain Of Custody  
(Lab Use Only)

Client Name: Hatch Ltd. Project Ref: H377031  
 Contact Name: Owen Salvucci Quote #: 25-561 Page 4 of 4  
 Address: 2699 Speakman Drive, Mississauga PO #: Turnaround Time  
 Telephone: 289-326-1525 E-mail: owen.salvucci@hatch.com  
 1 day  3 day  
 2 day  Regular  
 Date Required:

REG 153/04 <input checked="" type="checkbox"/> REG 406/19 <input type="checkbox"/>		Other Regulation		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)			Required Analysis									
<input type="checkbox"/> Table 1	<input type="checkbox"/> Agri/Other	<input type="checkbox"/> Med/Fine	<input type="checkbox"/> REG 558	<input checked="" type="checkbox"/> PWQO	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken		M&I	PHCS	VOCs	PAHS	PCBS	OCP
<input type="checkbox"/> Table 2	<input type="checkbox"/> Res/Park	<input type="checkbox"/> Coarse	<input type="checkbox"/> CCME	<input type="checkbox"/> MISA					Date	Time						
<input type="checkbox"/> Table 3	<input type="checkbox"/> Ind/Comm		<input type="checkbox"/> SU - Sani	<input type="checkbox"/> SU - Storm												
<input type="checkbox"/> Table ALL			Mun: _____	<input type="checkbox"/> Other: _____												
For RSC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																
Sample ID/Location Name																
1	BH25-01	GW		12	N	11/24/25	10:00									
2	BH25-02	GW		12	Y	11/24/25	12:00									
3	BH25-03	GW		12	Y	11/24/25	14:00									
4	DUP-01	GW		12	N	11/24/25	10:00									
5																
6																
7																
8																
9																
10																

Comments: Please compare groundwater results to all REG 153/04 and PWQO tables.

Method of Delivery: FEDEX

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Relinquished By (Sign): <i>Owen Salvucci</i>	Received at Depot:	Received at Lab: LTT	Verified By: LTT
Relinquished By (Print): Owen Salvucci	Date/Time:	Date/Time: 27/11/25, 11:30	Date/Time: 27/11/25, 11:40
Date/Time: 11/25/25 15:30	Temperature: °C	Temperature: 15.5, 12.7	pH Verified: By: LTT

12.5

# **Appendix H**

## **Laboratory Certificates of Analysis**

### **May 2025**



**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

## CERTIFICATE OF ANALYSIS

Client:	Jessica Wain	Work Order Number:	577121
Company:	Hatch Industries - Mississauga	PO #:	
Address:	2699 Speakman Drive Mississauga, ON, L5K 1B1	Regulation:	O.Reg 153 Table 1 Ground Water
Phone:	(289) 326-2379	Project #:	Englehart Sampling Investigation
Email:	jessica.wain@hatch.com	DWS #:	
		Sampled By:	Adil Gulam
Date Order Received:	5/9/2025	Analysis Started:	5/14/2025
Arrival Temperature:	15.8 C	Analysis Completed:	5/21/2025

### WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
BH25-01-S1	2140455	Soil	Grab	SAMPLE CONTAINED RESULT EXCEEDENCES.	5/9/2025	8:50 AM
BH25-01-S2	2140456	Soil	Grab		5/9/2025	10:15 AM
BH25-02-S1	2140457	Soil	Grab	SAMPLE CONTAINED RESULT EXCEEDENCES.	5/8/2025	6:00 PM
BH25-02-S2	2140458	Soil	Grab		5/8/2025	7:15 PM
BH25-03-S1	2140459	Soil	Grab		5/8/2025	5:15 PM
BH25-03-S2 (Dup of S1)	2140460	Soil	Grab		5/8/2025	5:20 PM

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
BTEX/F1 Soil (A127)	Garson	Determination of PHC BTEX/F1 in Soil - Tier 1 CCME	Modified from CWS PHC Tier I CCME
Cond Soil (A12)	Garson	Determination of conductivity in soil (1:2)	Modified from EPA SW846-9050A
Cr (VI) Soil (A83)	Garson	Determination of Chromium (VI) in Soil	Modified from EPA SW846 3060A, APHA-3500 Cr B
ICPMS HW Ext. Soil Boron (OReg. 153) (A13)	Garson	Determination of Extractable Boron in Soil	Modified from Gupta, 1967, Soil Science, 103: 424-428; MOE E3470
ICPMS Reg. Water (A13)	Garson	Determination of Metals in Water by ICP/MS	Modified from SW846-6020A



**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

## CERTIFICATE OF ANALYSIS

Hatch Industries - Mississauga

Work Order Number: 577121

Method	Lab	Description	Reference
ICPMS Soil (A13)	Garson	Determination of Metals in Soil by ICP/MS and BCSALM Method	Modified from SW846-6020A
Moisture (A99)	Garson	Determination of Percent Moisture	In-House
PAH Soil SIM (A41.2)	Garson	Determination of PAH in Soil by GC/MS	Modified from SW846-8270D
PAH+ Soil SIM (A41.2)	Garson	Determination of PAH in Soil by GC/MS	Modified from SW846-8270D
PCBs Soil (A19)	Garson	Determination of Polychlorinated Biphenyls in Soil by GC/ECD	Modified from SW846-8082A
pH Soil (A2.0)	Garson	Determination of soil pH by Ion Selective Electrode	Modified from EPA SW-846 9045D
PHC F2-F4 Soil (A59)	Garson	Determination of PHC (F2-F4) in Soil - Tier 1 CCME by GC/FID	Modified from CWS PHC Tier I CCME
PHC F2-F4 Soil - PAH (A59)	Garson	Calculation of PHC F2-F4 With PAHs Subtracted	Modified from CWS PHC Tier I CCME
SAR (R98)	Garson	Determination of Sodium Adsorption Ratio	Modified from MOE
VOC Methanol Soil (A14.7)	Garson	Determination of Volatile Organic Compounds in Soil by P&T/GC/MS	Modified from SW846 M8260
WAD CN Soil (A43)	Kirkland Lake	Determination of Weak Acid Dissociable Cyanide in Soil using Sodium Hydroxide Extraction	Modified from ASTM D7511-09e2

This report has been approved by:

Aline de Chevigny  
Production Coordinator CET



**CERTIFICATE OF ANALYSIS**

Hatch Industries - Mississauga

Work Order Number: 577121

**WORK ORDER RESULTS**

Sample Description	BH25 - 01 - S1		BH25 - 01 - S2		BH25 - 02 - S1		BH25 - 02 - S2			
Sample Date	5/9/2025 8:50 AM		5/9/2025 10:15 AM		5/8/2025 6:00 PM		5/8/2025 7:15 PM			
Lab ID	2140455		2140456		2140457		2140458			
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
% Moisture	30.6	0.1	23.3	0.1	17.3	0.1	22.4	0.1	%	~
Conductivity	122	1			47 [46]	1			µS/cm	~
Cr(VI)	<0.2	0.2			<0.2 [<0.2]	0.2			µg/g	25
pH	6.39	N/A			6.17	N/A			pH	~
Sodium Adsorption Ratio (Calc.)	1.01	0.02			0.56	0.02			NA	~
Weak Acid Dissociable Cyanide	0.03 [0.03]	0.01			<0.01	0.01			µg/g	~
Sample Description	BH25 - 03 - S1		BH25 - 03 - S2 (Dup of S1)							
Sample Date	5/8/2025 5:15 PM		5/8/2025 5:20 PM							
Lab ID	2140459		2140460							
General Chemistry	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water				
% Moisture	30.0	0.1	19.5	0.1	%	~				
Sample Description	BH25 - 01 - S1		BH25 - 02 - S1							
Sample Date	5/9/2025 8:50 AM		5/8/2025 6:00 PM							
Lab ID	2140455		2140457							
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water				
Aluminum	5090 [5340]	50*	5270	50*	µg/g	~				



**CERTIFICATE OF ANALYSIS**

Hatch Industries - Mississauga

Work Order Number: 577121

Sample Description	BH25 - 01 - S1		BH25 - 02 - S1			
Sample Date	5/9/2025 8:50 AM		5/8/2025 6:00 PM			
Lab ID	2140455		2140457			
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
Antimony	<0.5 [<0.5]	0.5*	<0.5	0.5*	µg/g	1.5
Arsenic	8.3 [7.8]	0.5*	8.3	0.5*	µg/g	13
Barium	60 [63]	5*	51.2	0.5*	µg/g	610
Beryllium	<0.5 [<0.5]	0.5*	<0.5	0.5*	µg/g	0.5
Bismuth	<0.5 [<0.5]	0.5*	<0.5	0.5*	µg/g	~
Boron	3.3 [3.2]	0.5*	6.8	0.5*	µg/g	1700
Boron, Extractable (HWE)	0.27	0.04*	0.06 [0.06]	0.04*	µg/g	~
Cadmium	0.39 [0.41]	0.05*	0.06	0.05*	µg/g	0.5
Calcium	6620 [6350]	30*	2370	30*	µg/g	~
Cerium	26.3 [26.7]	0.5*	23.5	0.5*	µg/g	~
Cesium	<0.5 [<0.5]	0.5*	0.5	0.5*	µg/g	~
Chromium	27.4 [28.0]	0.5*	31.1	0.5*	µg/g	11
Cobalt	5.80 [5.94]	0.05*	5.18	0.05*	µg/g	3.8
Copper	18.3 [19.4]	0.5*	5.5	0.5*	µg/g	5
Europium	<0.5 [<0.5]	0.5*	<0.5	0.5*	µg/g	~
Gallium	3.8 [3.9]	0.5*	3.5	0.5*	µg/g	~



**CERTIFICATE OF ANALYSIS**

Hatch Industries - Mississauga

Work Order Number: 577121

Sample Description	BH25 - 01 - S1		BH25 - 02 - S1			
Sample Date	5/9/2025 8:50 AM		5/8/2025 6:00 PM			
Lab ID	2140455		2140457			
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
Iron	9700 [9660]	100*	12000	100*	µg/g	~
Lanthanum	12.0 [12.2]	0.5*	11.6	0.5*	µg/g	~
Lead	5.3 [5.2]	0.5*	2.3	0.5*	µg/g	1.9
Lithium	9 [10]	3*	11	3*	µg/g	~
Magnesium	4000 [4000]	2*	3140	2*	µg/g	~
Manganese	856 [887]	5*	229	5*	µg/g	~
Mercury	<0.05 [<0.05]	0.05*	<0.05	0.05*	µg/g	0.1
Molybdenum	<0.5 [<0.5]	0.5*	1.8	0.5*	µg/g	23
Nickel	9.8 [9.2]	0.5*	9.0	0.5*	µg/g	14
Niobium	0.5 [<0.5]	0.5*	<0.5	0.5*	µg/g	~
Phosphorus	580 [574]	30*	375	30*	µg/g	~
Potassium	410 [390]	50*	460	50*	µg/g	~
Rubidium	4.5 [4.6]	0.5*	4.8	0.5*	µg/g	~
Scandium	1.7 [1.6]	0.5*	2.2	0.5*	µg/g	~
Selenium	<0.5 [<0.5]	0.5*	<0.5	0.5*	µg/g	5
Silicon	430 [400]	300*	430	300*	µg/g	~



**CERTIFICATE OF ANALYSIS**

Hatch Industries - Mississauga

Work Order Number: 577121

Sample Description	BH25 - 01 - S1		BH25 - 02 - S1			
Sample Date	5/9/2025 8:50 AM		5/8/2025 6:00 PM			
Lab ID	2140455		2140457			
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
Silver	<0.5 [<0.5]	0.5*	<0.5	0.5*	µg/g	0.3
Sodium	180 [170]	50*	77	50*	µg/g	490000
Strontium	11.4 [11.4]	0.5*	8.2	0.5*	µg/g	~
Sulfur	2900 [2800]	400*	1300	400*	µg/g	~
Tellurium	<0.5 [<0.5]	0.5*	<0.5	0.5*	µg/g	~
Thallium	<0.3 [<0.3]	0.3*	<0.3	0.3*	µg/g	0.5
Thorium	0.8 [0.7]	0.5*	2.2	0.5*	µg/g	~
Tin	<0.5 [<0.5]	0.5*	<0.5	0.5*	µg/g	~
Titanium	259 [254]	5*	438	5*	µg/g	~
Tungsten	<0.5 [<0.5]	0.5*	<0.5	0.5*	µg/g	~
Uranium	<0.5 [<0.5]	0.5*	<0.5	0.5*	µg/g	8.9
Vanadium	18.5 [18.0]	0.5*	20.0	0.5*	µg/g	3.9
Yttrium	4.0 [4.1]	0.5*	3.3	0.5*	µg/g	~
Zinc	48.3 [49.8]	0.5*	18.9	0.5*	µg/g	160
Zirconium	2.5 [2.2]	0.5*	6.5	0.5*	µg/g	~



**CERTIFICATE OF ANALYSIS**

Hatch Industries - Mississauga

Work Order Number: 577121

Sample Description	BH25 - 01 - S1		BH25 - 02 - S1			
Sample Date	5/9/2025 8:50 AM		5/8/2025 6:00 PM			
Lab ID	2140455		2140457			
Metals (Water)	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
Calcium	57300	500*	9990	500*	ug/L	~
Magnesium	15700	40*	2080	40*	ug/L	~
Sodium	33500	1000*	7500	1000*	ug/L	490000

Sample Description	BH25 - 01 - S1		BH25 - 02 - S1		BH25 - 03 - S1		BH25 - 03 - S2 (Dup of S1)			
Sample Date	5/9/2025 8:50 AM		5/8/2025 6:00 PM		5/8/2025 5:15 PM		5/8/2025 5:20 PM			
Lab ID	2140455		2140457		2140459		2140460			
PAH	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
1+2-Chloronaphthalene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	~
1+2-Methylnaphthalene (Calc.)	<0.01	0.01	<0.01	0.01	<0.01	0.01	<0.01	0.01	µg/g	2
1-Methylnaphthalene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	2
2-Methylnaphthalene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	2
3,3'-Dichlorobenzidine	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	0.5
Acenaphthene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	4.1
Acenaphthylene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	1
Anthracene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	0.1
Benzo(a)anthracene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	0.2
Benzo(a)pyrene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	0.01
Benzo(b)fluoranthene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	0.1
Benzo(ghi)perylene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	0.2
Benzo(k)fluoranthene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	0.1



**CERTIFICATE OF ANALYSIS**

Hatch Industries - Mississauga

Work Order Number: 577121

Sample Description	BH25 - 01 - S1		BH25 - 02 - S1		BH25 - 03 - S1		BH25 - 03 - S2 (Dup of S1)			
Sample Date	5/9/2025 8:50 AM		5/8/2025 6:00 PM		5/8/2025 5:15 PM		5/8/2025 5:20 PM			
Lab ID	2140455		2140457		2140459		2140460			
PAH	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
Biphenyl	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	0.5
Chrysene	<0.009	0.009	<0.01	0.01	0.01	0.01	<0.009	0.009	µg/g	0.1
Dibenz(a,h)anthracene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	0.2
Fluoranthene	<0.009	0.009	<0.01	0.01	0.02	0.01	<0.009	0.009	µg/g	0.4
Fluorene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	120
Fluorobiphenyl (Surr.)	120	N/A	101	N/A	106	N/A	120	N/A	% Rec	~
Indeno(1,2,3-c,d)pyrene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	0.2
Naphthalene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	7
Perylene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	~
Phenanthrene	<0.009	0.009	<0.01	0.01	<0.01	0.01	<0.009	0.009	µg/g	0.1
p-Terphenyl-d14 (Surr.)	99.3	N/A	87.7	N/A	84.1	N/A	92.8	N/A	% Rec	~
Pyrene	<0.009	0.009	<0.01	0.01	0.01	0.01	<0.009	0.009	µg/g	0.2

Sample Description	BH25 - 01 - S2			
Sample Date	5/9/2025 10:15 AM			
Lab ID	2140456			
PCBs	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
Aroclor 1242	<0.005	0.005	µg/g	~
Aroclor 1248	<0.005	0.005	µg/g	~
Aroclor 1254	<0.005	0.005	µg/g	~
Aroclor 1260	<0.005	0.005	µg/g	~



**CERTIFICATE OF ANALYSIS**

Hatch Industries - Mississauga

Work Order Number: 577121

<b>Sample Description</b>	<b>BH25 - 01 - S2</b>			
<b>Sample Date</b>	5/9/2025 10:15 AM			
<b>Lab ID</b>	2140456			
<b>PCBs</b>	<b>Result</b>	<b>MDL</b>	<b>Units</b>	<b>Criteria: O.Reg 153 Table 1 Ground Water</b>
Decachlorobiphenyl (Surr.)	114	N/A	% Rec	~
Total PCBs	<0.005	0.005	µg/g	0.2

<b>Sample Description</b>	<b>BH25 - 01 - S1</b>		<b>BH25 - 01 - S2</b>		<b>BH25 - 02 - S1</b>		<b>BH25 - 02 - S2</b>			
<b>Sample Date</b>	5/9/2025 8:50 AM		5/9/2025 10:15 AM		5/8/2025 6:00 PM		5/8/2025 7:15 PM			
<b>Lab ID</b>	2140455		2140456		2140457		2140458			
<b>Petroleum Hydrocarbons (Soil)</b>	<b>Result</b>	<b>MDL</b>	<b>Result</b>	<b>MDL</b>	<b>Result</b>	<b>MDL</b>	<b>Result</b>	<b>MDL</b>	<b>Units</b>	<b>Criteria: O.Reg 153 Table 1 Ground Water</b>
F1 (C6-C10) - Less BTEX (Calc.)	<3	3			2 [<2]	2			µg/g	420
F1 (C6-C10) Incl. BTEX	<3	3	4	3	2 [<2]	2	<2	2	µg/g	~
F2 (C10-C16)	<10	10			<10	10			µg/g	150
F2 (C10-C16)-Naph (Calc.)	<8	8			<8	8			µg/g	~
F3 (C16-C34)	93	20			<10	10			µg/g	500
F3 (C16-C34)-PAH (Calc.)	<8	8			<8	8			µg/g	~
F4 (C34-C50)	<30	30			<20	20			µg/g	500
F4 (C34-C50) (Calc.)	<8	8			<8	8			µg/g	500
Baseline @ C50	Yes	N/A			Yes	N/A			NA	~
Benzene	<0.03	0.03			<0.02 [<0.02]	0.02			µg/g	0.5
Ethylbenzene	<0.03	0.03			<0.02 [<0.02]	0.02			µg/g	0.5
Toluene	0.17	0.03			<0.02 [<0.02]	0.02			µg/g	0.8



**CERTIFICATE OF ANALYSIS**

Hatch Industries - Mississauga

Work Order Number: 577121

Sample Description	BH25 - 01 - S1		BH25 - 01 - S2		BH25 - 02 - S1		BH25 - 02 - S2			
Sample Date	5/9/2025 8:50 AM		5/9/2025 10:15 AM		5/8/2025 6:00 PM		5/8/2025 7:15 PM			
Lab ID	2140455		2140456		2140457		2140458			
Petroleum Hydrocarbons (Soil)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
m+p-Xylene	<0.06	0.06			<0.05 [<0.05]	0.05			µg/g	~
o-Xylene	<0.03	0.03			<0.02 [<0.02]	0.02			µg/g	~
Total Xylenes (Calc.)	<0.04	0.04			<0.03 [<0.03]	0.03			µg/g	72
1,4-dichlorobenzene-d4 (Surr.)	87.7	N/A			87 [86.7]	N/A			% Rec	~
o-Terphenyl (Surr.)	92	N/A			84	N/A			% Rec	~
undecane (Surr.)	98.3	N/A	100	N/A	97.5 [97.2]	N/A	96.4	N/A	% Rec	~
1,2-dichlorobenzene-d4 (Surr.)	118	N/A			92.4 [96.9]	N/A			% Rec	~
Sample Description	BH25 - 03 - S1		BH25 - 03 - S2 (Dup of S1)							
Sample Date	5/8/2025 5:15 PM		5/8/2025 5:20 PM							
Lab ID	2140459		2140460							
Petroleum Hydrocarbons (Soil)	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water				
F1 (C6-C10) - Less BTEX (Calc.)	<3	3	<2	2	µg/g	420				
F1 (C6-C10) Incl. BTEX	<3	3	<2	2	µg/g	~				
F2 (C10-C16)	<10	10	<10 [<10]	10	µg/g	150				
F2 (C10-C16)-Naphth (Calc.)	<2	2	<2	2	µg/g	~				
F3 (C16-C34)	49	20	23 [29]	20	µg/g	500				
F3 (C16-C34)-PAH (Calc.)	49	5	23	4	µg/g	~				



**CERTIFICATE OF ANALYSIS**

Hatch Industries - Mississauga

Work Order Number: 577121

Sample Description	BH25 - 03 - S1		BH25 - 03 - S2 (Dup of S1)			
Sample Date	5/8/2025 5:15 PM		5/8/2025 5:20 PM			
Lab ID	2140459		2140460			
Petroleum Hydrocarbons (Soil)	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
F4 (C34-C50)	<30	30	<30 [<30]	30	µg/g	500
F4 (C34-C50) (Calc.)	<7	7	<6	6	µg/g	500
Baseline @ C50	Yes	N/A	Yes [Yes]	N/A	NA	~
Benzene	<0.03	0.03	<0.02	0.02	µg/g	0.5
Ethylbenzene	<0.03	0.03	<0.02	0.02	µg/g	0.5
Toluene	<0.03	0.03	<0.02	0.02	µg/g	0.8
m+p-Xylene	<0.06	0.06	<0.04	0.04	µg/g	~
o-Xylene	<0.03	0.03	<0.02	0.02	µg/g	~
Total Xylenes (Calc.)	<0.03	0.03	<0.03	0.03	µg/g	72
1,4-dichlorobenzene-d4 (Surr.)	88	N/A	85.4	N/A	% Rec	~
o-Terphenyl (Surr.)	88	N/A	84 [88]	N/A	% Rec	~
undecane (Surr.)	98	N/A	84.7	N/A	% Rec	~
1,2-dichlorobenzene-d4 (Surr.)	94	N/A	91.6	N/A	% Rec	~

Sample Description	BH25 - 01 - S2		BH25 - 02 - S2			
Sample Date	5/9/2025 10:15 AM		5/8/2025 7:15 PM			
Lab ID	2140456		2140458			
Volatile Organic Compounds	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
Benzene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5



**CERTIFICATE OF ANALYSIS**

Hatch Industries - Mississauga

Work Order Number: 577121

Sample Description	BH25 - 01 - S2		BH25 - 02 - S2			
Sample Date	5/9/2025 10:15 AM		5/8/2025 7:15 PM			
Lab ID	2140456		2140458			
Volatile Organic Compounds	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
Ethylbenzene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
Toluene	0.009	0.007	<0.006 [0.016]	0.006	µg/g	0.8
m+p-Xylene	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	~
o-Xylene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	~
Total Xylenes (Calc.)	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	72
1,1,1,2-Tetrachloroethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	1.1
1,1,1-Trichloroethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
1,1,2,2-Tetrachloroethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
1,1,2-Trichloroethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
1,1-Dichloroethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
1,1-Dichloroethylene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
1,2,4-Trichlorobenzene	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	0.5
1,2-Dibromo-3-chloropropane	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	~
1,2-Dibromoethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.2
1,2-Dichlorobenzene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
1,2-Dichloroethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5



**CERTIFICATE OF ANALYSIS**

Hatch Industries - Mississauga

Work Order Number: 577121

Sample Description	BH25 - 01 - S2		BH25 - 02 - S2			
Sample Date	5/9/2025 10:15 AM		5/8/2025 7:15 PM			
Lab ID	2140456		2140458			
Volatile Organic Compounds	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
1,2-Dichloroethane-d4 (Surr)	99.7	N/A	99.3 [99.1]	N/A	% Rec	~
1,2-Dichloropropane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
1,3-Dichlorobenzene	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	0.5
1,3-Dichloropropane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	~
1,4-Dichlorobenzene	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	0.5
1-Bromo-4-fluorobenzene (Surr.)	115	N/A	114 [115]	N/A	% Rec	~
Acetone	<0.1	0.1	<0.1 [<0.1]	0.1	µg/g	2700
Bromobenzene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	~
Bromochloromethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	~
Bromodichloromethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	2
Bromoform	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	5
Bromomethane	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	0.89
Carbon tetrachloride	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.2
Chlorobenzene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
Chloroethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	~
Chloroform	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	2



**CERTIFICATE OF ANALYSIS**

Hatch Industries - Mississauga

Work Order Number: 577121

Sample Description	BH25 - 01 - S2		BH25 - 02 - S2			
Sample Date	5/9/2025 10:15 AM		5/8/2025 7:15 PM			
Lab ID	2140456		2140458			
Volatile Organic Compounds	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
Chloromethane	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	~
cis - + trans-1,3-Dichloropropene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
cis-1,2-Dichloroethylene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	1.6
cis-1,3-Dichloropropene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	~
Dibromochloromethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	2
Dibromomethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	~
Dichlorodifluoromethane	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	590
Dichloromethane	<0.1	0.1	<0.1 [<0.1]	0.1	µg/g	5
Hexachlorobutadiene	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	0.01
Methyl ethyl ketone	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	400
Methyl isobutyl ketone (MIBK)	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	640
Methyl tert-butyl ether (MTBE)	<0.01	0.01	<0.01 [<0.01]	0.01	µg/g	15
n-Hexane	0.030	0.007	0.076 [0.063]	0.006	µg/g	5
Styrene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
Tetrachloroethylene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
Toluene-d8 (Surr.)	105	N/A	105 [104]	N/A	% Rec	~



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## CERTIFICATE OF ANALYSIS

Hatch Industries - Mississauga

Work Order Number: 577121

Sample Description	BH25 - 01 - S2		BH25 - 02 - S2			
Sample Date	5/9/2025 10:15 AM		5/8/2025 7:15 PM			
Lab ID	2140456		2140458			
Volatile Organic Compounds	Result	MDL	Result	MDL	Units	Criteria: O.Reg 153 Table 1 Ground Water
Trans-1,2-dichloroethylene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	1.6
Trans-1,3-dichloropropene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	~
Trichloroethylene	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	0.5
Trichlorofluoromethane	<0.007	0.007	<0.006 [<0.006]	0.006	µg/g	150
Vinyl chloride	<0.005	0.005	<0.005 [<0.005]	0.005	µg/g	0.5



**TESTMARK Laboratories Ltd.**

*Committed to Quality and Service*

## CERTIFICATE OF ANALYSIS

Hatch Industries - Mississauga

Work Order Number: 577121

### LEGEND

Dates: Dates are formatted as mm/dd/year throughout this report.

[rr]: After a parameter name indicates a re-run of that parameter. If multiple re-runs exist they are suffixed by a number. Sample may not have been handled according to the recommended temperature, hold time and head space requirements of the method after the initial analysis.

MDL: Method detection limit or minimum reporting limit.

[ ]: Results for laboratory replicates are shown in square brackets immediately below the associated sample result for ease of comparison.

% Rec: Surrogate compounds are added to the sample in some cases and the recovery is reported as a % recovered.

~: In a criteria column indicates the criteria is not applicable for the parameter row.

Organic Soil Analysis: Data reported for organic analysis in soils samples are corrected for moisture content.

Quality Control: All associated Quality Control data is available on request.

Exceedences: HIGHLIGHTED CELLS INDICATE THAT THE RESULT EXCEEDS A REGULATORY LIMIT. CALCULATED UNCERTAINTY ESTIMATIONS ARE NOT APPLIED FOR DETERMINING SAMPLE EXCEEDANCES.

Benzo(b)fluoranthene: Results for benzo(b)fluoranthene may include contributions from benzo(j)fluoranthene.

Field Data: Reports containing Field Parameters represent data that has been collected and provided by the client. Testmark is not responsible for the validity of this data which may be used in subsequent calculations.

Sample Condition Deviations: A noted sample condition deviation may affect the validity of the result. Results apply to the sample(s) as received.

Reproduction of Report: Report shall not be reproduced, except in full, without the approval of Testmark Laboratories Ltd.

ICPMS Dustfall Insoluble: The ICPMS Dustfall Insoluble Portion method analyzes only the particulate matter from the Dustfall Sampler which is retained on the analysis filter during the Dustfall method.

PHC (Method A59): Method A59 complies with CCME reference method for the CWS PHC and is validated for laboratory use.

PHC (Method A59): Gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.

Regulation Comparisons: Disclaimer: Please note that regulation criteria are provided for comparative purposes, however the onus on ensuring the validity of this comparison rests with the client.

\*Dilution: In the MDL column an asterisk (\*) indicates a sample dilution was performed.

# Appendix I

## Site Photo Log



Figure 1: View of TP25-01



Figure 2: View of TP25-02



Figure 3: View of TP25-03



Figure 4: View of TP25-04



Figure 5: View of TP25-05



Figure 6: View of TP25-07 post-sampling (southern ditch)



*Figure 7: View of TP25-08 post-sampling (southern ditch)*



*Figure 8: View of TP25-09 post-sampling (southern ditch)*



*Figure 9: View of TP25-10 post-sampling (southern ditch)*



*Figure 10: View of TP25-11 post-sampling (southern ditch)*

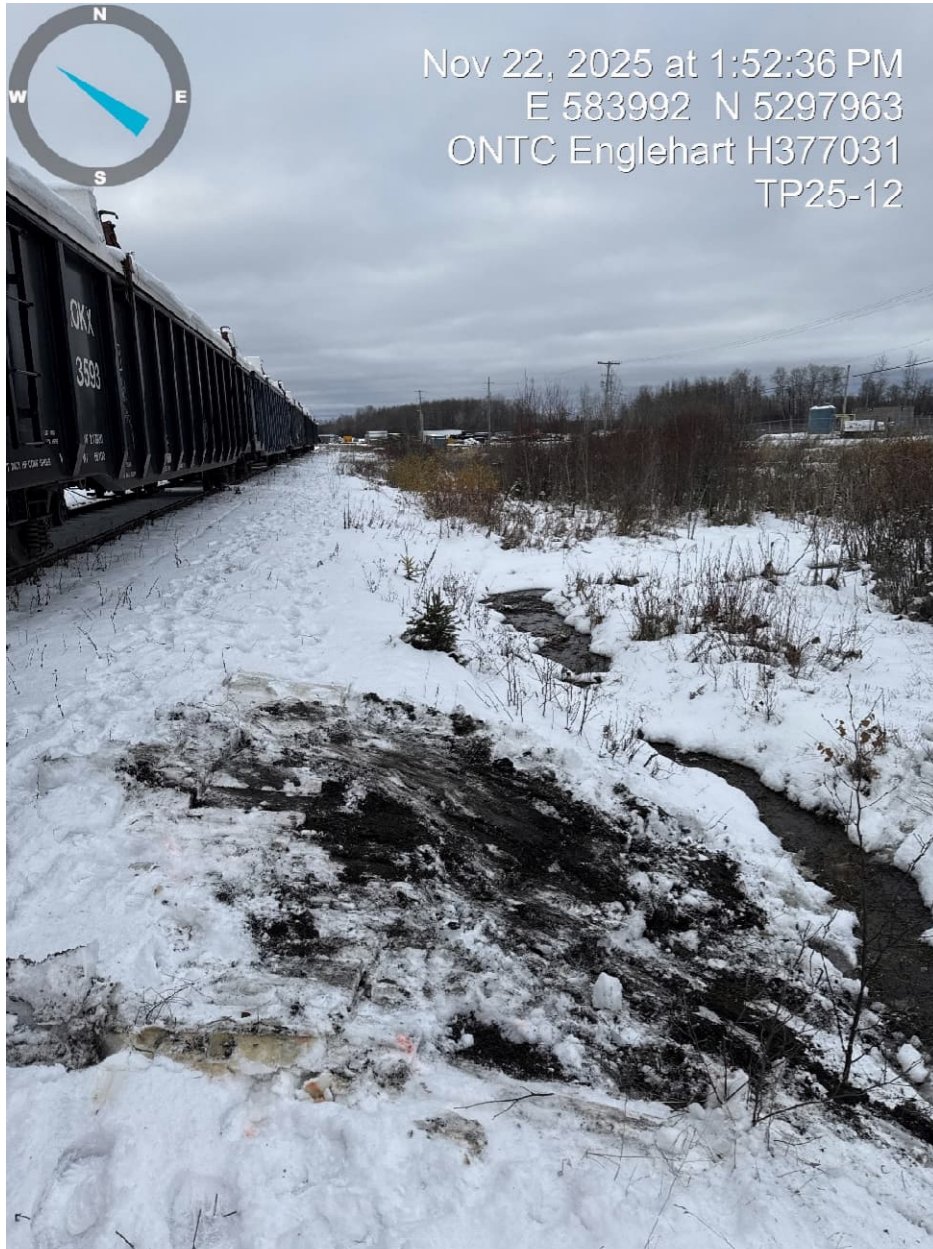


Figure 11: View of TP25-12 post-sampling (southern ditch)



Figure 12: View of TP25-13 (hand auger sampling)



Figure 13: View of TP25-13