



Phase Two Environmental Site Assessment Orleans Town Centre – 530 Brisebois Crescent, part of 265 Centrum Boulevard (Forum Lands), Ottawa, Ontario

Client:

EP Real Estate Development Ltd.
c/o: OTCP (Orleans) Project
181 Bay Street, Toronto, ON M5J 2T3

Type of Document:

Final

Project Name:

Phase Two Environmental Site Assessment

Project Number:

OTT-22022218-A0

Prepared By:

Devin Clouthier, B.Sc.

Reviewed By:

Leah Wells, P.Eng.

EXP Services Inc.
100-2650 Queensview Drive
Ottawa, Ontario K2B 8H6
t: +1.613.688.1899
f: +1.613.225.7337

Date Submitted:

2025-12-02

*EP Real Estate Development Ltd.
Phase Two Environmental Site Assessment
Orleans Town Center, Ottawa, Ontario
OTT-22022218-A0
December 2, 2025*

Legal Notification

This report was prepared by EXP Services Inc. for the account of **EP Real Estate Development Ltd.**

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. EXP Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this project.

Executive Summary

EXP Services Inc. (EXP) was retained by EP Real Estate Development Ltd. to complete a Phase Two Environmental Site Assessment (ESA) of 530 Brisebois Crescent and part of 265 Centrum Boulevard (Forum Lands), two undeveloped lots adjacent to the Orleans Town Centre at the intersection of Centrum Boulevard and Brisebois Crescent in Ottawa, Ontario hereinafter referred to as the 'Phase Two Property' or the 'Site'. Currently, there is no specific municipal addresses for the Phase Two property. At the time of the investigation, the Phase Two property was undeveloped.

The objective of the Phase Two ESA investigation was to assess the quality of the soil condition within the area of potential environmental concern (APEC) identified in a Phase One ESA prepared by EXP. EXP understands that EP Real Estate Development Ltd. is proposing to construct four towers, three being residential and one being mixed use commercial and residential, on the Phase One property. This Phase One ESA is required to satisfy an official plan amendment and zoning bylaw amendment with the City of Ottawa.

The Phase Two property has the municipal address 530 Brisebois Crescent and part of 265 Centrum Boulevard. The Phase One property is irregular in shape with an area of approximately 1.06 hectares.

The Phase Two property is comprised of multiple lots which are legally described as:

- PART BLOCKS 2, 6 & 7 AND PART COMMERCIAL DRIVE (CLOSED BY LT789196) PLAN 51M165 PARTS 5, 15 & 36 4R21938 SUBJECT TO AN EASEMENT OVER PART 15 4R21938 AS IN RLT61044 SUBJECT TO AN EASEMENT OVER PART 15 4R21938 AS IN RLT68975 SUBJECT TO AN EASEMENT OVER PART 15 4R21938 AS IN RLT68248 SUBJECT TO AN EASEMENT IN GROSS OVER PARTS 15 & 36 4R21938 AS IN OC713792 SUBJECT TO AN EASEMENT IN GROSS OVER PART 2 4R23198 AS IN OC915910 SUBJECT TO AN EASEMENT OVER PART 3 4R27826 IN FAVOUR OF PARTS 3 & 4 4R21938 AS IN OC1692028 TOGETHER WITH AN EASEMENT OVER PARTS 1 & 2 4R27826 AS IN OC1692034 TOGETHER WITH AN EASEMENT OVER PART BLOCK 2 PLAN 50M165 PARTS 6 & 7 4R27826 AND PART LOT 36 CONCESSION 1 (OLD SURVEY) CUMBERLAND PARTS 2 & 5 4R30310 AS IN OC1932709 SUBJECT TO AN EASEMENT IN GROSS OVER PART BLOCKS 2 AND 7 AND PART COMMERCIAL DRIVE(CLOSED BY LT789196) 50M165, PARTS 2, 5, 7, 9 AND 10 4R28938 AS IN OC2207475 CITY OF OTTAWA. The property identification number (PIN) for this lot is 145080428;
- PART LOT 36 CONCESSION 1 (OLD SURVEY) CUMBERLAND PART 8 4R21938 EXCEPT PART 1 4R24597 SUBJECT TO AN EASEMENT OVER PART 1 4R30310 IN FAVOUR OF PARTS 3 & 4 4R21938 AS IN OC1692028 TOGETHER WITH AN EASEMENT OVER PARTS 1 & 2 4R27826 AS IN OC1692034 TOGETHER WITH AN EASEMENT OVER PART BLOCK 2 PLAN 50M165 PARTS 6 & 7 4R27826 & PART LOT 36 CONCESSION 1 (OLD SURVEY) CUMBERLAND PARTS 2 & 5 4R30310 AS IN OC1932709 SUBJECT TO AN EASEMENT IN GROSS OVER PARTS 4, 6 AND 8 4R28938 AS IN OC2207475 CITY OF OTTAWA. The PIN for this lot is 145080426;
- PART OF BLOCK 2 AND PART OF COMMERCIAL DRIVE (AS CLOSED BY BY-LAW 90-92, INSTRUMENT LT789196 AND BY-LAW 2007-134 INSTRUMENT OC706182) PLAN 50M165, PARTS 7, 8, 9, 10 AND 11 PLAN 4R24551. SUBJECT TO AN EASEMENT OVER PARTS 8, 9 AND 10 PLAN 4R24551 AS IN RLT61044. SUBJECT TO AN EASEMENT OVER PART 9 PLAN 4R24551 AS IN OC591803 CITY OF OTTAWA. The PIN for this lot is 145080314;
- PART OF BLOCK 2 AND PART OF COMMERCIAL DRIVE (AS CLOSED BY BY-LAW 90-92, INSTRUMENT NO. LT789196), PLAN 50M-165, BEING PARTS 22, 23, 27 AND 28 ON PLAN 4R-21938, OTTAWA. SUBJECT TO AN EASEMENT OVER PART 22 ON PLAN 4R-21938, AS IN OC591803. SUBJECT TO AN EASEMENT OVER PARTS 22 AND 23 ON PLAN 4R-21938, AS IN RLT61044. The PIN for this lot is 145080254;
- PART OF COMMERCIAL DRIVE PLAN 50M165 (AS CLOSED BY BY-LAW 90-92, INSTRUMENT NO. LT789196), PART 6 PLAN 4R24551 CITY OF OTTAWA. The PIN for this lot is 145080318;
- PART OF BLOCK 6 PLAN 50M-165, BEING PART 13 ON PLAN 4R-24551. T/W AN EASEMENT OVER PART OF BLOCK 6 PLAN 50M-165, BEING PART 47 ON PLAN 4R-21938 AS IN OC713786. CITY OF OTTAWA. The PIN for this lot is 145080311;

- PART OF BLOCK 6 PLAN 50M165, PART 4 PLAN 4R24551 CITY OF OTTAWA. The PIN for this lot is 145080316; and
- PART OF COMMERCIAL DRIVE PLAN 50M-165 (AS CLOSED BY BY-LAW NO. 90-92, INSTRUMENT NO. LT789196), BEING PART 29 ON PLAN 4R-21938, OTTAWA. The PIN for this lot is 145080276.

EXP prepared a report entitled *Phase One Environmental Site Assessment, Orleans Town Centre, Ottawa, Ontario*, dated December 2, 2025. The Phase One study area included the Phase Two property as well as properties within 250 m of the Phase Two property. Based on the results of the Phase One ESA, EXP identified one potentially contaminating activity (PCA) on the Phase Two property and three PCA in the Phase One study area. The PCA identified on the Phase Two property was determined to contribute to an APEC on the Phase Two property. A summary is provided in Table EX-1 below:

Table EX-1: Areas of Potential Environmental Concern

APEC	Location of APEC on Phase One property	PCA	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC 1	Entire Phase Two property	PCA #30 – Importation of Fill Material of Unknown Quality	On-Site	Petroleum hydrocarbons (PHC), volatile organic compounds (VOC), polycyclic aromatic hydrocarbons (PAH), metals and inorganics (including EC/SAR and pH)	Soil

The Phase Two ESA was conducted in conjunction with a geotechnical investigation completed by EXP. The scope of work for the Phase Two ESA was as follows:

- Ensuring the work area is free from underground utilities;
- Advancing ten test pits across the Phase Two property;
- Collecting select soil samples for laboratory analysis of PHC fractions F1 to F4, VOC, PAH, metals and inorganics (including EC/SAR and pH);
- Comparing the results of the soil chemical analyses to applicable criteria, as set out by the Ontario Ministry of the Environment, Conservation and Parks (MECP);
- Preparing a report summarizing the results of the assessment activities.

Ten soil samples and one field duplicate sample were collected from the test pits and submitted to BV for analysis of VOC, PHC, PAH, metals and inorganics (EC/SAR and pH).

There were no exceedances of the MECP Table 3 SCS for any of the parameters analysed in the soil samples.

The Qualified Person can confirm that the Phase Two Environmental Site Assessment was conducted per the requirements of Ontario Regulation 153/04, as amended, and in accordance with generally accepted professional practices.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.

Table of Contents

Legal Notification i

Executive Summary ii

List of Figures..... vi

List of Appendices vii

1.0 Introduction 1

 1.1 Site Description 1

 1.2 Property Ownership 2

 1.3 Current and Proposed Future Use 2

 1.4 Applicable Site Condition Standards 2

2.0 Background Information 4

 2.1 Physical Setting 4

 2.2 Previous Investigations 4

3.0 Scope of the Investigation 5

 3.1 Overview of Site Investigation 5

 3.2 Scope of Work 5

 3.3 Media Investigated 5

 3.4 Phase One Conceptual Site Model 5

 3.4.1 Buildings and Structures 5

 3.4.2 Water Bodies and Groundwater Flow Direction 5

 3.4.3 Areas of Natural Significance 5

 3.4.4 Water Wells 6

 3.4.5 Potentially Contaminating Activity 6

 3.4.6 Areas of Potential Environmental Concern 6

 3.4.7 Underground Utilities 7

 3.4.8 Subsurface Stratigraphy 7



3.4.9 *Uncertainty Analysis* 7

3.5 *Deviations from Sampling and Analysis Plan* 7

3.6 *Impediments* 7

4.0 Investigation Method..... 8

4.1 *General*..... 8

4.2 *Test Pit Investigation*..... 8

4.3 *Soil Sampling*..... 8

4.4 *Field Screening Measurements* 8

4.5 *Analytical Testing*..... 9

4.6 *Residue Management* 9

4.7 *Elevation Surveying*..... 9

4.8 *Quality Assurance and Quality Control Measures* 9

5.0 Review and Evaluation 10

5.1 *Geology* 10

5.2 *Soil: Quality* 10

5.3 *Maximum Concentrations* 10

5.4 *Quality Assurance and Quality Control Results*..... 10

6 Conclusion 12

7 References 13

8 General Limitations..... 14

List of Figures

- Figure 1: Site Location Plan
- Figure 2: Phase Two Property Site Layout
- Figure 3: Test Hole Location Plan
- Figure 4: Soil Analytical Results

*EP Real Estate Development Ltd.
Phase Two Environmental Site Assessment
Orleans Town Center, Ottawa, Ontario
OTT-22022218-A0
December 2, 2025*

List of Appendices

- Appendix A: Figures
- Appendix B: Sampling and Analysis Plan
- Appendix C: Test Pit Logs
- Appendix D: Analytical Summary Tables
- Appendix E: Laboratory Certificates of Analysis

1.0 Introduction

EXP Services Inc. (EXP) was retained by EP Real Estate Development Ltd. to complete a Phase Two Environmental Site Assessment (ESA) of two undeveloped lots adjacent to the Orleans Town Centre at the intersection of Centrum Boulevard and Brisebois Crescent in Ottawa, Ontario hereinafter referred to as the 'Phase Two Property' or the 'Site'. Currently, there is no specific municipal addresses for the Phase Two property. At the time of the investigation, the Phase Two property was undeveloped.

The objective of the Phase Two ESA investigation was to assess the quality of the soil within the area of potential environmental concern (APEC) identified in a Phase One ESA prepared by EXP. EXP understands that EP Real Estate Development Ltd. is proposing to construct four towers, three being residential and one being mixed use commercial and residential, on the Phase Two property. This Phase Two ESA is required to satisfy an official plan amendment and zoning bylaw amendment with the City of Ottawa.

This report has been prepared in accordance with the Phase Two ESA standard as defined by Ontario Regulation 153/04 (as amended), and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 8 of this report.

1.1 Site Description

The Phase Two property does not have a municipal address at the time of this report. The Phase Two property is irregular in shape with an area of approximately 1.06 hectares, and is currently undeveloped. The Site location is shown in Figure 1 in Appendix A.

The Phase Two property is comprised of multiple lots which are legally described as:

- PART BLOCKS 2, 6 & 7 AND PART COMMERCIAL DRIVE (CLOSED BY LT789196) PLAN 51M165 PARTS 5, 15 & 36 4R21938 SUBJECT TO AN EASEMENT OVER PART 15 4R21938 AS IN RLT61044 SUBJECT TO AN EASEMENT OVER PART 15 4R21938 AS IN RLT68975 SUBJECT TO AN EASEMENT OVER PART 15 4R21938 AS IN RLT68248 SUBJECT TO AN EASEMENT IN GROSS OVER PARTS 15 & 36 4R21938 AS IN OC713792 SUBJECT TO AN EASEMENT IN GROSS OVER PART 2 4R23198 AS IN OC915910 SUBJECT TO AN EASEMENT OVER PART 3 4R27826 IN FAVOUR OF PARTS 3 & 4 4R21938 AS IN OC1692028 TOGETHER WITH AN EASEMENT OVER PARTS 1 & 2 4R27826 AS IN OC1692034 TOGETHER WITH AN EASEMENT OVER PART BLOCK 2 PLAN 50M165 PARTS 6 & 7 4R27826 AND PART LOT 36 CONCESSION 1 (OLD SURVEY) CUMBERLAND PARTS 2 & 5 4R30310 AS IN OC1932709 SUBJECT TO AN EASEMENT IN GROSS OVER PART BLOCKS 2 AND 7 AND PART COMMERCIAL DRIVE(CLOSED BY LT789196) 50M165, PARTS 2, 5, 7, 9 AND 10 4R28938 AS IN OC2207475 CITY OF OTTAWA. The property identification number (PIN) for this lot is 145080428;
- PART LOT 36 CONCESSION 1 (OLD SURVEY) CUMBERLAND PART 8 4R21938 EXCEPT PART 1 4R24597 SUBJECT TO AN EASEMENT OVER PART 1 4R30310 IN FAVOUR OF PARTS 3 & 4 4R21938 AS IN OC1692028 TOGETHER WITH AN EASEMENT OVER PARTS 1 & 2 4R27826 AS IN OC1692034 TOGETHER WITH AN EASEMENT OVER PART BLOCK 2 PLAN 50M165 PARTS 6 & 7 4R27826 & PART LOT 36 CONCESSION 1 (OLD SURVEY) CUMBERLAND PARTS 2 & 5 4R30310 AS IN OC1932709 SUBJECT TO AN EASEMENT IN GROSS OVER PARTS 4, 6 AND 8 4R28938 AS IN OC2207475 CITY OF OTTAWA. The PIN for this lot is 145080426;
- PART OF BLOCK 2 AND PART OF COMMERCIAL DRIVE (AS CLOSED BY BY-LAW 90-92, INSTRUMENT LT789196 AND BY-LAW 2007-134 INSTRUMENT OC706182) PLAN 50M165, PARTS 7, 8, 9, 10 AND 11 PLAN 4R24551. SUBJECT TO AN EASEMENT OVER PARTS 8, 9 AND 10 PLAN 4R24551 AS IN RLT61044. SUBJECT TO AN EASEMENT OVER PART 9 PLAN 4R24551 AS IN OC591803 CITY OF OTTAWA. The PIN for this lot is 145080314;
- PART OF BLOCK 2 AND PART OF COMMERCIAL DRIVE (AS CLOSED BY BY-LAW 90-92, INSTRUMENT NO. LT789196), PLAN 50M-165, BEING PARTS 22, 23, 27 AND 28 ON PLAN 4R-21938, OTTAWA. SUBJECT TO AN EASEMENT OVER

PART 22 ON PLAN 4R-21938, AS IN OC591803. SUBJECT TO AN EASEMENT OVER PARTS 22 AND 23 ON PLAN 4R-21938, AS IN RLT61044. The PIN for this lot is 145080254;

- PART OF COMMERCIAL DRIVE PLAN 50M165 (AS CLOSED BY BY-LAW 90-92, INSTRUMENT NO. LT789196), PART 6 PLAN 4R24551 CITY OF OTTAWA. The PIN for this lot is 145080318;
- PART OF BLOCK 6 PLAN 50M-165, BEING PART 13 ON PLAN 4R-24551. T/W AN EASEMENT OVER PART OF BLOCK 6 PLAN 50M-165, BEING PART 47 ON PLAN 4R-21938 AS IN OC713786. CITY OF OTTAWA. The PIN for this lot is 145080311;
- PART OF BLOCK 6 PLAN 50M165, PART 4 PLAN 4R24551 CITY OF OTTAWA. The PIN for this lot is 145080316; and
- PART OF COMMERCIAL DRIVE PLAN 50M-165 (AS CLOSED BY BY-LAW NO. 90-92, INSTRUMENT NO. LT789196), BEING PART 29 ON PLAN 4R-21938, OTTAWA. The PIN for this lot is 145080276.

Refer to Table 1.1 for the Site identification information.

Table 1.1: Site Identification Details

Current Land Use	Vacant, Undeveloped
Proposed Future Land Use	Commercial and Residential
Property Identification Numbers	145080428, 145080426, 145080314, 145080254, 145080318, 145080311, 145080316 and 145080276
UTM Coordinates	NAD83 18T 460166 m E and 503636 m N
Site Area	1.06 hectares
Property Owner	Forum Asset Management

1.2 Property Ownership

The Phase Two property is owned by Forum Asset Management. Authorization to proceed with this investigation was provided by Aly Damji of Forum Asset Management. Contact information for Mr. Damji is 181 Bay Street, Toronto, ON M5J 2T3.

1.3 Current and Proposed Future Use

The Phase Two property has never been developed. The proposed future land use is proposed to be a mix of commercial, community, and residential. As the Phase Two property has never been developed, a Record of Site Condition (RSC) is not required.

1.4 Applicable Site Condition Standards

Analytical results obtained for soil and groundwater samples were compared to Site Condition Standards (SCS) established under subsection 169.4(1) of the Environmental Protection Act, and presented in the document entitled *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, 2011*. This document provides tabulated background SCS (Table 1) applicable to environmentally sensitive sites and effects-based generic SCS (Tables 2 to 9) applicable to non-environmentally sensitive sites. The effects-based SCS (Tables 2 to 9) are protective of human health and the environment for different groundwater conditions (potable and non-potable), land use scenarios (residential, parkland, institutional, commercial, industrial, community and agricultural/other), soil texture (coarse or medium/fine) and restoration depth (full or stratified).

Table 1 to 9 SCS are summarized as follows:

- Table 1 – applicable to sites where background concentrations must be met (full depth), such as sensitive sites where site-specific criteria have not been derived
- Table 2 – applicable to sites with potable groundwater and full depth restoration
- Table 3 – applicable to sites with non-potable groundwater and full depth restoration
- Table 4 – applicable to sites with potable groundwater and stratified restoration
- Table 5 – applicable to sites with non-potable groundwater and stratified restoration
- Table 6 – applicable to sites with potable groundwater and shallow soils (bedrock encountered at depths of 2 metres or less across one-third or more of the site)
- Table 7 – applicable to sites with non-potable groundwater and shallow soils (bedrock encountered at depths of 2 metres or less across one-third or more of the site)
- Table 8 – applicable to sites with potable groundwater and that are within 30 m of a water body
- Table 9 – applicable to sites with non-potable groundwater and that are within 30 m of a water body

Application of the generic or background SCS to a specific site is based on a consideration of site conditions related to soil pH, thickness and extent of overburden material, and proximity to an area of environmental sensitivity or of natural significance. For some chemical parameters, consideration is also given to soil textural classification with SCS having been derived for both coarse and medium-fine textured soil conditions.

For assessment purposes, EXP selected the 2011 Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Groundwater Condition for Residential/Parkland/Institutional properties, Coarse Textured Soil. The selection of this category was based on the following factors:

- Bedrock is greater than 2 metres below grade across 2/3 of the subject property;
- The Phase Two property is not located within 30 metres of a waterbody;
- The Phase Two property is not located within an area of natural significance, does not include nor is adjacent to an area of natural significance, and does not include land that is within 30 metres of an area of natural significance;
- The stratigraphy of the Phase Two predominantly consists of coarse textured soil;
- The Phase Two property is serviced with potable water by the City of Ottawa through its water distribution system;
- The proposed future use of part of the Phase Two property is residential; and,
- It is the opinion of the Qualified Person who oversaw this work that the Phase Two property is not a sensitive site.

2.0 Background Information

2.1 Physical Setting

The Phase Two property is located adjacent to the Orleans Town Center at the intersection of Centrum Boulevard and Brisebois Crescent in Ottawa, Ontario. The Phase Two property is irregular in shape with an area of approximately 1.06 hectares.

The Phase Two property, and all other properties located, in whole or in part, within 250 metres of the boundaries of the Phase Two property, are supplied, or have services available for the municipal drinking water system provided by the City of Ottawa. Further, the Phase Two property is not located in an area designated in the municipal official plan as a well-head protection area and no properties within the Phase Two study area have a well that is being used or is intended for use as a source of potable water. Thus, in accordance with Section 36 of Ontario Regulation 153/04, non-potable water standards apply to the Phase Two property.

In accordance with Section 41 of Ontario Regulation 153/04, the Phase Two property is not an environmentally sensitive area. In addition, the Phase Two property is not located within an area of natural significance, and it does not include land that is within 30 metres of an area of natural significance.

Based on the Phase Two investigation, the Phase Two property is not a shallow soil property as defined in Section 43.1 of the regulation as more than 2/3 of the Phase Two property has 2 metres or more of soil overlying bedrock.

Bedrock at the Phase Two property consists of shale of the Rockcliffe Formation. Surficial soil consists of sand fill, silty sand, silty clay and clay. The ground surface is approximately 64 metres above sea level (masl).

The groundwater flow direction is anticipated to be north towards the Ottawa River.

2.2 Previous Investigations

EXP prepared a report entitled *Phase One Environmental Site Assessment, Orleans Town Centre, Ottawa, Ontario* dated December 2, 2025. One PCA was identified on the Phase Two property and three PCAs were identified in the Phase One study area. Based on the results of the Phase One ESA, EXP identified one APEC. A summary is provided in Table 2.1.

Table 2.1: Areas of Potential Environmental Concern

APEC	Location of APEC on Phase One property	PCA	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC 1	Entire Phase Two property	PCA #30 – Importation of Fill Material of Unknown Quality	On-Site	Petroleum hydrocarbons (PHC), polycyclic aromatic hydrocarbons (PAH), volatile organic compounds (VOC), metals and inorganics	Soil

3.0 Scope of the Investigation

3.1 Overview of Site Investigation

The objective of the Phase Two ESA was to assess the quality of soil condition in the area of potential environmental concern.

3.2 Scope of Work

The scope of work for the Phase Two ESA was as follows:

- Ensuring the work area is free from underground utilities;
- Advancing ten test pits across the Phase Two property;
- Collecting select soil samples for laboratory analysis of PHC fractions F1 to F4, VOC, PAH, metals and inorganics (including EC/SAR and pH);
- Comparing the results of the soil chemical analyses to applicable criteria, as set out by the Ontario Ministry of the Environment, Conservation and Parks (MECP);
- Preparing a report summarizing the results of the assessment activities.

3.3 Media Investigated

The Phase Two ESA included the investigation of soil on the Phase Two property.

As per the conclusions of the Phase One investigation discussed in Section 2.2, it was not considered necessary to sample the groundwater at this time.

The contaminants of potential concern (COPC) identified in the Phase One ESA were identified as target parameters for this Phase Two ESA. The APEC and COPS identified in the Phase One ESA are outlined in Section 2.2.

3.4 Phase One Conceptual Site Model

The Phase One conceptual site model (CSM) was developed by considering the following physical characteristics and pathways. The CSM showing the topography of the site, inferred groundwater flow, general site features, APECs, and PCAs is shown in Figures 2 and 3 in Appendix A.

3.4.1 Buildings and Structures

There are no buildings or structures on the Phase Two property.

3.4.2 Water Bodies and Groundwater Flow Direction

A stormwater pond is present 40 m east of the Phase One property at 315 Centrum Boulevard. The Ottawa River is located approximately 1.2 km north of the Phase One property. The inferred groundwater flow direction is to the north towards the Ottawa River.

3.4.3 Areas of Natural Significance

There are no ANSI within the Phase Two study area.

3.4.4 Water Wells

There were four well records in the Phase One study area. Three records were for domestic wells installed between 1954 and 1962. Since municipal water services are now available in the Phase One study area, it is assumed that these domestic wells are no longer a potable water source. The remaining record was for a monitoring well.

3.4.5 Potentially Contaminating Activity

Ontario Regulation 153/04 defines a PCA as one of 59 operations set out in Table 2 of Schedule D that occurs or has occurred in the Phase One study area. One PCA was identified on the Phase One property and three off-site PCA were identified in the Phase One study area within 250 m from the Phase One property site boundaries, as shown in Figure 2 in Appendix B. Each PCA was further evaluated to determine if the activity may be contributing to an APEC at the Phase One property or if they are considered de-minimis and not contributing to an APEC.

The PCA which were identified by EXP in the Phase One ESA conducted for Orleans Town Centre are summarized in Table 3.1 below:

Table 3.1: Potentially Contaminating Activities

Location of PCA	PCA	Description	Rationale
Phase Two property	PCA #30 – Importation of Fill Material of Unknown Quality	The importation of fill material of unknown quality was identified on the Phase Two property in the historical aerial photographs and during the site visit.	This PCA is considered to contribute to an APEC as the fill material is identified on the Phase Two property and the quality of fill material is unknown.
315 Centrum Boulevard (50 m east)	PCA #55 – Transformer Manufacturing, Processing and Use	The historical presence of transformers were identified in previous investigations and in the historical aerial photographs.	This PCA does not contribute to an APEC as the soil and groundwater conditions at the site where the transformers were located met the applicable site condition standards.
Highway 174 (75 m northwest)	PCA #Other – Hydraulic Oil Spill	Approximately 40 litres of hydraulic oil was spilled to the ground on railway ballasts associated with the Light Rail Transit (LRT) system in 2022.	This PCA does not contribute to an APEC due to the volume of the spill and the inferred distance from the Phase One property.
Near 325 Centrum Boulevard (90 m east)	PCA #Other – Transformer Oil Spill	Hydro One reported a spill of an unknown volume caused by a drum leaking with unidentified contents in 2002.	This PCA does not contribute to an APEC due to the inferred distance from the Phase One property.

The PCA identified on the Phase One property (PCA #30 Importation of Fill Material of Unknown Quality) is considered to contribute to an APEC.

3.4.6 Areas of Potential Environmental Concern

The APEC identified is summarized below in Table 3.2.

Table 3.2: Areas of Potential Environmental Concern

APEC	Location of APEC on Phase One property	PCA	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC 1	Entire Phase Two property	PCA #30 – Importation of Fill Material of Unknown Quality	On-Site	PHC, VOC, PAH, metals and inorganics (including EC/SAR and pH)	Soil

3.4.7 Underground Utilities

Underground electrical for streetlights and a storm sewer are the only utilities present on the Phase Two property.

3.4.8 Subsurface Stratigraphy

Bedrock in the general area of the Phase Two property consists of shale of the Rockcliffe Formation. The surficial geology in the general area of the Phase One property consists of silt and clay, minor sand and gravel. The ground surface is approximately 64 metres above sea level (masl).

3.4.9 Uncertainty Analysis

The CSM is a simplification of reality, which aims to provide a description and assessment of any areas where potentially contaminating activity that occurred within the Phase Two study area may have adversely affected the Phase Two property. All information collected during this investigation, including records, interviews, and site reconnaissance, has contributed to the formulation of the CSM.

Information was assessed for consistency, however EXP has confirmed neither the completeness nor the accuracy of any of the records that were obtained or of any of the statements made by others. All reasonable inquiries to obtain accessible information were made, as required by Schedule D, Table 1, Mandatory Requirements for Phase Two Environmental Site Assessment Reports. The CSM reflects our best interpretation of the information that was available during this investigation.

3.5 Deviations from Sampling and Analysis Plan

The field investigative and sampling program was carried out following the requirements of the Phase Two property, as described in Section 4.

No significant deviations from the Sampling and Analysis Plan (SAAP), as provided in Appendix B, were reported that affected the sampling and data quality objectives for the Phase Two property.

3.6 Impediments

No impediments were encountered during this investigation.

4.0 Investigation Method

4.1 General

The current investigation was performed following requirements given under Ontario Regulation 153/04 and in accordance with generally accepted professional practices.

The site investigative activities were conducted in conjunction with a geotechnical investigation and consisted of the advancement of boreholes and the installation of monitoring wells on the Phase Two property.

4.2 Test Pit Investigation

Prior to commencement of drilling and test pitting, the locations of underground public utilities including telephone, natural gas and electrical lines were cleared at the Phase Two property including public locating companies. A private utility locating contractor was also retained to clear the individual test pit locations.

The site investigative activities consisted of advancing 10 test pits to facilitate the collection of soil samples for visual inspection and/or chemical analysis.

The test pit locations were selected to address the APEC identified in the Phase One ESA and for geotechnical purposes. The test pits were advanced on August 20, 2025. EXP retained Thomas Cavanagh Construction Ltd. to advance the test pits using a Kubota KX080 Series Mini-Excavator. The test pits (TP25-1 through TP25-10) were extended to depths ranging from 3.0 to 4.0 metres below ground surface (mbgs). The test pits were backfilled upon completion.

4.3 Soil Sampling

The soil sampling during the completion of this Phase Two ESA was undertaken in general accordance with the SAAP presented in Appendix B.

EXP continuously monitored the test pitting activities to log the stratigraphy observed, to record the depth of soil sample collection, to record total depths of the test pits and visual or olfactory observations of potential impacts. Field observations are summarized in the test pit logs provided in Appendix C. Nitrile gloves (i.e., one pair per sample) were used during sample handling. No petroleum-based greases or solvents were used during test pitting activities.

Soil samples selected for laboratory analysis were collected from the samplers and placed directly into pre-cleaned, laboratory-supplied glass sample jars/vials. Samples to be analyzed for PHC fraction F1 and VOC were collected using a soil core sampler and placed into vials containing methanol as a preservative. The jars and vials were sealed with Teflon-lined lids to minimize headspace and reduce the potential for induced volatilization during storage/transport prior to analysis. All soil samples were placed in clean coolers containing ice prior to and during transportation to the subcontract laboratory, Bureau Veritas Environmental Laboratories (BV) of Ottawa, Ontario. The samples were transported/submitted within 24 hours of collection to the laboratory following chain of custody protocols for chemical analysis.

4.4 Field Screening Measurements

Soil samples were placed in a sealed Ziploc plastic bag and were field screened with a combustible vapour meter calibrated to hexane gas prior to use. The field screening measurements were made by inserting the instrument's probe into the plastic bag while manipulating the sample to ensure volatilization of the soil gases. These 'headspace' readings provide a real-time indication of the relative concentration of combustible vapours encountered in the subsurface during drilling and are used to aid in the assessment of the vertical and horizontal extent of potential impacts and the selection of soil samples for analysis.

Readings of petroleum vapour concentrations in the soil samples collected during the test pit investigation were recorded using an RKI Eagle 2. Petroleum vapours ranged from non-detectable to 50 ppm in the soil samples submitted for laboratory

analysis. The field screening measurement, in parts per million by volume (ppmv) are presented in the test pits logs provided in Appendix C.

4.5 Analytical Testing

The contracted laboratory selected to perform chemical analysis on all soil samples was Bureau Veritas Environmental Laboratories (BV). BV is an accredited laboratory under the Standards Council of Canada/Canadian Association for Laboratory Accreditation in accordance with ISO/IEC 17025:1999- General Requirements for the Competence of Testing and Calibration Laboratories.

4.6 Residue Management

Test pits were backfilled upon completion.

4.7 Elevation Surveying

An elevation survey was conducted by EXP. The ground surface elevation of each test pit was surveyed relative to a geodetic reference. The Universal Transverse Mercator (UTM) coordinates of each test pit were also recorded so that their locations could be plotted accurately.

4.8 Quality Assurance and Quality Control Measures

All soil samples were placed in coolers containing ice packs prior to and during transportation to the contract laboratory, BV. BV is accredited to the ISO/IEC 17025:2005 standard - *General Requirements for the Competence of Testing and Calibration Laboratories*.

A QA/QC program was also implemented to ensure that the analytical results received are accurate and dependable. A QA/QC program is a system of documented checks that validate the reliability of the data. Quality Assurance is a system that ensures that quality control procedures are correctly performed and documented. Quality Control refers to the established procedures observed both in the field and in the laboratory, designed to ensure that the resulting end data meet intended quality objectives. The QA/QC program implemented by EXP incorporated the following components:

- Using dedicated and/or disposable sampling equipment;
- Following proper decontamination protocols to minimize cross-contamination;
- Submitting a blind duplicate sample for analysis;
- Maintaining field notes and completing field forms to document field activities; and
- Using only laboratory-supplied sample containers and following prescribed sample protocols, including using proper preservation techniques, meeting sample hold times, and documenting sample transmission on chains of custody, to ensure the integrity of the samples is maintained.

BV's QA/QC program involved the systematic analysis of control standards for the purpose of optimizing the measuring system as well as establishing system precision and accuracy and included calibration standards, method blanks, reference standards, spiked samples, surrogates and duplicates.

5.0 Review and Evaluation

5.1 Geology

A surficial layer of granular fill was encountered in TP25-1. Fill material consisting of silty clay, sand and gravel was encountered in all test pits, extending from surface to 2.5 metres below ground surface. Native silty clay was encountered underlying the fill material in all test pits, extending from 0.5 to 4.0 metres below ground surface. Blast rock backfill was encountered in TP25-8 from 1.5 to 3.0 metres below ground surface.

The test pit logs are included in Appendix C.

5.2 Soil: Quality

In accordance with the scope of work, chemical analyses were performed on selected soil samples collected from the fill material encountered in the test pits.

Ten soil samples and one field duplicate sample were collected from the test pits and submitted to BV for analysis of VOC, PHC, PAH, metals and inorganics (EC/SAR and pH).

There were no exceedances of the MECP Table 3 SCS for any of the parameters analysed in the soil samples. Analytical results are included in Tables 1 to 3 in Appendix D and are shown in Figure 3 in Appendix A. Copies of the laboratory certificates of analysis are provided in Appendix E.

5.3 Maximum Concentrations

Maximum soil concentrations are provided in Table 5 in Appendix D.

5.4 Quality Assurance and Quality Control Results

Quality assurance and quality control measures were taken during the field activities to meet the objectives of the sampling and quality assurance plan to collect unbiased and representative samples to characterize existing conditions in the soil at the site. QA/QC measures, included:

- Collection and analysis of a blind duplicate soil sample to ensure sample collection precision;
- Using dedicated and/or disposable sampling equipment;
- Following proper decontamination protocols to minimize cross-contamination;
- Maintaining field notes and completing field forms to document on-site activities; and
- Using only laboratory supplied sample containers and following prescribed sample protocols, including proper preservation, meeting sample hold times, proper chain of custody documentation, to ensure integrity of the samples.

BV's QA/QC program consisted of the preparation and analysis of laboratory duplicate samples to assess precision and sample homogeneity, method blanks to assess analytical bias, spiked blanks and QC standards to evaluate analyte recovery, matrix spikes to evaluate matrix interferences and surrogate compound recoveries to evaluate extraction efficiency. The laboratory QA/QC results are presented in the Quality Assurance Report provided in the Certificates of Analysis prepared by BV. The QA/QC results are reported as percent recoveries for matrix spikes, spiked blanks and QC standards, relative percent difference for laboratory duplicates and analyte concentrations for method blanks.

Review of the laboratory QA/QC results reported indicated that they were mostly within acceptable control limits or below applicable alert criteria for the sampled media and analytical test groups.

*EP Real Estate Development Ltd.
Phase Two Environmental Site Assessment
Orleans Town Center, Ottawa, Ontario
OTT-22022218-A0
December 2, 2025*

For QA/QC purposes, the analytical sample results are quantitatively evaluated by calculating the relative percent difference (RPD) between the samples and their duplicates. To accurately calculate a statistically valid RPD, the concentration of the analytes found in both the original and duplicate sample must be greater than five times the reporting detection limit (RDL).

The results of the RPD calculations are provided in Appendix D in Table 4. All of the RPD for the parent and duplicate soil sample were either not calculable or within the applicable alert limits.

EP Real Estate Development Ltd.
Phase Two Environmental Site Assessment
Orleans Town Center, Ottawa, Ontario
OTT-22022218-A0
December 2, 2025

6 Conclusions

EXP Services Inc. (EXP) was retained by EP Real Estate Development Ltd. to complete a Phase Two Environmental Site Assessment (ESA) of two undeveloped lots adjacent to the Orleans Town Centre at the intersection of Centrum Boulevard and Brisebois Crescent in Ottawa. Currently, there is no specific municipal addresses for the Phase Two property. At the time of the investigation, the Phase Two property was undeveloped. The objective of the Phase Two ESA was to confirm whether or not the PCA previously identified had impacted the soil at the Phase Two property.

A total of ten test pits were advanced on the Phase Two property in conjunction with a geotechnical investigation. Chemical analyses were performed on selected fill material soil samples recovered from the test pits. Ten samples of fill material and one duplicate sample were submitted for analysis of PHC, VOC, PAH metals and inorganics (including EC/SAR and pH). There were no exceedances of the MECP Table 3 SCS for any of the parameters analysed in the soil samples.

The Qualified Person who oversaw this investigation can confirm that the Phase Two Environmental Site Assessment were conducted per the requirements of Ontario Regulation 153/04 and in accordance with generally accepted professional practices.

We trust this report meets your current needs. If you have any questions pertaining to the investigation undertaken by EXP, please do not hesitate to contact the undersigned.



Devin Clouthier, B.Sc.
Environmental Scientist
Earth and Environment



Leah Wells, P.Eng.
Environmental Engineer
Earth and Environment



7 References

This study was conducted in accordance with the applicable Regulations, Guidelines, Policies, Standards, Protocols and Objectives. Specific reference is made to the following documents.

- AMEC Earth & Environmental, *Phase I Environmental Site Assessment, Orleans Town Centre Vacant Lands, Place D'Orleans Drive – 10th Line Road Highway 174 – Centrum Boulevard, Ottawa, Ontario* dated May 2005.
- AMEC Earth & Environmental, *Fill Quality Investigation, Orleans Town Centre Vacant Lands, Place D'Orleans Drive – 10th Line Road, Highway 174, Centrum Boulevard, Ottawa, Ontario* dated February 2006.
- AMEC Earth & Environmental, *Phase II Environmental Site Assessment, Former Hydro-One Networks, Orleans Distribution Station, 311 Centrum Boulevard, Ottawa, Ontario* dated March 2006.
- Englobe Corp, *Phase One Environmental Site Assessment, 265 Centrum Boulevard, Orleans, ON K1E 3X7* dated March 2023.
- EXP Services Inc., *Phase One Environmental Site Assessment, Orleans Town Centre, Ottawa, Ontario*, August 2025.
- Inspec Sol Engineering Solutoins, *Phase I Environmental Site Assessment, Proposed Seniors Development, Vacant Lands, Centrum Boulevard, Ottawa, Ontario* dated April 2007.
- Ontario Ministry of the Environment, Conservation and Parks, *Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*, December 1996.
- Ontario Ministry of the Environment, Conservation and Parks, *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*, April 15, 2011.
- Ontario Ministry of the Environment, Conservation and Parks, *Guide for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04*, June 2011.
- Ontario Ministry of the Environment, Conservation and Parks, *Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act*, July 1, 2011.
- Ontario Ministry of the Environment, Conservation and Parks, *Management of Excess Soil – A Guide for Best Management Practices*, January 2014.
- Ontario Regulation 153/04, made under the *Environmental Protection Act*, as amended.
- Ontario R.R.O. 1990, Regulation 347, made under the *Environmental Protection Act*, as amended.
- Ontario R.R.O. 1990, Regulation 903, made under the *Water Resources Act*, as amended.
- Yuri Mendez Engineering, *Subsurface Investigation Report, 265 Centrum Boulevard, Ottawa, ON, K2S 1V4* dated May 2022.

8 General Limitations

Basis of Report

This report ("Report") is based on site conditions known or inferred by the investigation undertaken as of the date of the Report. Should changes occur which potentially impact the condition of the site the recommendations of EXP may require re-evaluation. Where special concerns exist, or EP Real Estate Development Ltd. ("the Client") has special considerations or requirements, these should be disclosed to EXP to allow for additional or special investigations to be undertaken not otherwise within the scope of investigation conducted for the purpose of the Report.

Reliance on Information Provided

The evaluation and conclusions contained in the Report are based on conditions in evidence at the time of site inspections and information provided to EXP by the Client and others. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by the Client. EXP has relied in good faith upon such representations, information and instructions and accepts no responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of any misstatements, omissions, misrepresentation or fraudulent acts of persons providing information. Unless specifically stated otherwise, the applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report are only valid to the extent that there has been no material alteration to or variation from any of the information provided to exp. If new information about the environmental conditions at the Site is found, the information should be provided to EXP so that it can be reviewed and revisions to the conclusions and/or recommendations can be made, if warranted.

Standard of Care

The Report has been prepared in a manner consistent with the degree of care and skill exercised by engineering consultants currently practicing under similar circumstances and locale. No other warranty, expressed or implied, is made. Unless specifically stated otherwise, the Report does not contain environmental consulting advice.

Complete Report

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment form part of the Report. This material includes, but is not limited to, the terms of reference given to EXP by the Client, communications between EXP and the Client, other reports, proposals or documents prepared by EXP for the Client in connection with the site described in the Report. In order to properly understand the suggestions, recommendations and opinions expressed in the Report, reference must be made to the Report in its entirety. EXP is not responsible for use by any party of portions of the Report.

Use of Report

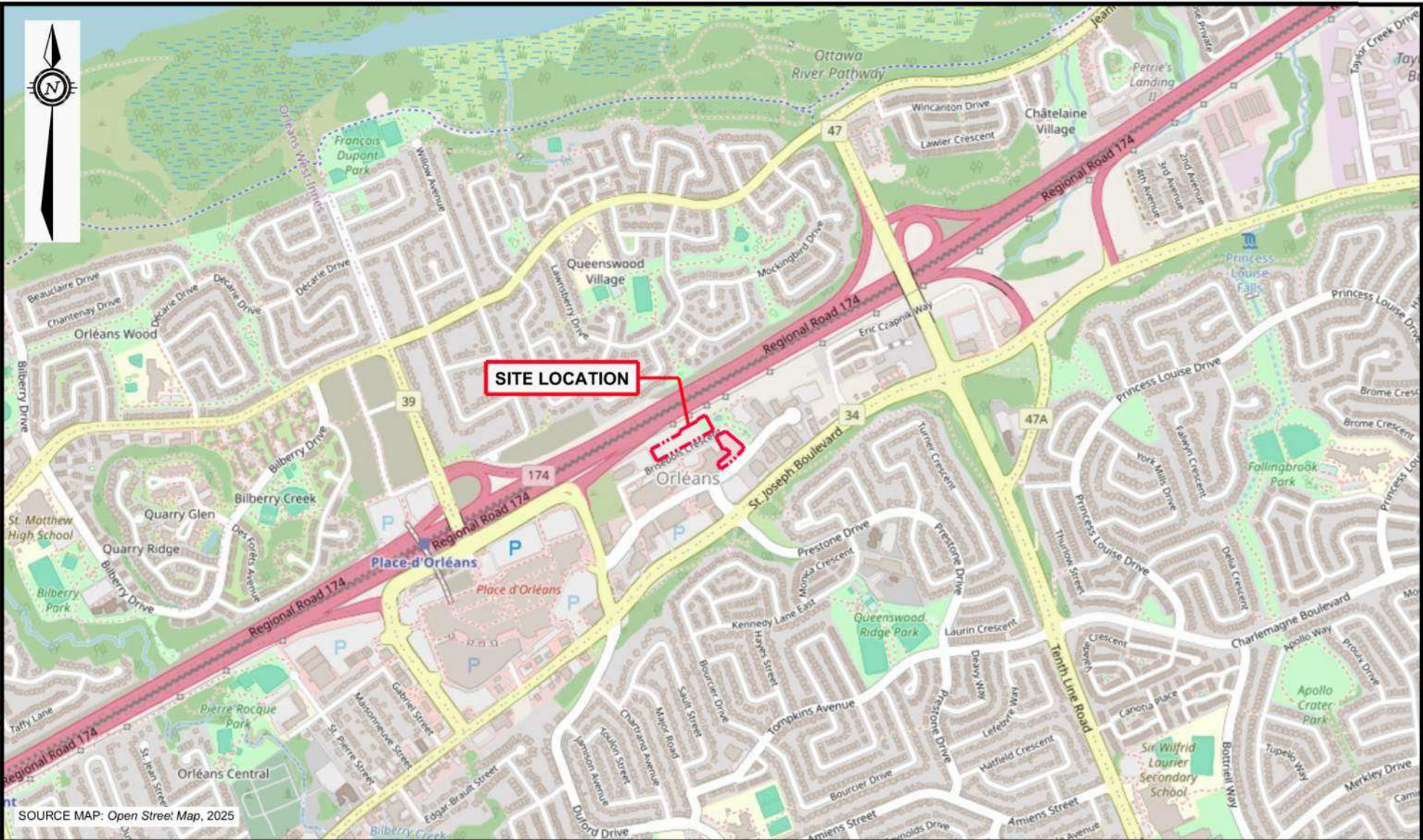
The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client. No other party may use or rely upon the Report in whole or in part without the written consent of EXP. Any use of the Report, or any portion of the Report, by a third party are the sole responsibility of such third party. EXP is not responsible for damages suffered by any third party resulting from unauthorised use of the Report.

Report Format

Where EXP has submitted both electronic file and a hard copy of the Report, or any document forming part of the Report, only the signed and sealed hard copy shall be the original documents for record and working purposes. In the event of a dispute or discrepancy, the hard copy shall govern. Electronic files transmitted by EXP utilize specific software and hardware systems. EXP makes no representation about the compatibility of these files with the Client's current or future software and hardware systems. Regardless of format, the documents described herein are EXP's instruments of professional service and shall not be altered without the written consent of EXP.

Appendix A: Figures

Filename: E:\OTT\22022218-A0_60_Execution\65 Drawings\OTT-22022218-A0_Ph-1_265-Centrum-Bldg.dwg
 Last Saved: Aug 13, 2025 11:53 AM Last Plotted: Aug 13, 2025 11:54 AM Plotted by: Severa

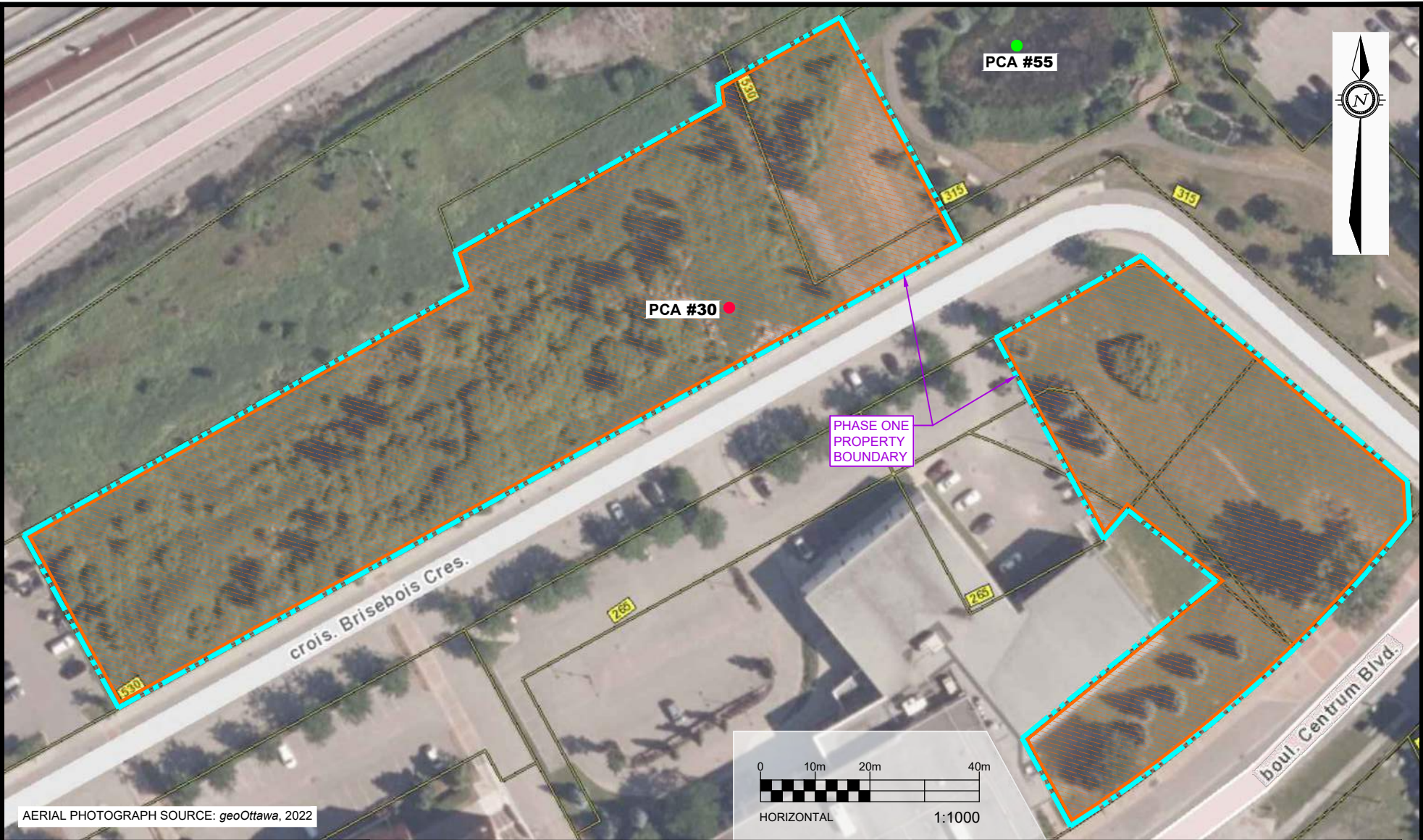


LEGEND

--- APPROXIMATE PROPERTY BOUNDARY

		EXP Services Inc. www.exp.com t: +1.613.688.1899 f: +1.613.225.7337 2650 Queensview Drive, Suite 100 Ottawa, ON K2B 8H6, Canada	
		DATE SEPTEMBER 2025	PROJECT: PHASE TWO ENVIRONMENTAL SITE ASSESSMENT ORLEANS TOWN CENTRE, OTTAWA, ONTARIO
DESIGN DC	CHECKED LW	TITLE: SITE LOCATION PLAN	scale 1:15,000
DRAWN BY AS			FIG 1

Filename: E:\OTT-22022218-A0_60_Execution\65 Drawings\OTT-22022218-A0_Ph-1_265-Centrum-Bldg.dwg
 Last Saved: Aug 19, 2025 12:06 PM
 Last Plotted: Aug 19, 2025 12:07 PM
 Plotted By: SeverA



AERIAL PHOTOGRAPH SOURCE: geoOttawa, 2022

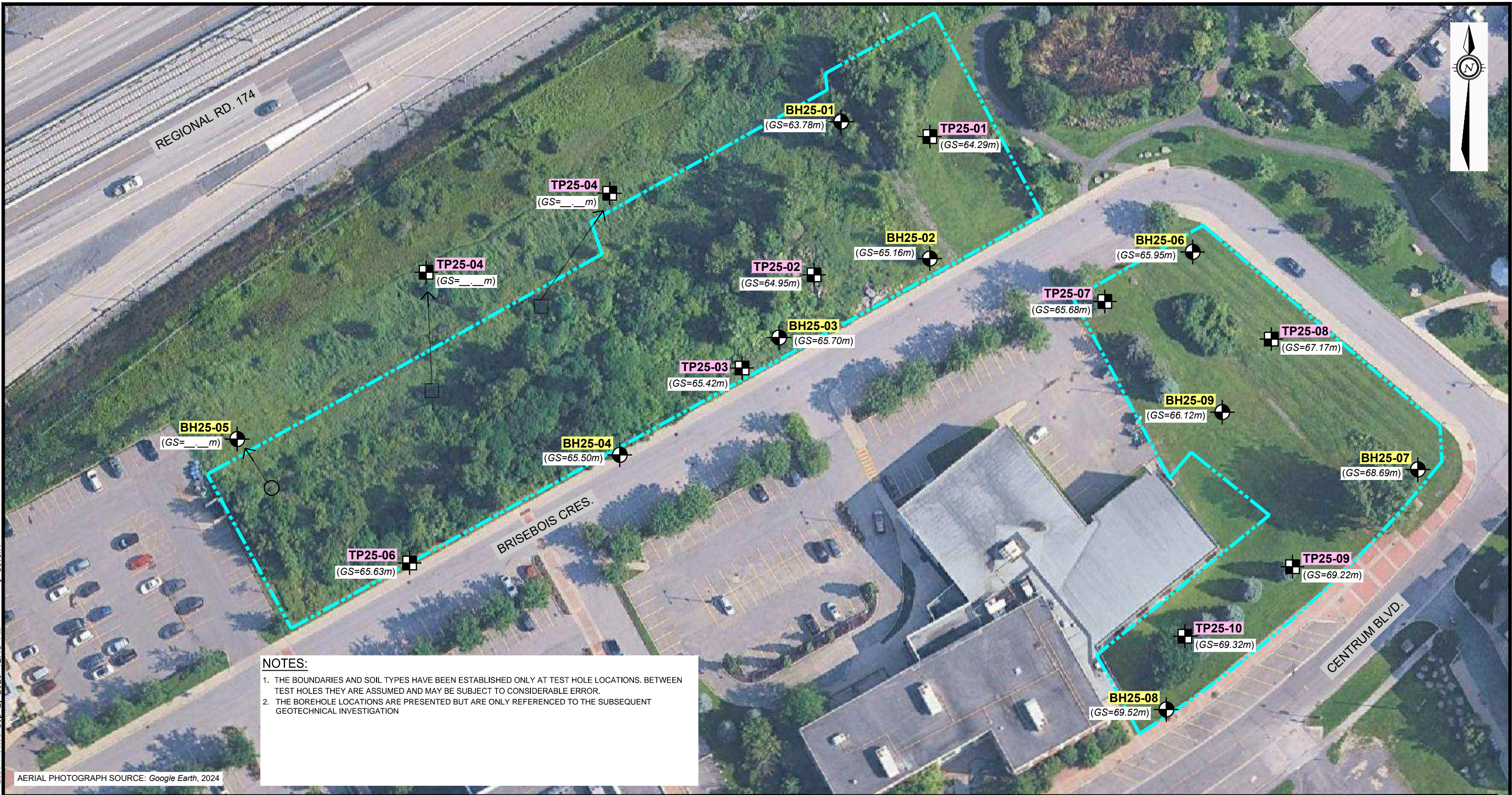
LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- 30** POTENTIALLY CONTAMINATING ACTIVITY (PCA) RESULTING IN APECS
- 55** POTENTIALLY CONTAMINATING ACTIVITY (PCA) NOT RESULTING IN APECS

AREA OF POTENTIAL ENVIRONMENTAL CONCERN

- APEC #1** - RESULTING FROM PRESENCE OF FILL MATERIAL OF UNKNOWN QUALITY

		EXP Services Inc. www.exp.com t: +1.613.688.1899 f: +1.613.225.7337 2650 Queensview Drive, Suite 100 Ottawa, ON K2B 8H6, Canada	
		DATE SEPTEMBER 2025	PROJECT: PHASE TWO ENVIRONMENTAL SITE ASSESSMENT ORLEANS TOWN CENTRE, OTTAWA, ONTARIO
DESIGN DC	CHECKED LW	TITLE: PHASE TWO PROPERTY SITE LAYOUT	scale 1:1,000
DRAWN BY AS			FIG 2



NOTES:

1. THE BOUNDARIES AND SOIL TYPES HAVE BEEN ESTABLISHED ONLY AT TEST HOLE LOCATIONS. BETWEEN TEST HOLES THEY ARE ASSUMED AND MAY BE SUBJECT TO CONSIDERABLE ERROR.
2. THE BOREHOLE LOCATIONS ARE PRESENTED BUT ARE ONLY REFERENCED TO THE SUBSEQUENT GEOTECHNICAL INVESTIGATION

AERIAL PHOTOGRAPH SOURCE: Google Earth, 2024

LEGEND

APPROXIMATE PROPERTY BOUNDARY

BH25-01 BOREHOLE NO. & LOCATION

TP25-01 TEST PIT NO. & LOCATION

(GS=63.78m) GROUND SURFACE ELEVATION (m)

ORIGINAL SHEET SIZE = 17" X 11"



EXP Services Inc. www.exp.com

t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: SEPTEMBER 2025

DESIGN: DC | CHECKED: LW

DRAWN BY: AS

PROJECT: PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
ORLEANS TOWN CENTRE, OTTAWA, ONTARIO

TITLE: TEST HOLE LOCATION PLAN

project no. OTT-22022218-A0

scale 1:750

FIG 3




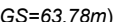



NOTES:

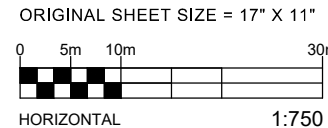
1. THE BOUNDARIES AND SOIL TYPES HAVE BEEN ESTABLISHED ONLY AT TEST HOLE LOCATIONS. BETWEEN TEST HOLES THEY ARE ASSUMED AND MAY BE SUBJECT TO CONSIDERABLE ERROR.
2. THE BOREHOLE LOCATIONS ARE PRESENTED BUT ARE ONLY REFERENCED TO THE SUBSEQUENT GEOTECHNICAL INVESTIGATION

AERIAL PHOTOGRAPH SOURCE: Google Earth, 2024

File name: E:\OTT\22022218-A0_60_Execution\65 Drawings\OTT-22022218-A0_Geo_265-Centrum-Bldg.dwg
 Last Saved: Sep 2, 2025 12:41 PM
 Last Plotted: Sep 2, 2025 12:43 PM
 Plotted by: SeverA

LEGEND	
	APPROXIMATE PROPERTY BOUNDARY
	BOREHOLE NO. & LOCATION
	TEST PIT NO. & LOCATION
	GROUND SURFACE ELEVATION (m)

 SOIL SAMPLE MEETS TABLE 3 SCS FOR RPI LAND USE



EXP Services Inc. www.exp.com
 t: +1.613.688.1899 | f: +1.613.225.7337
 2650 Queensview Drive, Suite 100
 Ottawa, ON K2B 8H6, Canada

DATE SEPTEMBER 2025	PROJECT: PHASE TWO ENVIRONMENTAL SITE ASSESSMENT ORLEANS TOWN CENTRE, OTTAWA, ONTARIO	project no. OTT-22022218-A0
DESIGN DC	CHECKED LW	scale 1:750
DRAWN BY AS		SOIL ANALYTICAL RESULTS
		FIG 4

Appendix B: Sampling and Analysis Plan



OTT-22022218-A0

Phase Two ESA – Orleans Town Centre, Ottawa, ON

Sampling and Analysis Plan

Objectives

- Address the area of potential environmental concern (APEC) that was identified in the Phase One ESA.
- The field program will be conducted in conjunction with a geotechnical investigation.

Areas of Potential Environmental Concern

A Phase One ESA was completed for Orleans Town Centre by EXP dated December 2, 2025. Based on the results of the Phase One ESA, one potentially contaminating activities (PCA) resulting in an area of potential environmental concern (APEC) was identified and therefore a Phase Two ESA was recommended. The EXP Phase One ESA identified the following APEC at the Orleans Town Centre site:

APEC	Location of APEC on Phase One property	PCA	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC 1	Entire Phase Two property	PCA #30 – Importation of Fill Material of Unknown Quality	On-Site	Petroleum hydrocarbons (PHC), volatile organic compounds (VOC), polycyclic aromatic hydrocarbons (PAH), metals and inorganics (including EC/SAR and pH)	Soil

The environmental work will be undertaken in accordance with Ontario Regulation 153/04

Scope of Work

- Advancing ten test pits across the Phase Two property;
- Collecting select soil samples for laboratory analysis of PHC fractions F1 to F4, VOC, PAH, metals and inorganics (including EC/SAR and pH);
- Comparing the results of the soil chemical analyses to applicable criteria, as set out by the Ontario Ministry of the Environment, Conservation and Parks (MECP);

Soil Sampling

The environmental samples program will be as show in Table 2.

Table 2: Environmental Sampling Program

APEC	Field Program	Soil Analysis	Groundwater Analysis
#1. Fill of unknown quality (entire site)	TP25-1 to TP25-10	1 surface soil sample (fill material) per test pit – PHC, VOC, PAH, metals and inorganics (including EC/SAR and pH)	None

One field duplicate for every 10 bulk soil samples will also be submitted for analysis.

Appendix C: Borehole Logs

Log of Borehole TP 25-01



Project No: OTT-22022218-A0

Figure No. 12

Project: High-Rise Commercial And Residential Development

Page. 1 of 1

Location: 530 Brisebois Cres. Part of 265 Centrum Blvd. (Forum Lands), Ottawa, ON

Date Drilled: August 20, 2025

Split Spoon Sample

Combustible Vapour Reading

Drill Type: KX080 Excavator

Auger Sample

Natural Moisture Content

SPT (N) Value

Atterberg Limits

Datum: Geodetic Elevation

Dynamic Cone Test

Undrained Triaxial at % Strain at Failure

Shelby Tube

Shear Strength by Penetrometer Test

Logged by: JE Checked by: SMP

Shear Strength by Vane Test

G W L	S O I L D E S C R I P T I O N	Geodetic Elevation m	D e p t h m	Standard Penetration Test N Value				Combustible Vapour Reading (ppm)			S a m p l e S i z e	N a t u r a l U n i t W t. kN/m ³
				Shear Strength kPa				250	500	750		
				20	40	60	80	Natural Moisture Content % Atterberg Limits (% Dry Weight)				
	TOPSOIL ~ 180 mm thick	64.29	0									
	FILL Silty sand and crushed gravel, brown, damp, no odours, no stains	64.1										GS1
	FILL Silty sand, some gravel, brown, damp, no odours, no stains	63.8							45			GS2
	FILL Silty sand, some gravel, brown, damp, no odours, no stains	62.8	1						50			GS3
	SILTY CLAY Grey, moist, no odours, no stains		2						20			GS4
												GS5
												GS6
			3									GS7
	Test Pit Terminated at 3.5 m Depth	60.8										

LOG OF BOREHOLE BH-LOGS - 265 CENTRUM BLVD.GPJ TROW OTTAWA.GDT 12/2/25

- NOTES:
- Borehole data requires interpretation by EXP before use by others
 - Test Pit backfilled on completion of excavation
 - Field work was supervised by an EXP representative.
 - See Notes on Sample Descriptions
 - Log to be read with EXP Report OTT-22022218-A0

WATER LEVEL RECORDS		
Date	Water Level (m)	Hole Open To (m)

CORE DRILLING RECORD			
Run No.	Depth (m)	% Rec.	RQD %

Log of Borehole TP 25-02



Project No: OTT-22022218-A0

Figure No. 13

Project: High-Rise Commercial And Residential Development

Page. 1 of 1

Location: 530 Brisebois Cres. Part of 265 Centrum Blvd. (Forum Lands), Ottawa, ON

Date Drilled: 'August 20, 2025

Split Spoon Sample

Combustible Vapour Reading

Drill Type: KX080 Excavator

Auger Sample

Natural Moisture Content

SPT (N) Value

Atterberg Limits

Datum: Geodetic Elevation

Dynamic Cone Test

Undrained Triaxial at % Strain at Failure

Shelby Tube

Shear Strength by Penetrometer Test

Logged by: JE Checked by: SMP

Shear Strength by Vane Test

GWL	SYMBOL	SOIL DESCRIPTION	Geodetic Elevation m	Depth	Standard Penetration Test N Value				Combustible Vapour Reading (ppm)			Natural Unit Wt. kN/m ³
					Shear Strength kPa				Natural Moisture Content % Atterberg Limits (% Dry Weight)			
					20	40	60	80	250	500	750	
		TOPSOIL ~ 150 mm thick	64.95 64.8	0								GS1
		FILL Mixture of silty sand, clayey sand and gravel with cobbles, brown, damp, no odours, no stains		1								GS2
												GS3
		SILTY CLAY Brown, moist, no odours, no stains	63.5	2								GS4
												GS5
												GS6
		Test Pit Terminated at 3.0 m Depth	62.0	3								

LOG OF BOREHOLE - 265 CENTRUM BLVD.GPJ TROW OTTAWA.GDT 12/2/25

- NOTES:
- Borehole data requires interpretation by EXP before use by others
 - Test Pit backfilled on completion of excavation
 - Field work was supervised by an EXP representative.
 - See Notes on Sample Descriptions
 - Log to be read with EXP Report OTT-22022218-A0

WATER LEVEL RECORDS		
Date	Water Level (m)	Hole Open To (m)

CORE DRILLING RECORD			
Run No.	Depth (m)	% Rec.	RQD %

Log of Borehole TP 25-03



Project No: OTT-2202218-A0

Figure No. 14

Project: High-Rise Commercial And Residential Development

Page. 1 of 1

Location: 530 Brisebois Cres. Part of 265 Centrum Blvd. (Forum Lands), Ottawa, ON

Date Drilled: 'August 20, 2025

Split Spoon Sample

Combustible Vapour Reading

Drill Type: KX080 Excavator

Auger Sample

Natural Moisture Content

SPT (N) Value

Atterberg Limits

Datum: Geodetic Elevation

Dynamic Cone Test

Undrained Triaxial at % Strain at Failure

Shelby Tube

Shear Strength by Penetrometer Test

Logged by: JE Checked by: SMP

Shear Strength by Vane Test

G W L	S O I L	SOIL DESCRIPTION	Geodetic Elevation m	D e p t h	Standard Penetration Test N Value				Combustible Vapour Reading (ppm)			S A M P L E S	Natural Unit Wt. kN/m ³	
					Shear Strength kPa				250	500	750			
					20	40	60	80	Natural Moisture Content % Atterberg Limits (% Dry Weight)					
		TOPSOIL ~ 150 mm thick	65.42	0										
		FILL Silty sand and gravel, brown, damp, no odours, no stains	65.3											GS1
		FILL Clayey sand and gravel, brown, damp, no odours, no stains	64.4	1										GS2
														GS3
														GS4
														GS5
		SILTY CLAY Brown, moist, no odours, no stains	62.9											GS6
		SILTY CLAY Grey, moist, no odours, no stains	62.4	3										GS7
		Test Pit Terminated at 3.5 m Depth	61.9											

LOG OF BOREHOLE BH-LOGS - 265 CENTRUM BLVD.GPJ TROW OTTAWA.GDT 12/2/25

- NOTES:
- Borehole data requires interpretation by EXP before use by others
 - Test Pit backfilled on completion of excavation
 - Field work was supervised by an EXP representative.
 - See Notes on Sample Descriptions
 - Log to be read with EXP Report OTT-2202218-A0

WATER LEVEL RECORDS		
Date	Water Level (m)	Hole Open To (m)

CORE DRILLING RECORD			
Run No.	Depth (m)	% Rec.	RQD %

Log of Borehole TP 25-04



Project No: OTT-22022218-A0
 Project: High-Rise Commercial And Residential Development
 Location: 530 Brisebois Cres. Part of 265 Centrum Blvd. (Forum Lands), Ottawa, ON
 Date Drilled: August 20, 2025
 Drill Type: KX080 Excavator
 Datum: Geodetic Elevation
 Logged by: JE Checked by: SMP

Figure No. 15
 Page. 1 of 1

- Split Spoon Sample
- Auger Sample
- SPT (N) Value
- Dynamic Cone Test
- Shelby Tube
- Shear Strength by Vane Test
- Combustible Vapour Reading
- Natural Moisture Content
- Atterberg Limits
- Undrained Triaxial at % Strain at Failure
- Shear Strength by Penetrometer Test

GWL	SYMBOL	SOIL DESCRIPTION	Geodetic Elevation m	Depth	Standard Penetration Test N Value				Combustible Vapour Reading (ppm)			Natural Unit Wt. kN/m ³
					Shear Strength kPa				Natural Moisture Content %			
					20	40	60	80	250	500	750	
		TOPSOIL ~ 150 mm thick	64.54	0								GS1
		FILL Silty sand, brown, damp, no odours, no stains	64.4									GS2
		SILTY CLAY Brown, damp to moist, no odours, no stains	63.5	1								GS3
				2								GS4
												GS5
												GS6
		Test Pit Terminated at 3.0 m Depth	61.5	3								

LOG OF BOREHOLE BH-LOGS - 265 CENTRUM BLVD.GPJ TROW OTTAWA.GDT 12/2/25

- NOTES:
- Borehole data requires interpretation by EXP before use by others
 - Test Pit backfilled on completion of excavation
 - Field work was supervised by an EXP representative.
 - See Notes on Sample Descriptions
 - Log to be read with EXP Report OTT-22022218-A0

WATER LEVEL RECORDS		
Date	Water Level (m)	Hole Open To (m)

CORE DRILLING RECORD			
Run No.	Depth (m)	% Rec.	RQD %

Log of Borehole TP 25-05



Project No: OTT-2202218-A0

Figure No. 16

Project: High-Rise Commercial And Residential Development

Page. 1 of 1

Location: 530 Brisebois Cres. Part of 265 Centrum Blvd. (Forum Lands), Ottawa, ON

Date Drilled: August 20, 2025

Split Spoon Sample

Combustible Vapour Reading

Drill Type: KX080 Excavator

Auger Sample

Natural Moisture Content

SPT (N) Value

Atterberg Limits

Datum: Geodetic Elevation

Dynamic Cone Test

Undrained Triaxial at

Shelby Tube

% Strain at Failure

Logged by: JE Checked by: SMP

Shear Strength by Vane Test

Shear Strength by Penetrometer Test

G W L	S Y M B O L	SOIL DESCRIPTION	Geodetic Elevation m	D e p t h	Standard Penetration Test N Value				Combustible Vapour Reading (ppm)			S A M P L E S	Natural Unit Wt. kN/m ³
					Shear Strength				Natural Moisture Content % Atterberg Limits (% Dry Weight)				
					20	40	60	80	250	500	750		
		TOPSOIL ~ 200 mm thick	65.74	0									
		FILL Silty sand, brown, damp, no odours, no stains	65.5										GS1
		SILTY CLAY Some sand, brown, damp, no odours, no stains	65.2										GS2
		SILTY CLAY Grey, moist, no odours, no stains	64.7	1									GS3
													GS4
													GS5
													GS6
		Test Pit Terminated at 3.0 m Depth	62.7	3									

LOG OF BOREHOLE BH-LOGS - 265 CENTRUM BLVD.GPJ TROW OTTAWA.GDT 12/2/25

- NOTES:
- Borehole data requires interpretation by EXP before use by others
 - Test Pit backfilled on completion of excavation
 - Field work was supervised by an EXP representative.
 - See Notes on Sample Descriptions
 - Log to be read with EXP Report OTT-2202218-A0

WATER LEVEL RECORDS		
Date	Water Level (m)	Hole Open To (m)

CORE DRILLING RECORD			
Run No.	Depth (m)	% Rec.	RQD %

Log of Borehole TP 25-06



Project No: OTT-2202218-A0

Figure No. 17

Project: High-Rise Commercial And Residential Development

Page. 1 of 1

Location: 530 Brisebois Cres. Part of 265 Centrum Blvd. (Forum Lands), Ottawa, ON

Date Drilled: August 20, 2025

Split Spoon Sample

Combustible Vapour Reading

Drill Type: KX080 Excavator

Auger Sample

Natural Moisture Content

SPT (N) Value

Atterberg Limits

Datum: Geodetic Elevation

Dynamic Cone Test

Undrained Triaxial at

Shelby Tube

% Strain at Failure

Logged by: JE Checked by: SMP

Shear Strength by Vane Test

Shear Strength by Penetrometer Test

GWL	SOIL	SOIL DESCRIPTION	Geodetic Elevation m	Depth	Standard Penetration Test N Value				Combustible Vapour Reading (ppm)			Natural Unit Wt. kN/m ³
					Shear Strength kPa				250	500	750	
					20	40	60	80	Natural Moisture Content % Atterberg Limits (% Dry Weight)			
		TOPSOIL ~ 125 mm thick	65.63	0								
		FILL Silty sand and gravel, brown, damp, no odours, no stains	65.5									GS1
		FILL Clayey sand and gravel, brown, damp, no odours, no stains	65.1									GS2
				1								GS3
				2								GS4
		SILTY CLAY Brown, moist, no odours, no stains	63.6									GS5
		SILTY CLAY Grey, moist to wet, no odours, no stains	63.1									GS6
				3								GS7
		Test Pit Terminated at 3.5 m Depth	62.1									

LOG OF BOREHOLE BH-LOGS - 265 CENTRUM BLVD.GPJ TROW OTTAWA.GDT 12/2/25

- NOTES:
- Borehole data requires interpretation by EXP before use by others
 - Test Pit backfilled on completion of excavation
 - Field work was supervised by an EXP representative.
 - See Notes on Sample Descriptions
 - Log to be read with EXP Report OTT-2202218-A0

WATER LEVEL RECORDS		
Date	Water Level (m)	Hole Open To (m)

CORE DRILLING RECORD			
Run No.	Depth (m)	% Rec.	RQD %

Log of Borehole TP 25-07



Project No: OTT-22022218-A0

Figure No. 18

Project: High-Rise Commercial And Residential Development

Page. 1 of 1

Location: 530 Brisebois Cres. Part of 265 Centrum Blvd. (Forum Lands), Ottawa, ON

Date Drilled: 'August 20, 2025

Split Spoon Sample

Combustible Vapour Reading

Drill Type: KX080 Excavator

Auger Sample

Natural Moisture Content

SPT (N) Value

Atterberg Limits

Datum: Geodetic Elevation

Dynamic Cone Test

Undrained Triaxial at

Shelby Tube

% Strain at Failure

Logged by: JE Checked by: SMP

Shear Strength by

Shear Strength by

Vane Test

GWL	SOIL LOG	SOIL DESCRIPTION	Geodetic Elevation m	Depth	Standard Penetration Test N Value				Combustible Vapour Reading (ppm)			Natural Unit Wt. kN/m ³
					Shear Strength kPa				250	500	750	
					20	40	60	80	Natural Moisture Content % Atterberg Limits (% Dry Weight)			
		TOPSOIL ~ 125 mm thick	65.68	0								
		FILL Silty sand and gravel with cobbles and boulders, brown, damp, no odours, no stains	65.6									GS1
		FILL Clayey sand, trace gravel, cobbles and boulders, brown, damp, no odours, no stains	65.2									GS2
		FILL Silty clay, trace gravel, cobbles and boulders, brown, damp, no odours, no stains	64.7	1								GS3
		FILL Silty clay, trace gravel, brown to grey, damp, no odours, no stains	63.7									GS4
		FILL Silty clay, trace gravel, brown to grey, damp, no odours, no stains	63.2	2								GS5
		Asphalt pieces and boulders at 2.0 m depth	62.2									GS6
		SILTY CLAY Brown, moist, no odours, no stains		3								GS7
		SILTY CLAY Grey, moist to wet, no odours, no stains										
		Test Pit Terminated at 3.5 m Depth										

LOG OF BOREHOLE BH-LOGS - 265 CENTRUM BLVD.GPJ TROW OTTAWA.GDT 12/2/25

- NOTES:
- Borehole data requires interpretation by EXP before use by others
 - Test Pit backfilled on completion of excavation
 - Field work was supervised by an EXP representative.
 - See Notes on Sample Descriptions
 - Log to be read with EXP Report OTT-22022218-A0

WATER LEVEL RECORDS		
Date	Water Level (m)	Hole Open To (m)

CORE DRILLING RECORD			
Run No.	Depth (m)	% Rec.	RQD %

Log of Borehole TP 25-08



Project No: OTT-22022218-A0

Figure No. 19

Project: High-Rise Commercial And Residential Development

Page. 1 of 1

Location: 530 Brisebois Cres. Part of 265 Centrum Blvd. (Forum Lands), Ottawa, ON

Date Drilled: August 20, 2025

Split Spoon Sample

Combustible Vapour Reading

Drill Type: KX080 Excavator

Auger Sample

Natural Moisture Content

SPT (N) Value

Atterberg Limits

Datum: Geodetic Elevation

Dynamic Cone Test

Undrained Triaxial at % Strain at Failure

Shelby Tube

Shear Strength by Penetrometer Test

Logged by: JE Checked by: SMP

Shear Strength by Vane Test

G W L	S Y M B O L	SOIL DESCRIPTION	Geodetic Elevation m	D e p t h m	Standard Penetration Test N Value				Combustible Vapour Reading (ppm)			S A M P L E S	Natural Unit Wt. kN/m ³	
					Shear Strength kPa				Natural Moisture Content % Atterberg Limits (% Dry Weight)					
					20	40	60	80	250	500	750			
		TOPSOIL ~ 125 mm thick	67.17	0										
		FILL Mixture of silty sand, silty clay and gravel, cobbles and boulders, brick and concrete pieces, steel reinforcing bars, brown, damp, no odours, no stains	67.0	0										GS1
		BLAST SHATTERED ROCK FILL Silty sand and clayey sand with gravel, cobbles and boulders	65.7	1										GS2
				2										GS3
				3										GS4
														GS5
														GS6
														GS7
		Test Pit Terminated at 3.5 m Depth	63.7											

LOG OF BOREHOLE BH-LOGS - 265 CENTRUM BLVD.GPJ TROW OTTAWA.GDT 12/2/25

- NOTES:
- Borehole data requires interpretation by EXP before use by others
 - Test Pit backfilled on completion of excavation
 - Field work was supervised by an EXP representative.
 - See Notes on Sample Descriptions
 - Log to be read with EXP Report OTT-22022218-A0

WATER LEVEL RECORDS		
Date	Water Level (m)	Hole Open To (m)

CORE DRILLING RECORD			
Run No.	Depth (m)	% Rec.	RQD %

Log of Borehole TP 25-09



Project No: OTT-22022218-A0

Figure No. 20

Project: High-Rise Commercial And Residential Development

Page. 1 of 1

Location: 530 Brisebois Cres. Part of 265 Centrum Blvd. (Forum Lands), Ottawa, ON

Date Drilled: August 20, 2025

Split Spoon Sample

Combustible Vapour Reading

Drill Type: KX080 Excavator

Auger Sample

Natural Moisture Content

SPT (N) Value

Atterberg Limits

Datum: Geodetic Elevation

Dynamic Cone Test

Undrained Triaxial at

Shelby Tube

% Strain at Failure

Logged by: JE Checked by: SMP

Shear Strength by Vane Test

Shear Strength by Penetrometer Test

GWL	SOIL SYMBOL	SOIL DESCRIPTION	Geodetic Elevation m	Depth	Standard Penetration Test N Value				Combustible Vapour Reading (ppm)			Natural Unit Wt. kN/m ³
					Shear Strength kPa				250	500	750	
					20	40	60	80	Natural Moisture Content % Atterberg Limits (% Dry Weight)			
		TOPSOIL ~ 150 mm thick	69.22	0								GS1
		FILL Silty sand and gravel, cobbles and boulders, some clay, brown, damp, no odours, no stains	69.1	0								GS2
		With concrete pieces at 1.5 m depth	67.7	1								GS3
		SILTY CLAY Some sand and gravel, brown, damp to moist, no odours, no stains		2								GS4
				3								GS5
				4								GS6
				5								GS7
				6								GS8
		Test Pit Terminated at 4.0 m Depth	65.2	4								

LOG OF BOREHOLE BH-LOGS - 265 CENTRUM BLVD.GPJ TROW OTTAWA.GDT 12/2/25

- NOTES:
- Borehole data requires interpretation by EXP before use by others
 - Test Pit backfilled on completion of excavation
 - Field work was supervised by an EXP representative.
 - See Notes on Sample Descriptions
 - Log to be read with EXP Report OTT-22022218-A0

WATER LEVEL RECORDS		
Date	Water Level (m)	Hole Open To (m)

CORE DRILLING RECORD			
Run No.	Depth (m)	% Rec.	RQD %

Log of Borehole TP 25-10



Project No: OTT-2202218-A0

Figure No. 21

Project: High-Rise Commercial And Residential Development

Page. 1 of 1

Location: 530 Brisebois Cres. Part of 265 Centrum Blvd. (Forum Lands), Ottawa, ON

Date Drilled: August 20, 2025

Split Spoon Sample

Combustible Vapour Reading

Drill Type: KX080 Excavator

Auger Sample

Natural Moisture Content

SPT (N) Value

Atterberg Limits

Datum: Geodetic Elevation

Dynamic Cone Test

Undrained Triaxial at

Shelby Tube

% Strain at Failure

Logged by: JE Checked by: SMP

Shear Strength by

Shear Strength by

Vane Test

Penetrometer Test

GWL	SOIL LOG	SOIL DESCRIPTION	Geodetic Elevation m	Depth	Standard Penetration Test N Value				Combustible Vapour Reading (ppm)			Natural Unit Wt. kN/m ³
					Shear Strength kPa				Natural Moisture Content %			
					20	40	60	80	250	500	750	
		TOPSOIL ~ 150 mm thick	69.32	0								GS1
		FILL Silty sand and gravel, cobbles and boulders, asphalt, brick and snow fence pieces, brown, damp, no odours, no stains	69.2	0								GS2
				1								GS3
				2								GS4
		SILTY CLAY Brown, damp, no odours, no stains	67.3	2								GS5
				3								GS6
		Test Pit Terminated at 3.0 m Depth	66.3	3								

LOG OF BOREHOLE BH-LOGS - 265 CENTRUM BLVD.GPJ TROW OTTAWA.GDT 12/2/25

- NOTES:
- Borehole data requires interpretation by EXP before use by others
 - Test Pit backfilled on completion of excavation
 - Field work was supervised by an EXP representative.
 - See Notes on Sample Descriptions
 - Log to be read with EXP Report OTT-2202218-A0

WATER LEVEL RECORDS		
Date	Water Level (m)	Hole Open To (m)

CORE DRILLING RECORD			
Run No.	Depth (m)	% Rec.	RQD %

Appendix D: Analytical Summary Tables

Table 1 - Soil Analytical Results - VOC & PHC
Orleans Town Centre, Ottawa, Ontario
OTT-22022218-A0

Parameter	MECP Table 3 SCS ¹	TP-1-S2	TP-2-S3	DUP (Duplicate of TP-2-S3)	TP-3-S4	TP-4-S2	TP-5-S1	TP-6-S1	TP-7-S1	TP-8-S2	TP-9-S3	TP-10-S2
Sample Date (d/m/y)		20-Aug-25	20-Aug-25		20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25
Sample Depth (mbsg)		0.5 - 1.0	1.0 - 1.5		1.5 - 2.0	0.5 - 1.0	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.5 - 1.0	1.0 - 1.5	0.5 - 1.0
BV Lab ID	Residential (ug/g)	AUJF95	AUJF96	AUJG05	AUJF97	AUJF98	AUJF99	AUJG00	AUJG01	AUJG02	AUJG03	AUJG04
BV Certificate of Analysis		C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627
Volatile Organic Compounds												
Acetone	16	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Benzene	0.21	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Bromodichloromethane	13	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Bromoform	0.27	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Bromomethane	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Carbon Tetrachloride	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Chlorobenzene	2.4	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Chloroform	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dibromochloromethane	9.4	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,2-Dichlorobenzene	3.4	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,3-Dichlorobenzene	4.8	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,4-Dichlorobenzene	0.083	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1-Dichloroethane	3.5	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,2-Dichloroethane	0.05	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
1,1-Dichloroethylene	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Cis-1,2-Dichloroethylene	3.4	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Trans-1,2-Dichloroethylene	0.084	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,2-Dichloropropane	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Cis-1,3-Dichloropropylene	NV	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Trans-1,3-Dichloropropylene	NV	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Ethylbenzene	2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Ethylene Dibromide	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Methyl Ethyl Ketone	16	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Methylene Chloride	0.1	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
Methyl Isobutyl Ketone	1.7	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Methyl-t-Butyl Ether	0.75	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Styrene	0.7	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1,1,2-Tetrachloroethane	0.058	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1,2,2-Tetrachloroethane	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Toluene	2.3	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Tetrachloroethylene	0.28	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1,1-Trichloroethane	0.38	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1,2-Trichloroethane	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Trichloroethylene	0.061	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vinyl Chloride	0.02	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
m-Xylene & p-Xylene	NV	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
o-Xylene	NV	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Xylenes	3.1	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Dichlorodifluoromethane	16	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Hexane(n)	2.8	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Trichlorofluoromethane	4	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,3-Dichloropropene (cis + trans)	0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Petroleum Hydrocarbons												
F1 (C6-C10)	55	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F2 (C10-C16 Hydrocarbons)	98	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
F3 (C16-C34 Hydrocarbons)	300	<50	<50	<50	<50	<50	<50	<50	71	<50	<50	<50
F4 (C34-C50 Hydrocarbons)	2800	<50	53	<50	<50	<50	<50	<50	130	<50	<50	53

NOTES:

¹ Ontario Ministry of Environment, Conservation and Parks (MECP), Soil, Groundwater and Sediment Standards for use under Part XV.1 of the Environmental Protection Act, April 2011, Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition for Residential/Parkland/Institutional Land Use

BOLD Concentration exceeds MECP Table 3 Residential SCS.

NV No Value

NA Not analyzed

mbsg Metres below surface grade

Table 2 - Soil Analytical Results - Metals and Inorganics
Orleans Town Centre, Ottawa, Ontario
OTT-22022218-A0

Parameter	MECP Table 3 SCS ¹	TP-1-S2	TP-2-S3	DUP (Duplicate of TP-2-S3)	TP-3-S4	TP-4-S2	TP-5-S1	TP-6-S1	TP-7-S1	TP-8-S2	TP-9-S3	TP-10-S2
Sample Date (d/m/y)		20-Aug-25	20-Aug-25		20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25
Sample Depth (mbsg)		0.5 - 1.0	1.0 - 1.5		1.5 - 2.0	0.5 - 1.0	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.5 - 1.0	1.0 - 1.5	0.5 - 1.0
BV Lab ID	Residential (ug/g)	AUJF95	AUJF96	AUJG05	AUJF97	AUJF98	AUJF99	AUJG00	AUJG01	AUJG02	AUJG03	AUJG04
Date of Analysis		C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627
BV Certificate of Analysis		G107698	G107698	G107698	G107698	G107698	G107698	G107698	G107698	G107698	G107698	G107698
Metals												
Antimony	7.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Arsenic	18	1.7	1.9	2	2	1	1.6	1.8	2.3	2.5	1.9	1.7
Barium	390	220	130	150	160	83	180	130	150	130	150	110
Beryllium	4	0.71	0.71	0.73	0.75	0.4	0.76	0.59	0.43	0.5	0.49	0.47
Boron (Hot Water Soluble)	1.5	0.22	0.15	0.15	0.13	0.082	0.25	0.35	0.16	0.23	0.18	0.22
Boron (Total)	120	6.6	5.9	6.6	<5.0	<5.0	8.7	6.6	5.7	5.9	6	<5.0
Cadmium	1.2	0.12	<0.10	<0.10	<0.10	<0.10	0.16	0.2	0.12	0.18	<0.10	0.16
Chromium	160	74	63	70	63	44	81	44	32	37	44	42
Chromium VI	8	<0.18	<0.18	<0.18	<0.18	0.41	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Cobalt	22	15	15	17	14	9.1	15	11	8.6	10	11	11
Copper	140	32	30	33	20	14	36	23	22	21	24	22
Lead	120	9.5	7.1	7.5	7.9	4.5	11	14	9.8	16	10	8.3
Mercury	0.27	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Molybdenum	6.9	0.61	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	0.63	0.93	0.85	0.55
Nickel	100	44	38	44	35	24	46	28	22	25	30	25
Selenium	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Silver	20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium	1	0.23	0.17	0.19	0.18	0.11	0.27	0.21	0.16	0.18	0.25	0.13
Vanadium	86	66	59	63	61	39	64	44	32	40	44	48
Zinc	340	91	71	80	68	44	87	73	70	230	64	60
Uranium	23	1.0	0.94	0.89	1.8	0.02	0.04	0.02	0.03	0.02	0.01	0.01
Inorganics												
pH (pH Units)	NV	7.72	7.6	7.52	7.58	7.49	7.59	7.59	7.77	7.66	7.73	7.67
Conductivity (ms/cm)	0.7	0.32	0.17	0.17	0.32	0.055	0.23	0.3	0.25	0.17	0.23	0.26
Sodium Adsorption Ratio	5	0.25	0.37	0.37	0.43	0.49	0.44	3.6	2.7	0.25	1.4	0.2
Cyanide, Free	0.051	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

NOTES:

1 Ontario Ministry of Environment, Conservation and Parks (MECP), Soil, Groundwater and Sediment Standards for use under Part XV.1 of the Environmental Protection Act, April 2011, Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition for Residential/Parkland/Institutional Land Use

BOLD Concentration exceeds MECP Table 3 Residential SCS.

NV No Value

NA Not analyzed

mbsg Metres below surface grade

Table 3 - Soil Analytical Results - PAH
Orleans Town Centre, Ottawa, Ontario
OTT-2202218-A0

Parameter	MECP Table 3 SCS ¹	TP-1-S2	TP-2-S3	DUP (Duplicate of TP-2-S3)	TP-3-S4	TP-4-S2	TP-5-S1	TP-6-S1	TP-7-S1	TP-8-S2	TP-9-S3	TP-10-S2
Sample Date (d/m/y)	Residential (ug/g)	20-Aug-25	20-Aug-25		20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25	20-Aug-25
Sample Depth (mbsg)		0.5 - 1.0	1.0 - 1.5		1.5 - 2.0	0.5 - 1.0	0.0 - 0.5	0.0 - 0.5	0.0 - 0.5	0.5 - 1.0	1.0 - 1.5	0.5 - 1.0
BV Lab ID		AUJF95	AUJF96	AUJG05	AUJF97	AUJF98	AUJF99	AUJG00	AUJG01	AUJG02	AUJG03	AUJG04
Date of Analysis		C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627	C5A3627
BV Certificate of Analysis		G107698	G107698	G107698	G107698	G107698	G107698	G107698	G107698	G107698	G107698	G107698
Acenaphthene	7.9	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Acenaphthylene	0.15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.024	0.0073	<0.0050	<0.0050	<0.0050	<0.0050
Anthracene	0.67	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.015	0.0051	<0.0050	<0.0050	<0.0050	<0.0050
Benzo(a)anthracene	0.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.094	0.038	<0.0050	<0.0050	0.0064	0.0056
Benzo(a)pyrene	0.3	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.1	0.066	<0.0050	0.0056	0.0072	0.0073
Benzo(b)fluoranthene	0.78	0.0067	<0.0050	<0.0050	<0.0050	<0.0050	0.13	0.092	0.0077	0.008	0.011	0.012
Benzo(ghi)perylene	6.6	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.053	0.047	0.0057	0.0053	0.0063	0.0064
Benzo(k)fluoranthene	0.78	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.046	0.028	<0.0050	<0.0050	<0.0050	<0.0050
Chrysene	7	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.077	0.06	<0.0050	<0.0050	0.0066	0.0061
Dibenzo(a,h)anthracene	0.1	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.014	0.009	<0.0050	<0.0050	<0.0050	<0.0050
Fluoranthene	0.69	0.007	<0.0050	<0.0050	<0.0050	<0.0050	0.069	0.18	0.0064	0.0097	0.013	0.012
Fluorene	62	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Indeno(1,2,3-cd)pyrene	0.38	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.06	0.048	<0.0050	<0.0050	0.006	0.0061
1-Methylnaphthalene	0.99	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
2-Methylnaphthalene	0.99	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Naphthalene	0.6	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Phenanthrene	6.2	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.011	0.15	<0.0050	<0.0050	<0.0050	<0.0050
Pyrene	78	0.0069	<0.0050	<0.0050	<0.0050	<0.0050	0.08	0.14	0.0066	0.0082	0.011	0.01
Methylnaphthalene, 2-(1-)	0.99	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071

NOTES:

1 Ontario Ministry of Environment, Conservation and Parks (MECP), Soil, Groundwater and Sediment Standards for use under Part XV.1 of the Environmental Protection Act, April 2011, Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition for Residential/Parkland/Institutional Land Use

BOLD Concentration exceeds MECP Table 3 Residential SCS.

NV No Value

NA Not analyzed

mbsg Metres below surface grade

Table 4 Relative Percent Difference in Soil
 Orleans Town Centre, Ottawa, Ontario
 OTT-22022218-A0

Parameter	Units	RDL	MECP Table 3 SCS ¹	TP-2-S3	DUP (Duplicate of TP-2-S3)	RPD %	Alert Limit (%)
					8/20/2025		
Petroleum Hydrocarbons							
F1 (C6-C10)	ug/g	10	55	<10	<10	nc	60
F2 (C10-C16 Hydrocarbons)	ug/g	7	98	<7.0	<7.0	nc	60
F3 (C16-C34 Hydrocarbons)	ug/g	50	300	<50	<50	nc	60
F4 (C34-C50 Hydrocarbons)	ug/g	50	2800	53	<50	nc	60
Volatile Organic Compounds							
Acetone	ug/g	0.49	16	<0.49	<0.49	nc	100
Benzene	ug/g	0.006	0.21	<0.0060	<0.0060	nc	100
Bromodichloromethane	ug/g	0.040	13	<0.040	<0.040	nc	100
Bromoform	ug/g	0.040	0.27	<0.040	<0.040	nc	100
Bromomethane	ug/g	0.040	0.05	<0.040	<0.040	nc	100
Carbon Tetrachloride	ug/g	0.040	0.05	<0.040	<0.040	nc	100
Chlorobenzene	ug/g	0.040	2.4	<0.040	<0.040	nc	100
Chloroform	ug/g	0.040	0.05	<0.040	<0.040	nc	100
Dibromochloromethane	ug/g	0.040	9.4	<0.040	<0.040	nc	100
1,2-Dichlorobenzene	ug/g	0.040	3.4	<0.040	<0.040	nc	100
1,3-Dichlorobenzene	ug/g	0.040	4.8	<0.040	<0.040	nc	100
1,4-Dichlorobenzene	ug/g	0.040	0.083	<0.040	<0.040	nc	100
1,1-Dichloroethane	ug/g	0.040	3.5	<0.040	<0.040	nc	100
1,2-Dichloroethane	ug/g	0.049	0.05	<0.049	<0.049	nc	100
1,1-Dichloroethylene	ug/g	0.040	0.05	<0.040	<0.040	nc	100
Cis-1,2-Dichloroethylene	ug/g	0.040	3.4	<0.040	<0.040	nc	100
Trans-1,2-Dichloroethylene	ug/g	0.040	0.084	<0.040	<0.040	nc	100
1,2-Dichloropropane	ug/g	0.040	0.05	<0.040	<0.040	nc	100
Cis-1,3-Dichloropropylene	ug/g	0.030	NV	<0.030	<0.030	nc	100
Trans-1,3-Dichloropropylene	ug/g	0.040	NV	<0.040	<0.040	nc	100
Ethylbenzene	ug/g	0.010	2	<0.010	<0.010	nc	100
Ethylene Dibromide	ug/g	0.040	0.05	<0.040	<0.040	nc	100
Methyl Ethyl Ketone	ug/g	0.400	16	<0.40	<0.40	nc	100
Methylene Chloride	ug/g	0.049	0.1	<0.049	<0.049	nc	100
Methyl Isobutyl Ketone	ug/g	0.400	1.7	<0.40	<0.40	nc	100
Methyl-t-Butyl Ether	ug/g	0.040	0.75	<0.040	<0.040	nc	100
Styrene	ug/g	0.040	0.7	<0.040	<0.040	nc	100
1,1,1,2-Tetrachloroethane	ug/g	0.040	0.058	<0.040	<0.040	nc	100
1,1,2,2-Tetrachloroethane	ug/g	0.040	0.05	<0.040	<0.040	nc	100
Toluene	ug/g	0.020	2.3	<0.020	<0.020	nc	100
Tetrachloroethylene	ug/g	0.040	0.28	<0.040	<0.040	nc	100
1,1,1-Trichloroethane	ug/g	0.040	0.38	<0.040	<0.040	nc	100
1,1,2-Trichloroethane	ug/g	0.040	0.05	<0.040	<0.040	nc	100
Trichloroethylene	ug/g	0.010	0.061	<0.010	<0.010	nc	100
Vinyl Chloride	ug/g	0.019	0.02	<0.019	<0.019	nc	100
m-Xylene & p-Xylene	ug/g	0.020	NV	<0.020	<0.020	nc	100
o-Xylene	ug/g	0.020	NV	<0.020	<0.020	nc	100
Total Xylenes	ug/g	0.020	3.1	<0.020	<0.020	nc	100
Dichlorodifluoromethane	ug/g	0.040	16	<0.040	<0.040	nc	100
Dioxane, 1,4-	ug/g	0.040	2.8	<0.040	<0.040	nc	100
Hexane(n)	ug/g	0.040	4	<0.040	<0.040	nc	100
Trichlorofluoromethane	ug/g	0.050	0.05	<0.050	<0.050	nc	100
1,3-Dichloropropene (cis + trans)	ug/g	0.050	0.05	<0.050	<0.050	nc	100
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	ug/g	0.0050	7.9	<0.0050	<0.0050	nc	60
Acenaphthylene	ug/g	0.0050	0.15	<0.0050	<0.0050	nc	60
Anthracene	ug/g	0.0050	0.67	<0.0050	<0.0050	nc	60
Benzo(a)anthracene	ug/g	0.0050	0.5	<0.0050	<0.0050	nc	60
Benzo(a)pyrene	ug/g	0.0050	0.3	<0.0050	<0.0050	nc	60
Benzo(b)fluoranthene	ug/g	0.0050	0.78	<0.0050	<0.0050	nc	60
Benzo(ghi)perylene	ug/g	0.0050	6.6	<0.0050	<0.0050	nc	60
Benzo(k)fluoranthene	ug/g	0.0050	0.78	<0.0050	<0.0050	nc	60
Chrysene	ug/g	0.0050	7	<0.0050	<0.0050	nc	60
Dibenzo(a,h)anthracene	ug/g	0.0050	0.1	<0.0050	<0.0050	nc	60
Fluoranthene	ug/g	0.0050	0.69	<0.0050	<0.0050	nc	60
Fluorene	ug/g	0.0050	62	<0.0050	<0.0050	nc	60
Indeno(1,2,3-cd)pyrene	ug/g	0.0050	0.38	<0.0050	<0.0050	nc	60
1-Methylnaphthalene	ug/g	0.0050	0.99	<0.0050	<0.0050	nc	60
2-Methylnaphthalene	ug/g	0.0050	0.99	<0.0050	<0.0050	nc	60
Naphthalene	ug/g	0.0050	0.6	<0.0050	<0.0050	nc	60
Phenanthrene	ug/g	0.0050	6.2	<0.0050	<0.0050	nc	60
Pyrene	ug/g	0.0050	78	<0.0050	<0.0050	nc	60
Methylnaphthalene, 2-(1-)	ug/g	0.0071	0.99	<0.0071	<0.0071	nc	60
Metals							
Antimony	ug/g	0.2	7.5	<0.20	<0.20	nc	60
Arsenic	ug/g	1	18	1.9	2	5.1	60
Barium	ug/g	0.5	390	130	150	14.3	60
Beryllium	ug/g	0.2	4	0.71	0.73	2.8	60
Boron (Hot Water Soluble)	ug/g	0.05	1.5	0.15	0.15	0	60
Boron (Total)	ug/g	0.05	120	5.9	6.6	11.2	60
Cadmium	ug/g	0.1	1.2	<0.10	<0.10	nc	60
Chromium	ug/g	1	160	63	70	10.5	60
Chromium VI	ug/g	0.18	8	<0.18	<0.18	nc	60
Cobalt	ug/g	0.1	22	15	17	12.5	60
Copper	ug/g	0.5	140	30	33	9.5	60
Lead	ug/g	1	120	7.1	7.5	5.5	60
Mercury	ug/g	0.05	0.27	<0.050	<0.050	nc	60
Molybdenum	ug/g	0.5	6.9	<0.50	<0.50	nc	60
Nickel	ug/g	0.5	100	38	44	14.6	60
Selenium	ug/g	0.5	2.4	<0.50	<0.50	nc	60
Silver	ug/g	0.2	20	<0.20	<0.20	nc	60
Thallium	ug/g	0.05	1	0.17	0.19	11.1	60
Vanadium	ug/g	5	86	59	63	6.5	60
Zinc	ug/g	5	340	71	80	11.9	60
Uranium	ug/g	0.05	23	0.94	0.89	5.5	60
Inorganics							
pH (pH Units)	pH Units	NV	NV	7.6	7.52	1.05	60
Conductivity (ms/cm)	ms/cm	0.7	0.7	0.17	0.17	0	60
Sodium Adsorption Ratio	N/A	5	5	0.37	0.37	0	60
Cyanide, Free	ug/g	0.051	0.051	<0.01	<0.01	nc	60

NOTES:

1 MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the EPA, 2019, Table 3 Site Condition Standards in a Non-Potable Groundwater Condition

<RDL Non-detectable results are shown as "< (RDL)" where RDL represents the reporting detection limit.

N/A Not Applicable

nc Result non calculable

Indicates groundwater exceedance of MECP Table 3 SCS for residential/parkland/institutional land use

BOLD Indicates exceedance of the alert level

Table 5 - Maximum Concentrations in Soil
 Orleans Town Centre, Ottawa, Ontario
 OTT-22022218-A0

Parameter	Sample Location	Sampling Date	Sampling Depth (mbgs)	Maximum Concentration	MECP Table 3 Residential ¹
Petroleum Hydrocarbons					
F1 (C6-C10)	All sample locations	20-Aug-25	0.5 - 1.5	<10	55
F2 (C10-C16 Hydrocarbons)	All sample locations	20-Aug-25	0.5 - 1.5	<7	98
F3 (C16-C34 Hydrocarbons)	All sample locations	20-Aug-25	0.5 - 1.5	71	300
F4 (C34-C50 Hydrocarbons)	All sample locations	20-Aug-25	0.5 - 1.5	130	2800
Volatile Organic Compounds					
Acetone	All sample locations	20-Aug-25	0.5 - 1.5	0.49	16.0
Benzene	All sample locations	20-Aug-25	0.5 - 1.5	0.006	0.2
Bromodichloromethane	All sample locations	20-Aug-25	0.5 - 1.5	0.04	13.0
Bromoform	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.3
Bromomethane	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.1
Carbon Tetrachloride	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.1
Chlorobenzene	All sample locations	20-Aug-25	0.5 - 1.5	0.04	2.4
Chloroform	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.1
Dibromochloromethane	All sample locations	20-Aug-25	0.5 - 1.5	0.04	9.4
1,2-Dichlorobenzene	All sample locations	20-Aug-25	0.5 - 1.5	0.04	3.4
1,3-Dichlorobenzene	All sample locations	20-Aug-25	0.5 - 1.5	0.04	4.8
1,4-Dichlorobenzene	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.1
1,1-Dichloroethane	All sample locations	20-Aug-25	0.5 - 1.5	0.04	3.5
1,2-Dichloroethane	All sample locations	20-Aug-25	0.5 - 1.5	0.049	0.1
1,1-Dichloroethylene	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.1
Cis-1,2-Dichloroethylene	All sample locations	20-Aug-25	0.5 - 1.5	0.04	3.4
Trans-1,2-Dichloroethylene	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.1
1,2-Dichloropropane	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.1
Cis-1,3-Dichloropropylene	All sample locations	20-Aug-25	0.5 - 1.5	0.03	NV
Trans-1,3-Dichloropropylene	All sample locations	20-Aug-25	0.5 - 1.5	0.04	NV
Ethylbenzene	All sample locations	20-Aug-25	0.5 - 1.5	0.01	2.0
Ethylene Dibromide	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.1
Methyl Ethyl Ketone	All sample locations	20-Aug-25	0.5 - 1.5	0.4	16.0
Methylene Chloride	All sample locations	20-Aug-25	0.5 - 1.5	0.049	0.1
Methyl Isobutyl Ketone	All sample locations	20-Aug-25	0.5 - 1.5	0.4	1.7
Methyl-t-Butyl Ether	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.8
Styrene	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.7
1,1,1,2-Tetrachloroethane	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.1
1,1,2,2-Tetrachloroethane	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.1
Toluene	All sample locations	20-Aug-25	0.5 - 1.5	0.02	2.3
Tetrachloroethylene	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.3
1,1,1-Trichloroethane	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.4
1,1,2-Trichloroethane	All sample locations	20-Aug-25	0.5 - 1.5	0.04	0.1
Trichloroethylene	All sample locations	20-Aug-25	0.5 - 1.5	0.01	0.1
Vinyl Chloride	All sample locations	20-Aug-25	0.5 - 1.5	0.019	0.0
m-Xylene & p-Xylene	All sample locations	20-Aug-25	0.5 - 1.5	0.02	NV
o-Xylene	All sample locations	20-Aug-25	0.5 - 1.5	0.02	NV
Total Xylenes	All sample locations	20-Aug-25	0.5 - 1.5	0.02	3.1
Dichlorodifluoromethane	All sample locations	20-Aug-25	0.5 - 1.5	0.04	16.0
Dioxane, 1,4-	All sample locations	20-Aug-25	0.5 - 1.5	0.04	2.8
Hexane(n)	All sample locations	20-Aug-25	0.5 - 1.5	0.04	4.0
Trichlorofluoromethane	All sample locations	20-Aug-25	0.5 - 1.5	0.05	0.1
1,3-Dichloropropene (cis + trans)	All sample locations	20-Aug-25	0.5 - 1.5	0.05	0.05
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	All sample locations	20-Aug-25	0.5 - 1.5	0.005	7.9
Acenaphthylene	TP-5-S1	20-Aug-25	0.0 - 0.5	0.024	0.15
Anthracene	TP-5-S1	20-Aug-25	0.0 - 0.5	0.015	0.67
Benzo(a)anthracene	TP-5-S1	20-Aug-25	0.0 - 0.5	0.094	0.5
Benzo(a)pyrene	TP-5-S1	20-Aug-25	0.0 - 0.5	0.1	0.3
Benzo(b)fluoranthene	TP-5-S1	20-Aug-25	0.0 - 0.5	0.13	0.78
Benzo(g,h,i)perylene	TP-5-S1	20-Aug-25	0.0 - 0.5	0.053	6.6
Benzo(k)fluoranthene	TP-5-S1	20-Aug-25	0.0 - 0.5	0.046	0.78
Chrysene	TP-5-S1	20-Aug-25	0.0 - 0.5	0.077	7
Dibenzo(a,h)anthracene	TP-5-S1	20-Aug-25	0.0 - 0.5	0.014	0.1
Fluoranthene	TP-6-S1	20-Aug-25	0.0 - 0.5	0.18	0.69
Fluorene	All sample locations	20-Aug-25	0.5 - 1.5	0.005	62
Indeno(1,2,3-cd)pyrene	TP-5-S1	20-Aug-25	0.0 - 0.5	0.06	0.38
1-Methylnaphthalene	All sample locations	20-Aug-25	0.0 - 1.5	0.005	0.99
2-Methylnaphthalene	All sample locations	20-Aug-25	0.0 - 1.5	0.005	0.99
Naphthalene	All sample locations	20-Aug-25	0.0 - 1.5	0.005	0.6
Phenanthrene	TP-6-S1	20-Aug-25	0.0 - 0.5	0.15	6.2
Pyrene	TP-6-S1	20-Aug-25	0.0 - 1.5	0.14	78
Methylnaphthalene, 2-(1-)	All sample locations	20-Aug-25	0.0 - 1.5	0.0071	0.99
Metals					
Antimony	All sample locations	20-Aug-25	0.0 - 1.5	0.2	7.5
Arsenic	TP-8-S2	20-Aug-25	0.5 - 1.0	2.5	18
Barium	TP-1-S2	20-Aug-25	0.5 - 1.0	220	390
Beryllium	TP-5-S1	20-Aug-25	0.0 - 0.5	1	4
Boron (Hot Water Soluble)	TP-6-S1	20-Aug-25	0.0 - 0.5	0.35	1.5
Boron (Total)	TP-5-S1	20-Aug-25	0.0 - 1.5	8.7	120
Cadmium	TP-8-S2	20-Aug-25	0.5 - 1.0	0.18	1.2
Chromium	TP-1-S2	20-Aug-25	0.5 - 1.0	74	160
Chromium VI	TP-4-S2	20-Aug-25	0.5 - 1.0	0.41	8
Cobalt	DUP (Duplicate of TP-2-S3)	20-Aug-25	1.0 - 1.5	0.87	22
Copper	TP-5-S1	20-Aug-25	0.0 - 0.5	36	140
Lead	TP-8-S2	20-Aug-25	0.5 - 1.0	16	120
Mercury	All sample locations	20-Aug-25	0.0 - 1.5	0.05	0.27
Molybdenum	TP-8-S2	20-Aug-25	0.5 - 1.0	0.93	6.9
Nickel	TP-5-S1	20-Aug-25	0.0 - 0.5	46	100
Selenium	All sample locations	20-Aug-25	0.0 - 1.5	0.5	2.4
Silver	All sample locations	20-Aug-25	0.0 - 1.5	0.2	20
Thallium	TP-5-S1	20-Aug-25	0.0 - 0.5	0.27	1
Vanadium	TP-1-S2	20-Aug-25	0.5 - 1.0	66	86
Zinc	TP-8-S2	20-Aug-25	0.5 - 1.0	230	340
Uranium	TP-1-S2	20-Aug-25	TP-1-S2	1	23
Inorganics					
pH (pH Units)	TP-7-S1	20-Aug-25	0.0 - 0.5	7.77	NV
Conductivity (ms/cm)	TP-3-S4	20-Aug-25	1.5 - 2.0	0.32	0.7
Sodium Adsorption Ratio	TP-6-S1	20-Aug-25	0.0 - 0.5	3.6	5
Cyanide, Free	All sample locations	20-Aug-25	0.0 - 1.5	0.01	0.051

¹ MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the EPA, 2019, Table 3 Site Condition Standards in a Non-Potable Groundwater Condition

RDL Non-detectable results are shown as "(RDL)" where RDL represents the reporting detection limit.

NV No Value

Indicates groundwater exceedance of MECP Table 3 SCS for residential/parkland/institutional land use

Appendix E: Laboratory Certificates of Analysis



Your Project #: OTT-22022218-A0
 Your C.O.C. #: C#1056769-01-01

Attention: Leah Wells

exp Services Inc
 Ottawa Branch
 100-2650 Queensview Drive
 Ottawa, ON
 CANADA K2B 8H6

Report Date: 2025/08/28
 Report #: R8603113
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A3627

Received: 2025/08/21, 11:03

Sample Matrix: Soil
 # Samples Received: 11

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	11	N/A	2025/08/27	CAM SOP-00301	EPA 8270D m
Hot Water Extractable Boron (1)	3	2025/08/26	2025/08/26	CAM SOP-00408	R153 Ana. Prot. 2011
Hot Water Extractable Boron (1)	8	2025/08/26	2025/08/27	CAM SOP-00408	R153 Ana. Prot. 2011
1,3-Dichloropropene Sum (1)	11	N/A	2025/08/27		EPA 8260C m
Free (WAD) Cyanide (1)	2	2025/08/26	2025/08/26	CAM SOP-00457	OMOE E3015 m
Free (WAD) Cyanide (1)	9	2025/08/26	2025/08/27	CAM SOP-00457	OMOE E3015 m
Conductivity (1)	3	2025/08/26	2025/08/26	CAM SOP-00414	OMOE E3530 v1 m
Conductivity (1)	4	2025/08/26	2025/08/27	CAM SOP-00414	OMOE E3530 v1 m
Conductivity (1)	3	2025/08/27	2025/08/27	CAM SOP-00414	OMOE E3530 v1 m
Conductivity (1)	1	2025/08/28	2025/08/28	CAM SOP-00414	OMOE E3530 v1 m
Hexavalent Chromium in Soil by IC (1, 2)	11	2025/08/26	2025/08/26	CAM SOP-00436	EPA 3060A/7199 m
Petroleum Hydrocarbons F2-F4 in Soil (1, 3)	11	2025/08/24	2025/08/24	CAM SOP-00316	CCME CWS m
Acid Extractable Metals by ICPMS (1)	11	2025/08/26	2025/08/26	CAM SOP-00447	EPA 6020B m
Moisture (1)	11	N/A	2025/08/23	CAM SOP-00445	Carter 2nd ed 70.2 m
PAH Compounds in Soil by GC/MS (SIM) (1)	11	2025/08/26	2025/08/26	CAM SOP-00318	EPA 8270E
pH CaCl2 EXTRACT (1)	2	2025/08/26	2025/08/26	CAM SOP-00413	EPA 9045 D m
pH CaCl2 EXTRACT (1)	9	2025/08/28	2025/08/28	CAM SOP-00413	EPA 9045 D m
Sodium Adsorption Ratio (SAR) (1)	3	N/A	2025/08/26	CAM SOP-00102	EPA 6010C
Sodium Adsorption Ratio (SAR) (1)	8	N/A	2025/08/27	CAM SOP-00102	EPA 6010C
Volatile Organic Compounds and F1 PHCs (1)	1	N/A	2025/08/26	CAM SOP-00230	EPA 8260C m
Volatile Organic Compounds and F1 PHCs (1)	10	N/A	2025/08/27	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.



Your Project #: OTT-22022218-A0
Your C.O.C. #: C#1056769-01-01

Attention: Leah Wells

exp Services Inc
Ottawa Branch
100-2650 Queensview Drive
Ottawa, ON
CANADA K2B 8H6

Report Date: 2025/08/28
Report #: R8603113
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5A3627

Received: 2025/08/21, 11:03

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8

(2) Soils are reported on a dry weight basis unless otherwise specified.

(3) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

28 Aug 2025 18:28:22

Please direct all questions regarding this Certificate of Analysis to:

Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

=====
This report has been generated and distributed using a secure automated process.

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID		AUJF95			AUJF95		
Sampling Date		2025/08/20 13:36			2025/08/20 13:36		
COC Number		C#1056769-01-01			C#1056769-01-01		
	UNITS	TP-1-S2	RDL	QC Batch	TP-1-S2 Lab-Dup	RDL	QC Batch
Calculated Parameters							
Sodium Adsorption Ratio	N/A	0.25		9995223			
Inorganics							
Conductivity	mS/cm	0.32	0.002	9997809			
Available (CaCl2) pH	pH	7.72		9999756			
WAD Cyanide (Free)	ug/g	<0.01	0.01	9997967			
Chromium (VI)	ug/g	<0.18	0.18	9997743			
Metals							
Hot Water Ext. Boron (B)	ug/g	0.22	0.050	9997887			
Acid Extractable Antimony (Sb)	ug/g	<0.20	0.20	9997297	<0.20	0.20	9997297
Acid Extractable Arsenic (As)	ug/g	1.7	1.0	9997297	1.8	1.0	9997297
Acid Extractable Barium (Ba)	ug/g	220	0.50	9997297	220	0.50	9997297
Acid Extractable Beryllium (Be)	ug/g	0.71	0.20	9997297	0.73	0.20	9997297
Acid Extractable Boron (B)	ug/g	6.6	5.0	9997297	6.6	5.0	9997297
Acid Extractable Cadmium (Cd)	ug/g	0.12	0.10	9997297	0.13	0.10	9997297
Acid Extractable Chromium (Cr)	ug/g	74	1.0	9997297	75	1.0	9997297
Acid Extractable Cobalt (Co)	ug/g	15	0.10	9997297	15	0.10	9997297
Acid Extractable Copper (Cu)	ug/g	32	0.50	9997297	32	0.50	9997297
Acid Extractable Lead (Pb)	ug/g	9.5	1.0	9997297	9.3	1.0	9997297
Acid Extractable Molybdenum (Mo)	ug/g	0.61	0.50	9997297	0.57	0.50	9997297
Acid Extractable Nickel (Ni)	ug/g	44	0.50	9997297	44	0.50	9997297
Acid Extractable Selenium (Se)	ug/g	<0.50	0.50	9997297	<0.50	0.50	9997297
Acid Extractable Silver (Ag)	ug/g	<0.20	0.20	9997297	<0.20	0.20	9997297
Acid Extractable Thallium (Tl)	ug/g	0.23	0.050	9997297	0.23	0.050	9997297
Acid Extractable Uranium (U)	ug/g	1.0	0.050	9997297	1.0	0.050	9997297
Acid Extractable Vanadium (V)	ug/g	66	5.0	9997297	67	5.0	9997297
Acid Extractable Zinc (Zn)	ug/g	91	5.0	9997297	91	5.0	9997297
Acid Extractable Mercury (Hg)	ug/g	<0.050	0.050	9997297	<0.050	0.050	9997297
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID		AUJF96		AUJF97			AUJF97		
Sampling Date		2025/08/20 15:15		2025/08/20 14:10			2025/08/20 14:10		
COC Number		C#1056769-01-01		C#1056769-01-01			C#1056769-01-01		
	UNITS	TP-2-S3	QC Batch	TP-3-S4	RDL	QC Batch	TP-3-S4 Lab-Dup	RDL	QC Batch

Calculated Parameters

Sodium Adsorption Ratio	N/A	0.37	9995223	0.43		9995223			
-------------------------	-----	------	---------	------	--	---------	--	--	--

Inorganics

Conductivity	mS/cm	0.17	9997433	0.32	0.002	9997433			
Available (CaCl2) pH	pH	7.60	9997733	7.58		999756			
WAD Cyanide (Free)	ug/g	<0.01	9997354	<0.01	0.01	9997967			
Chromium (VI)	ug/g	<0.18	9997153	<0.18	0.18	9997743			

Metals

Hot Water Ext. Boron (B)	ug/g	0.15	9997888	0.13	0.050	9997359	0.12	0.050	9997359
Acid Extractable Antimony (Sb)	ug/g	<0.20	9997321	<0.20	0.20	9997297			
Acid Extractable Arsenic (As)	ug/g	1.9	9997321	2.0	1.0	9997297			
Acid Extractable Barium (Ba)	ug/g	130	9997321	160	0.50	9997297			
Acid Extractable Beryllium (Be)	ug/g	0.71	9997321	0.75	0.20	9997297			
Acid Extractable Boron (B)	ug/g	5.9	9997321	<5.0	5.0	9997297			
Acid Extractable Cadmium (Cd)	ug/g	<0.10	9997321	<0.10	0.10	9997297			
Acid Extractable Chromium (Cr)	ug/g	63	9997321	63	1.0	9997297			
Acid Extractable Cobalt (Co)	ug/g	15	9997321	14	0.10	9997297			
Acid Extractable Copper (Cu)	ug/g	30	9997321	20	0.50	9997297			
Acid Extractable Lead (Pb)	ug/g	7.1	9997321	7.9	1.0	9997297			
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	9997321	<0.50	0.50	9997297			
Acid Extractable Nickel (Ni)	ug/g	38	9997321	35	0.50	9997297			
Acid Extractable Selenium (Se)	ug/g	<0.50	9997321	<0.50	0.50	9997297			
Acid Extractable Silver (Ag)	ug/g	<0.20	9997321	<0.20	0.20	9997297			
Acid Extractable Thallium (Tl)	ug/g	0.17	9997321	0.18	0.050	9997297			
Acid Extractable Uranium (U)	ug/g	0.94	9997321	1.8	0.050	9997297			
Acid Extractable Vanadium (V)	ug/g	59	9997321	61	5.0	9997297			
Acid Extractable Zinc (Zn)	ug/g	71	9997321	68	5.0	9997297			
Acid Extractable Mercury (Hg)	ug/g	<0.050	9997321	<0.050	0.050	9997297			

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID		AUJF98		AUJF99	AUJG00		
Sampling Date		2025/08/20 14:15		2025/08/20 14:45	2025/08/20 16:45		
COC Number		C#1056769-01-01		C#1056769-01-01	C#1056769-01-01		
	UNITS	TP-4-S2	QC Batch	TP-5-S1	TP-6-S1	RDL	QC Batch

Calculated Parameters

Sodium Adsorption Ratio	N/A	0.49 (1)	9995223	0.44	3.6		9995223
-------------------------	-----	----------	---------	------	-----	--	---------

Inorganics

Conductivity	mS/cm	0.055	9998493	0.23	0.30	0.002	9997809
Available (CaCl2) pH	pH	7.49	9999756	7.59	7.59		9999756
WAD Cyanide (Free)	ug/g	<0.01	9997967	<0.01	<0.01	0.01	9997967
Chromium (VI)	ug/g	0.41	9997743	<0.18	<0.18	0.18	9997743

Metals

Hot Water Ext. Boron (B)	ug/g	0.082	9997887	0.25	0.35	0.050	9997887
Acid Extractable Antimony (Sb)	ug/g	<0.20	9997321	<0.20	<0.20	0.20	9997295
Acid Extractable Arsenic (As)	ug/g	1.0	9997321	1.6	1.8	1.0	9997295
Acid Extractable Barium (Ba)	ug/g	83	9997321	180	130	0.50	9997295
Acid Extractable Beryllium (Be)	ug/g	0.40	9997321	0.76	0.59	0.20	9997295
Acid Extractable Boron (B)	ug/g	<5.0	9997321	8.7	6.6	5.0	9997295
Acid Extractable Cadmium (Cd)	ug/g	<0.10	9997321	0.16	0.20	0.10	9997295
Acid Extractable Chromium (Cr)	ug/g	44	9997321	81	44	1.0	9997295
Acid Extractable Cobalt (Co)	ug/g	9.1	9997321	15	11	0.10	9997295
Acid Extractable Copper (Cu)	ug/g	14	9997321	36	23	0.50	9997295
Acid Extractable Lead (Pb)	ug/g	4.5	9997321	11	14	1.0	9997295
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	9997321	<0.50	0.53	0.50	9997295
Acid Extractable Nickel (Ni)	ug/g	24	9997321	46	28	0.50	9997295
Acid Extractable Selenium (Se)	ug/g	<0.50	9997321	<0.50	<0.50	0.50	9997295
Acid Extractable Silver (Ag)	ug/g	<0.20	9997321	<0.20	<0.20	0.20	9997295
Acid Extractable Thallium (Tl)	ug/g	0.11	9997321	0.27	0.21	0.050	9997295
Acid Extractable Uranium (U)	ug/g	0.74	9997321	1.3	0.71	0.050	9997295
Acid Extractable Vanadium (V)	ug/g	39	9997321	64	44	5.0	9997295
Acid Extractable Zinc (Zn)	ug/g	44	9997321	87	73	5.0	9997295
Acid Extractable Mercury (Hg)	ug/g	<0.050	9997321	<0.050	<0.050	0.050	9997295

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 (1) Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-A0
Sampler Initials: JE

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID		AUJG01		AUJG02		AUJG03		
Sampling Date		2025/08/20 13:00		2025/08/20 12:00		2025/08/20 10:45		
COC Number		C#1056769-01-01		C#1056769-01-01		C#1056769-01-01		
	UNITS	TP-7-S1	QC Batch	TP-8-S2	QC Batch	TP-9-S3	RDL	QC Batch

Calculated Parameters								
Sodium Adsorption Ratio	N/A	2.7	9995223	0.25 (1)	9995223	1.4		9995223
Inorganics								
Conductivity	mS/cm	0.25	9998493	0.17	9997433	0.23	0.002	9997809
Available (CaCl2) pH	pH	7.77	9999756	7.66	9999756	7.73		9999756
WAD Cyanide (Free)	ug/g	<0.01	9997967	<0.01	9997967	<0.01	0.01	9997967
Chromium (VI)	ug/g	<0.18	9997743	<0.18	9997743	<0.18	0.18	9997743
Metals								
Hot Water Ext. Boron (B)	ug/g	0.16	9997887	0.23	9997224	0.18	0.050	9997887
Acid Extractable Antimony (Sb)	ug/g	<0.20	9997321	<0.20	9997297	<0.20	0.20	9997295
Acid Extractable Arsenic (As)	ug/g	2.3	9997321	2.5	9997297	1.9	1.0	9997295
Acid Extractable Barium (Ba)	ug/g	150	9997321	130	9997297	150	0.50	9997295
Acid Extractable Beryllium (Be)	ug/g	0.43	9997321	0.50	9997297	0.49	0.20	9997295
Acid Extractable Boron (B)	ug/g	5.7	9997321	5.9	9997297	6.0	5.0	9997295
Acid Extractable Cadmium (Cd)	ug/g	0.12	9997321	0.18	9997297	<0.10	0.10	9997295
Acid Extractable Chromium (Cr)	ug/g	32	9997321	37	9997297	44	1.0	9997295
Acid Extractable Cobalt (Co)	ug/g	8.6	9997321	10	9997297	11	0.10	9997295
Acid Extractable Copper (Cu)	ug/g	22	9997321	21	9997297	24	0.50	9997295
Acid Extractable Lead (Pb)	ug/g	9.8	9997321	16	9997297	10	1.0	9997295
Acid Extractable Molybdenum (Mo)	ug/g	0.63	9997321	0.93	9997297	0.85	0.50	9997295
Acid Extractable Nickel (Ni)	ug/g	22	9997321	25	9997297	30	0.50	9997295
Acid Extractable Selenium (Se)	ug/g	<0.50	9997321	<0.50	9997297	<0.50	0.50	9997295
Acid Extractable Silver (Ag)	ug/g	<0.20	9997321	<0.20	9997297	<0.20	0.20	9997295
Acid Extractable Thallium (Tl)	ug/g	0.16	9997321	0.18	9997297	0.25	0.050	9997295
Acid Extractable Uranium (U)	ug/g	0.68	9997321	0.62	9997297	0.94	0.050	9997295
Acid Extractable Vanadium (V)	ug/g	32	9997321	40	9997297	44	5.0	9997295
Acid Extractable Zinc (Zn)	ug/g	70	9997321	230	9997297	64	5.0	9997295
Acid Extractable Mercury (Hg)	ug/g	<0.050	9997321	<0.050	9997297	<0.050	0.050	9997295

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 (1) Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID		AUJG04		AUJG05		
Sampling Date		2025/08/20 09:45		2025/08/20 15:15		
COC Number		C#1056769-01-01		C#1056769-01-01		
	UNITS	TP-10-S2	QC Batch	DUP	RDL	QC Batch
Calculated Parameters						
Sodium Adsorption Ratio	N/A	0.20 (1)	9995223	0.37		9995223
Inorganics						
Conductivity	mS/cm	0.26	9998493	0.17	0.002	9999352
Available (CaCl2) pH	pH	7.67	9999756	7.52		9997733
WAD Cyanide (Free)	ug/g	<0.01	9997967	<0.01	0.01	9997354
Chromium (VI)	ug/g	<0.18	9997743	<0.18	0.18	9997153
Metals						
Hot Water Ext. Boron (B)	ug/g	0.22	9997887	0.15	0.050	9997224
Acid Extractable Antimony (Sb)	ug/g	<0.20	9997321	<0.20	0.20	9997297
Acid Extractable Arsenic (As)	ug/g	1.7	9997321	2.0	1.0	9997297
Acid Extractable Barium (Ba)	ug/g	110	9997321	150	0.50	9997297
Acid Extractable Beryllium (Be)	ug/g	0.47	9997321	0.73	0.20	9997297
Acid Extractable Boron (B)	ug/g	<5.0	9997321	6.6	5.0	9997297
Acid Extractable Cadmium (Cd)	ug/g	0.16	9997321	<0.10	0.10	9997297
Acid Extractable Chromium (Cr)	ug/g	42	9997321	70	1.0	9997297
Acid Extractable Cobalt (Co)	ug/g	11	9997321	17	0.10	9997297
Acid Extractable Copper (Cu)	ug/g	22	9997321	33	0.50	9997297
Acid Extractable Lead (Pb)	ug/g	8.3	9997321	7.5	1.0	9997297
Acid Extractable Molybdenum (Mo)	ug/g	0.55	9997321	<0.50	0.50	9997297
Acid Extractable Nickel (Ni)	ug/g	25	9997321	44	0.50	9997297
Acid Extractable Selenium (Se)	ug/g	<0.50	9997321	<0.50	0.50	9997297
Acid Extractable Silver (Ag)	ug/g	<0.20	9997321	<0.20	0.20	9997297
Acid Extractable Thallium (Tl)	ug/g	0.13	9997321	0.19	0.050	9997297
Acid Extractable Uranium (U)	ug/g	1.0	9997321	0.89	0.050	9997297
Acid Extractable Vanadium (V)	ug/g	48	9997321	63	5.0	9997297
Acid Extractable Zinc (Zn)	ug/g	60	9997321	80	5.0	9997297
Acid Extractable Mercury (Hg)	ug/g	<0.050	9997321	<0.050	0.050	9997297
RDL = Reportable Detection Limit QC Batch = Quality Control Batch (1) Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.						



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

O.REG 153 PAHS (SOIL)

Bureau Veritas ID		AUJF95	AUJF96	AUJF97	AUJF98	AUJF99		
Sampling Date		2025/08/20 13:36	2025/08/20 15:15	2025/08/20 14:10	2025/08/20 14:15	2025/08/20 14:45		
COC Number		C#1056769-01-01	C#1056769-01-01	C#1056769-01-01	C#1056769-01-01	C#1056769-01-01		
	UNITS	TP-1-S2	TP-2-S3	TP-3-S4	TP-4-S2	TP-5-S1	RDL	QC Batch

Calculated Parameters

Methylnaphthalene, 2-(1-)	ug/g	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	0.0071	9995104
---------------------------	------	---------	---------	---------	---------	---------	--------	---------

Polyaromatic Hydrocarbons

Acenaphthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Acenaphthylene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.024	0.0050	9997135
Anthracene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.015	0.0050	9997135
Benzo(a)anthracene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.094	0.0050	9997135
Benzo(a)pyrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.10	0.0050	9997135
Benzo(b/j)fluoranthene	ug/g	0.0067	<0.0050	<0.0050	<0.0050	0.13	0.0050	9997135
Benzo(g,h,i)perylene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.053	0.0050	9997135
Benzo(k)fluoranthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.046	0.0050	9997135
Chrysene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.077	0.0050	9997135
Dibenzo(a,h)anthracene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.014	0.0050	9997135
Fluoranthene	ug/g	0.0070	<0.0050	<0.0050	<0.0050	0.069	0.0050	9997135
Fluorene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Indeno(1,2,3-cd)pyrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.060	0.0050	9997135
1-Methylnaphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
2-Methylnaphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Naphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Phenanthrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.011	0.0050	9997135
Pyrene	ug/g	0.0069	<0.0050	<0.0050	<0.0050	0.080	0.0050	9997135

Surrogate Recovery (%)

D10-Anthracene	%	103	104	102	106	101		9997135
D14-Terphenyl (FS)	%	86	85	82	87	83		9997135
D8-Acenaphthylene	%	87	87	82	86	89		9997135

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

O.REG 153 PAHS (SOIL)

Bureau Veritas ID		AUJG00	AUJG01	AUJG02	AUJG03	AUJG04		
Sampling Date		2025/08/20 16:45	2025/08/20 13:00	2025/08/20 12:00	2025/08/20 10:45	2025/08/20 09:45		
COC Number		C#1056769-01-01	C#1056769-01-01	C#1056769-01-01	C#1056769-01-01	C#1056769-01-01		
	UNITS	TP-6-S1	TP-7-S1	TP-8-S2	TP-9-S3	TP-10-S2	RDL	QC Batch

Calculated Parameters								
Methylnaphthalene, 2-(1-)	ug/g	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	0.0071	9995104
Polyaromatic Hydrocarbons								
Acenaphthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Acenaphthylene	ug/g	0.0073	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Anthracene	ug/g	0.0051	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Benzo(a)anthracene	ug/g	0.038	<0.0050	<0.0050	0.0064	0.0056	0.0050	9997135
Benzo(a)pyrene	ug/g	0.066	<0.0050	0.0056	0.0072	0.0073	0.0050	9997135
Benzo(b/j)fluoranthene	ug/g	0.092	0.0077	0.0080	0.011	0.012	0.0050	9997135
Benzo(g,h,i)perylene	ug/g	0.047	0.0057	0.0053	0.0063	0.0064	0.0050	9997135
Benzo(k)fluoranthene	ug/g	0.028	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Chrysene	ug/g	0.060	<0.0050	<0.0050	0.0066	0.0061	0.0050	9997135
Dibenzo(a,h)anthracene	ug/g	0.0090	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Fluoranthene	ug/g	0.18	0.0064	0.0097	0.013	0.012	0.0050	9997135
Fluorene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Indeno(1,2,3-cd)pyrene	ug/g	0.048	<0.0050	<0.0050	0.0060	0.0061	0.0050	9997135
1-Methylnaphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
2-Methylnaphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Naphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Phenanthrene	ug/g	0.15	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9997135
Pyrene	ug/g	0.14	0.0066	0.0082	0.011	0.010	0.0050	9997135
Surrogate Recovery (%)								
D10-Anthracene	%	100	108	103	97	101		9997135
D14-Terphenyl (FS)	%	82	88	84	78	81		9997135
D8-Acenaphthylene	%	94	99	93	85	90		9997135

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627

Report Date: 2025/08/28

exp Services Inc

Client Project #: OTT-22022218-AO

Sampler Initials: JE

O.REG 153 PAHS (SOIL)

Bureau Veritas ID		AUJG05		
Sampling Date		2025/08/20 15:15		
COC Number		C#1056769-01-01		
	UNITS	DUP	RDL	QC Batch
Calculated Parameters				
Methylnaphthalene, 2-(1-)	ug/g	<0.0071	0.0071	9995104
Polyaromatic Hydrocarbons				
Acenaphthene	ug/g	<0.0050	0.0050	9997135
Acenaphthylene	ug/g	<0.0050	0.0050	9997135
Anthracene	ug/g	<0.0050	0.0050	9997135
Benzo(a)anthracene	ug/g	<0.0050	0.0050	9997135
Benzo(a)pyrene	ug/g	<0.0050	0.0050	9997135
Benzo(b/j)fluoranthene	ug/g	<0.0050	0.0050	9997135
Benzo(g,h,i)perylene	ug/g	<0.0050	0.0050	9997135
Benzo(k)fluoranthene	ug/g	<0.0050	0.0050	9997135
Chrysene	ug/g	<0.0050	0.0050	9997135
Dibenzo(a,h)anthracene	ug/g	<0.0050	0.0050	9997135
Fluoranthene	ug/g	<0.0050	0.0050	9997135
Fluorene	ug/g	<0.0050	0.0050	9997135
Indeno(1,2,3-cd)pyrene	ug/g	<0.0050	0.0050	9997135
1-Methylnaphthalene	ug/g	<0.0050	0.0050	9997135
2-Methylnaphthalene	ug/g	<0.0050	0.0050	9997135
Naphthalene	ug/g	<0.0050	0.0050	9997135
Phenanthrene	ug/g	<0.0050	0.0050	9997135
Pyrene	ug/g	<0.0050	0.0050	9997135
Surrogate Recovery (%)				
D10-Anthracene	%	99		9997135
D14-Terphenyl (FS)	%	81		9997135
D8-Acenaphthylene	%	87		9997135
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AUJF95	AUJF96	AUJF97	AUJF98		
Sampling Date		2025/08/20 13:36	2025/08/20 15:15	2025/08/20 14:10	2025/08/20 14:15		
COC Number		C#1056769-01-01	C#1056769-01-01	C#1056769-01-01	C#1056769-01-01		
	UNITS	TP-1-S2	TP-2-S3	TP-3-S4	TP-4-S2	RDL	QC Batch

Calculated Parameters							
1,3-Dichloropropene (cis+trans)	ug/g	<0.050	<0.050	<0.050	<0.050	0.050	9995492
Volatile Organics							
Acetone (2-Propanone)	ug/g	<0.49	<0.49	<0.49	<0.49	0.49	9996539
Benzene	ug/g	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	9996539
Bromodichloromethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Bromoform	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Bromomethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Carbon Tetrachloride	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Chlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Chloroform	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Dibromochloromethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,2-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,3-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,4-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Dichlorodifluoromethane (FREON 12)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,1-Dichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,2-Dichloroethane	ug/g	<0.049	<0.049	<0.049	<0.049	0.049	9996539
1,1-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
cis-1,2-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
trans-1,2-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,2-Dichloropropane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
cis-1,3-Dichloropropene	ug/g	<0.030	<0.030	<0.030	<0.030	0.030	9996539
trans-1,3-Dichloropropene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Ethylbenzene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	9996539
Ethylene Dibromide	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Hexane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Methylene Chloride(Dichloromethane)	ug/g	<0.049	<0.049	<0.049	<0.049	0.049	9996539
Methyl Ethyl Ketone (2-Butanone)	ug/g	<0.40	<0.40	<0.40	<0.40	0.40	9996539
Methyl Isobutyl Ketone	ug/g	<0.40	<0.40	<0.40	<0.40	0.40	9996539
Methyl t-butyl ether (MTBE)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Styrene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,1,1,2-Tetrachloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,1,2,2-Tetrachloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Tetrachloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9996539

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-A0
Sampler Initials: JE

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AUJF95	AUJF96	AUJF97	AUJF98		
Sampling Date		2025/08/20 13:36	2025/08/20 15:15	2025/08/20 14:10	2025/08/20 14:15		
COC Number		C#1056769-01-01	C#1056769-01-01	C#1056769-01-01	C#1056769-01-01		
	UNITS	TP-1-S2	TP-2-S3	TP-3-S4	TP-4-S2	RDL	QC Batch
1,1,1-Trichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,1,2-Trichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Trichloroethylene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	9996539
Trichlorofluoromethane (FREON 11)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Vinyl Chloride	ug/g	<0.019	<0.019	<0.019	<0.019	0.019	9996539
p+m-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9996539
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9996539
Total Xylenes	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9996539
F1 (C6-C10)	ug/g	<10	<10	<10	<10	10	9996539
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	10	9996539
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	<7.0	<7.0	<7.0	7.0	9996231
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	9996231
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	9996231
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes		9996231
Surrogate Recovery (%)							
o-Terphenyl	%	92	91	96	97		9996231
4-Bromofluorobenzene	%	103	103	103	104		9996539
D10-o-Xylene	%	85	82	83	86		9996539
D4-1,2-Dichloroethane	%	96	95	95	96		9996539
D8-Toluene	%	84	85	84	85		9996539
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-A0
Sampler Initials: JE

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AUJF99	AUJG00	AUJG01	AUJG02		
Sampling Date		2025/08/20 14:45	2025/08/20 16:45	2025/08/20 13:00	2025/08/20 12:00		
COC Number		C#1056769-01-01	C#1056769-01-01	C#1056769-01-01	C#1056769-01-01		
	UNITS	TP-5-S1	TP-6-S1	TP-7-S1	TP-8-S2	RDL	QC Batch

Calculated Parameters							
1,3-Dichloropropene (cis+trans)	ug/g	<0.050	<0.050	<0.050	<0.050	0.050	9995492
Volatile Organics							
Acetone (2-Propanone)	ug/g	<0.49	<0.49	<0.49	<0.49	0.49	9996539
Benzene	ug/g	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	9996539
Bromodichloromethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Bromoform	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Bromomethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Carbon Tetrachloride	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Chlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Chloroform	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Dibromochloromethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,2-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,3-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,4-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Dichlorodifluoromethane (FREON 12)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,1-Dichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,2-Dichloroethane	ug/g	<0.049	<0.049	<0.049	<0.049	0.049	9996539
1,1-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
cis-1,2-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
trans-1,2-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,2-Dichloropropane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
cis-1,3-Dichloropropene	ug/g	<0.030	<0.030	<0.030	<0.030	0.030	9996539
trans-1,3-Dichloropropene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Ethylbenzene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	9996539
Ethylene Dibromide	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Hexane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Methylene Chloride(Dichloromethane)	ug/g	<0.049	<0.049	<0.049	<0.049	0.049	9996539
Methyl Ethyl Ketone (2-Butanone)	ug/g	<0.40	<0.40	<0.40	<0.40	0.40	9996539
Methyl Isobutyl Ketone	ug/g	<0.40	<0.40	<0.40	<0.40	0.40	9996539
Methyl t-butyl ether (MTBE)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Styrene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,1,1,2-Tetrachloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,1,2,2-Tetrachloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Tetrachloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9996539

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-A0
Sampler Initials: JE

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AUJF99	AUJG00	AUJG01	AUJG02		
Sampling Date		2025/08/20 14:45	2025/08/20 16:45	2025/08/20 13:00	2025/08/20 12:00		
COC Number		C#1056769-01-01	C#1056769-01-01	C#1056769-01-01	C#1056769-01-01		
	UNITS	TP-5-S1	TP-6-S1	TP-7-S1	TP-8-S2	RDL	QC Batch
1,1,1-Trichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
1,1,2-Trichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Trichloroethylene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	9996539
Trichlorofluoromethane (FREON 11)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9996539
Vinyl Chloride	ug/g	<0.019	<0.019	<0.019	<0.019	0.019	9996539
p+m-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9996539
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9996539
Total Xylenes	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9996539
F1 (C6-C10)	ug/g	<10	<10	<10	<10	10	9996539
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	10	9996539
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	<7.0	<7.0	<7.0	7.0	9996231
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	71	<50	50	9996231
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	130	<50	50	9996231
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes		9996231
Surrogate Recovery (%)							
o-Terphenyl	%	96	92	97	95		9996231
4-Bromofluorobenzene	%	103	104	104	104		9996539
D10-o-Xylene	%	87	110	98	109		9996539
D4-1,2-Dichloroethane	%	97	95	96	96		9996539
D8-Toluene	%	84	96	95	95		9996539
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AUJG03	AUJG04		AUJG05		
Sampling Date		2025/08/20 10:45	2025/08/20 09:45		2025/08/20 15:15		
COC Number		C#1056769-01-01	C#1056769-01-01		C#1056769-01-01		
	UNITS	TP-9-S3	TP-10-S2	QC Batch	DUP	RDL	QC Batch
Calculated Parameters							
1,3-Dichloropropene (cis+trans)	ug/g	<0.050	<0.050	9995492	<0.050	0.050	9995492
Volatile Organics							
Acetone (2-Propanone)	ug/g	<0.49	<0.49	9996539	<0.49	0.49	9996593
Benzene	ug/g	<0.0060	<0.0060	9996539	<0.0060	0.0060	9996593
Bromodichloromethane	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Bromoform	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Bromomethane	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Carbon Tetrachloride	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Chlorobenzene	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Chloroform	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Dibromochloromethane	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
1,2-Dichlorobenzene	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
1,3-Dichlorobenzene	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
1,4-Dichlorobenzene	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Dichlorodifluoromethane (FREON 12)	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
1,1-Dichloroethane	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
1,2-Dichloroethane	ug/g	<0.049	<0.049	9996539	<0.049	0.049	9996593
1,1-Dichloroethylene	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
cis-1,2-Dichloroethylene	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
trans-1,2-Dichloroethylene	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
1,2-Dichloropropane	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
cis-1,3-Dichloropropene	ug/g	<0.030	<0.030	9996539	<0.030	0.030	9996593
trans-1,3-Dichloropropene	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Ethylbenzene	ug/g	<0.010	<0.010	9996539	<0.010	0.010	9996593
Ethylene Dibromide	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Hexane	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Methylene Chloride(Dichloromethane)	ug/g	<0.049	<0.049	9996539	<0.049	0.049	9996593
Methyl Ethyl Ketone (2-Butanone)	ug/g	<0.40	<0.40	9996539	<0.40	0.40	9996593
Methyl Isobutyl Ketone	ug/g	<0.40	<0.40	9996539	<0.40	0.40	9996593
Methyl t-butyl ether (MTBE)	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Styrene	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
1,1,1,2-Tetrachloroethane	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
1,1,1,2-Tetrachloroethane	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Tetrachloroethylene	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Toluene	ug/g	<0.020	<0.020	9996539	<0.020	0.020	9996593
RDL = Reportable Detection Limit QC Batch = Quality Control Batch							



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-A0
Sampler Initials: JE

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AUJG03	AUJG04		AUJG05		
Sampling Date		2025/08/20 10:45	2025/08/20 09:45		2025/08/20 15:15		
COC Number		C#1056769-01-01	C#1056769-01-01		C#1056769-01-01		
	UNITS	TP-9-S3	TP-10-S2	QC Batch	DUP	RDL	QC Batch
1,1,1-Trichloroethane	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
1,1,2-Trichloroethane	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Trichloroethylene	ug/g	<0.010	<0.010	9996539	<0.010	0.010	9996593
Trichlorofluoromethane (FREON 11)	ug/g	<0.040	<0.040	9996539	<0.040	0.040	9996593
Vinyl Chloride	ug/g	<0.019	<0.019	9996539	<0.019	0.019	9996593
p+m-Xylene	ug/g	<0.020	<0.020	9996539	<0.020	0.020	9996593
o-Xylene	ug/g	<0.020	<0.020	9996539	<0.020	0.020	9996593
Total Xylenes	ug/g	<0.020	<0.020	9996539	<0.020	0.020	9996593
F1 (C6-C10)	ug/g	<10	<10	9996539	<10	10	9996593
F1 (C6-C10) - BTEX	ug/g	<10	<10	9996539	<10	10	9996593
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	<7.0	9996231	<7.0	7.0	9996231
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	9996231	<50	50	9996231
F4 (C34-C50 Hydrocarbons)	ug/g	<50	53	9996231	<50	50	9996231
Reached Baseline at C50	ug/g	Yes	Yes	9996231	Yes		9996231
Surrogate Recovery (%)							
o-Terphenyl	%	97	96	9996231	94		9996231
4-Bromofluorobenzene	%	104	104	9996539	95		9996593
D10-o-Xylene	%	104	110	9996539	103		9996593
D4-1,2-Dichloroethane	%	97	96	9996539	99		9996593
D8-Toluene	%	95	95	9996539	93		9996593
RDL = Reportable Detection Limit QC Batch = Quality Control Batch							



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AUJG05		
Sampling Date		2025/08/20 15:15		
COC Number		C#1056769-01-01		
	UNITS	DUP Lab-Dup	RDL	QC Batch
Volatile Organics				
Acetone (2-Propanone)	ug/g	<0.49	0.49	9996593
Benzene	ug/g	<0.0060	0.0060	9996593
Bromodichloromethane	ug/g	<0.040	0.040	9996593
Bromoform	ug/g	<0.040	0.040	9996593
Bromomethane	ug/g	<0.040	0.040	9996593
Carbon Tetrachloride	ug/g	<0.040	0.040	9996593
Chlorobenzene	ug/g	<0.040	0.040	9996593
Chloroform	ug/g	<0.040	0.040	9996593
Dibromochloromethane	ug/g	<0.040	0.040	9996593
1,2-Dichlorobenzene	ug/g	<0.040	0.040	9996593
1,3-Dichlorobenzene	ug/g	<0.040	0.040	9996593
1,4-Dichlorobenzene	ug/g	<0.040	0.040	9996593
Dichlorodifluoromethane (FREON 12)	ug/g	<0.040	0.040	9996593
1,1-Dichloroethane	ug/g	<0.040	0.040	9996593
1,2-Dichloroethane	ug/g	<0.049	0.049	9996593
1,1-Dichloroethylene	ug/g	<0.040	0.040	9996593
cis-1,2-Dichloroethylene	ug/g	<0.040	0.040	9996593
trans-1,2-Dichloroethylene	ug/g	<0.040	0.040	9996593
1,2-Dichloropropane	ug/g	<0.040	0.040	9996593
cis-1,3-Dichloropropene	ug/g	<0.030	0.030	9996593
trans-1,3-Dichloropropene	ug/g	<0.040	0.040	9996593
Ethylbenzene	ug/g	<0.010	0.010	9996593
Ethylene Dibromide	ug/g	<0.040	0.040	9996593
Hexane	ug/g	<0.040	0.040	9996593
Methylene Chloride(Dichloromethane)	ug/g	<0.049	0.049	9996593
Methyl Ethyl Ketone (2-Butanone)	ug/g	<0.40	0.40	9996593
Methyl Isobutyl Ketone	ug/g	<0.40	0.40	9996593
Methyl t-butyl ether (MTBE)	ug/g	<0.040	0.040	9996593
Styrene	ug/g	<0.040	0.040	9996593
1,1,1,2-Tetrachloroethane	ug/g	<0.040	0.040	9996593
1,1,2,2-Tetrachloroethane	ug/g	<0.040	0.040	9996593
Tetrachloroethylene	ug/g	<0.040	0.040	9996593
Toluene	ug/g	<0.020	0.020	9996593
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate				



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AUJG05		
Sampling Date		2025/08/20 15:15		
COC Number		C#1056769-01-01		
	UNITS	DUP Lab-Dup	RDL	QC Batch
1,1,1-Trichloroethane	ug/g	<0.040	0.040	9996593
1,1,2-Trichloroethane	ug/g	<0.040	0.040	9996593
Trichloroethylene	ug/g	<0.010	0.010	9996593
Trichlorofluoromethane (FREON 11)	ug/g	<0.040	0.040	9996593
Vinyl Chloride	ug/g	<0.019	0.019	9996593
p+m-Xylene	ug/g	<0.020	0.020	9996593
o-Xylene	ug/g	<0.020	0.020	9996593
Total Xylenes	ug/g	<0.020	0.020	9996593
F1 (C6-C10)	ug/g	<10	10	9996593
F1 (C6-C10) - BTEX	ug/g	<10	10	9996593
Surrogate Recovery (%)				
4-Bromofluorobenzene	%	96		9996593
D10-o-Xylene	%	102		9996593
D4-1,2-Dichloroethane	%	99		9996593
D8-Toluene	%	94		9996593
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate				



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-A0
Sampler Initials: JE

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		AUJF95		AUJF96		AUJF97		
Sampling Date		2025/08/20 13:36		2025/08/20 15:15		2025/08/20 14:10		
COC Number		C#1056769-01-01		C#1056769-01-01		C#1056769-01-01		
	UNITS	TP-1-S2	QC Batch	TP-2-S3	QC Batch	TP-3-S4	RDL	QC Batch

Inorganics								
Moisture	%	15	9996105	19	9996104	14	1.0	9996105
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								

Bureau Veritas ID		AUJF98	AUJF99	AUJG00		AUJG01		
Sampling Date		2025/08/20 14:15	2025/08/20 14:45	2025/08/20 16:45		2025/08/20 13:00		
COC Number		C#1056769-01-01	C#1056769-01-01	C#1056769-01-01		C#1056769-01-01		
	UNITS	TP-4-S2	TP-5-S1	TP-6-S1	QC Batch	TP-7-S1	RDL	QC Batch

Inorganics								
Moisture	%	20	25	9.8	9996104	5.1	1.0	9996105
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								

Bureau Veritas ID		AUJG02		AUJG03	AUJG04		AUJG05	
Sampling Date		2025/08/20 12:00		2025/08/20 10:45	2025/08/20 09:45		2025/08/20 15:15	
COC Number		C#1056769-01-01		C#1056769-01-01	C#1056769-01-01		C#1056769-01-01	
	UNITS	TP-8-S2	QC Batch	TP-9-S3	TP-10-S2	QC Batch	DUP	RDL QC Batch

Inorganics								
Moisture	%	15	9996104	15	11	9996105	18	1.0 9996104
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

TEST SUMMARY

Bureau Veritas ID: AUJF95
Sample ID: TP-1-S2
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9995104	N/A	2025/08/27	Automated Statchk
Hot Water Extractable Boron	ICP	9997887	2025/08/26	2025/08/27	Jaswinder Kaur
1,3-Dichloropropene Sum	CALC	9995492	N/A	2025/08/27	Automated Statchk
Free (WAD) Cyanide	TECH	9997967	2025/08/26	2025/08/27	Prgya Panchal
Conductivity	AT	9997809	2025/08/26	2025/08/27	Gurparteek KAUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9997743	2025/08/26	2025/08/26	Sousan Besharatlou
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9996231	2025/08/24	2025/08/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9997297	2025/08/26	2025/08/26	Daniel Teclu
Moisture	BAL	9996105	N/A	2025/08/23	Simranjit KAUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9997135	2025/08/26	2025/08/26	Lingyun Feng
pH CaCl2 EXTRACT	AT	9999756	2025/08/28	2025/08/28	Nachiketa Gohil
Sodium Adsorption Ratio (SAR)	CALC/MET	9995223	N/A	2025/08/27	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9996539	N/A	2025/08/27	Juan Pangilinan

Bureau Veritas ID: AUJF95 Dup
Sample ID: TP-1-S2
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9997297	2025/08/26	2025/08/26	Daniel Teclu

Bureau Veritas ID: AUJF96
Sample ID: TP-2-S3
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9995104	N/A	2025/08/27	Automated Statchk
Hot Water Extractable Boron	ICP	9997888	2025/08/26	2025/08/27	Jaswinder Kaur
1,3-Dichloropropene Sum	CALC	9995492	N/A	2025/08/27	Automated Statchk
Free (WAD) Cyanide	TECH	9997354	2025/08/26	2025/08/26	Prgya Panchal
Conductivity	AT	9997433	2025/08/26	2025/08/26	Gurparteek KAUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9997153	2025/08/26	2025/08/26	Rupinder Sihota
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9996231	2025/08/24	2025/08/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9997321	2025/08/26	2025/08/26	Daniel Teclu
Moisture	BAL	9996104	N/A	2025/08/23	Simranjit KAUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9997135	2025/08/26	2025/08/26	Lingyun Feng
pH CaCl2 EXTRACT	AT	9997733	2025/08/26	2025/08/26	Sreena Thekkoot
Sodium Adsorption Ratio (SAR)	CALC/MET	9995223	N/A	2025/08/26	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9996539	N/A	2025/08/27	Juan Pangilinan

Bureau Veritas ID: AUJF97
Sample ID: TP-3-S4
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9995104	N/A	2025/08/27	Automated Statchk



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

TEST SUMMARY

Bureau Veritas ID: AUJF97
Sample ID: TP-3-S4
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9997359	2025/08/26	2025/08/26	Aswathy Neduveli Suresh
1,3-Dichloropropene Sum	CALC	9995492	N/A	2025/08/27	Automated Statchk
Free (WAD) Cyanide	TECH	9997967	2025/08/26	2025/08/27	Prgya Panchal
Conductivity	AT	9997433	2025/08/26	2025/08/26	Gurparteek Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	9997743	2025/08/26	2025/08/26	Sousan Besharatlou
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9996231	2025/08/24	2025/08/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9997297	2025/08/26	2025/08/26	Daniel Teclu
Moisture	BAL	9996105	N/A	2025/08/23	Simranjit Kaur
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9997135	2025/08/26	2025/08/26	Lingyun Feng
pH CaCl2 EXTRACT	AT	9999756	2025/08/28	2025/08/28	Nachiketa Gohil
Sodium Adsorption Ratio (SAR)	CALC/MET	9995223	N/A	2025/08/26	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9996539	N/A	2025/08/27	Juan Pangilinan

Bureau Veritas ID: AUJF97 Dup
Sample ID: TP-3-S4
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9997359	2025/08/26	2025/08/26	Aswathy Neduveli Suresh

Bureau Veritas ID: AUJF98
Sample ID: TP-4-S2
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9995104	N/A	2025/08/27	Automated Statchk
Hot Water Extractable Boron	ICP	9997887	2025/08/26	2025/08/27	Jaswinder Kaur
1,3-Dichloropropene Sum	CALC	9995492	N/A	2025/08/27	Automated Statchk
Free (WAD) Cyanide	TECH	9997967	2025/08/26	2025/08/27	Prgya Panchal
Conductivity	AT	9998493	2025/08/27	2025/08/27	Gurparteek Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	9997743	2025/08/26	2025/08/26	Sousan Besharatlou
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9996231	2025/08/24	2025/08/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9997321	2025/08/26	2025/08/26	Daniel Teclu
Moisture	BAL	9996104	N/A	2025/08/23	Simranjit Kaur
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9997135	2025/08/26	2025/08/26	Lingyun Feng
pH CaCl2 EXTRACT	AT	9999756	2025/08/28	2025/08/28	Nachiketa Gohil
Sodium Adsorption Ratio (SAR)	CALC/MET	9995223	N/A	2025/08/27	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9996539	N/A	2025/08/27	Juan Pangilinan

Bureau Veritas ID: AUJF99
Sample ID: TP-5-S1
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9995104	N/A	2025/08/27	Automated Statchk
Hot Water Extractable Boron	ICP	9997887	2025/08/26	2025/08/27	Jaswinder Kaur



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

TEST SUMMARY

Bureau Veritas ID: AUJF99
Sample ID: TP-5-S1
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9995492	N/A	2025/08/27	Automated Statchk
Free (WAD) Cyanide	TECH	9997967	2025/08/26	2025/08/27	Prgya Panchal
Conductivity	AT	9997809	2025/08/26	2025/08/27	Gurpartee K AUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9997743	2025/08/26	2025/08/26	Sousan Besharatlou
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9996231	2025/08/24	2025/08/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9997295	2025/08/26	2025/08/26	Gagandeep Rai
Moisture	BAL	9996104	N/A	2025/08/23	Simranjit K AUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9997135	2025/08/26	2025/08/26	Lingyun Feng
pH CaCl2 EXTRACT	AT	9999756	2025/08/28	2025/08/28	Nachiketa Gohil
Sodium Adsorption Ratio (SAR)	CALC/MET	9995223	N/A	2025/08/27	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9996539	N/A	2025/08/27	Juan Pangilinan

Bureau Veritas ID: AUJG00
Sample ID: TP-6-S1
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9995104	N/A	2025/08/27	Automated Statchk
Hot Water Extractable Boron	ICP	9997887	2025/08/26	2025/08/27	Jaswinder Kaur
1,3-Dichloropropene Sum	CALC	9995492	N/A	2025/08/27	Automated Statchk
Free (WAD) Cyanide	TECH	9997967	2025/08/26	2025/08/27	Prgya Panchal
Conductivity	AT	9997809	2025/08/26	2025/08/27	Gurpartee K AUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9997743	2025/08/26	2025/08/26	Sousan Besharatlou
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9996231	2025/08/24	2025/08/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9997295	2025/08/26	2025/08/26	Gagandeep Rai
Moisture	BAL	9996104	N/A	2025/08/23	Simranjit K AUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9997135	2025/08/26	2025/08/26	Lingyun Feng
pH CaCl2 EXTRACT	AT	9999756	2025/08/28	2025/08/28	Nachiketa Gohil
Sodium Adsorption Ratio (SAR)	CALC/MET	9995223	N/A	2025/08/27	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9996539	N/A	2025/08/27	Juan Pangilinan

Bureau Veritas ID: AUJG01
Sample ID: TP-7-S1
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9995104	N/A	2025/08/27	Automated Statchk
Hot Water Extractable Boron	ICP	9997887	2025/08/26	2025/08/27	Jaswinder Kaur
1,3-Dichloropropene Sum	CALC	9995492	N/A	2025/08/27	Automated Statchk
Free (WAD) Cyanide	TECH	9997967	2025/08/26	2025/08/27	Prgya Panchal
Conductivity	AT	9998493	2025/08/27	2025/08/27	Gurpartee K AUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9997743	2025/08/26	2025/08/26	Sousan Besharatlou
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9996231	2025/08/24	2025/08/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9997321	2025/08/26	2025/08/26	Daniel Teclu
Moisture	BAL	9996105	N/A	2025/08/23	Simranjit K AUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9997135	2025/08/26	2025/08/26	Lingyun Feng



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

TEST SUMMARY

Bureau Veritas ID: AUJG01
Sample ID: TP-7-S1
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH CaCl2 EXTRACT	AT	9999756	2025/08/28	2025/08/28	Nachiketa Gohil
Sodium Adsorption Ratio (SAR)	CALC/MET	9995223	N/A	2025/08/27	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9996539	N/A	2025/08/27	Juan Pangilinan

Bureau Veritas ID: AUJG02
Sample ID: TP-8-S2
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9995104	N/A	2025/08/27	Automated Statchk
Hot Water Extractable Boron	ICP	9997224	2025/08/26	2025/08/26	Aswathy Neduveli Suresh
1,3-Dichloropropene Sum	CALC	9995492	N/A	2025/08/27	Automated Statchk
Free (WAD) Cyanide	TECH	9997967	2025/08/26	2025/08/27	Prgya Panchal
Conductivity	AT	9997433	2025/08/26	2025/08/26	Gurparteek KAUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9997743	2025/08/26	2025/08/26	Sousan Besharatlou
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9996231	2025/08/24	2025/08/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9997297	2025/08/26	2025/08/26	Daniel Teclu
Moisture	BAL	9996104	N/A	2025/08/23	Simranjit KAUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9997135	2025/08/26	2025/08/26	Lingyun Feng
pH CaCl2 EXTRACT	AT	9999756	2025/08/28	2025/08/28	Nachiketa Gohil
Sodium Adsorption Ratio (SAR)	CALC/MET	9995223	N/A	2025/08/26	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9996539	N/A	2025/08/27	Juan Pangilinan

Bureau Veritas ID: AUJG03
Sample ID: TP-9-S3
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9995104	N/A	2025/08/27	Automated Statchk
Hot Water Extractable Boron	ICP	9997887	2025/08/26	2025/08/27	Jaswinder Kaur
1,3-Dichloropropene Sum	CALC	9995492	N/A	2025/08/27	Automated Statchk
Free (WAD) Cyanide	TECH	9997967	2025/08/26	2025/08/27	Prgya Panchal
Conductivity	AT	9997809	2025/08/26	2025/08/27	Gurparteek KAUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9997743	2025/08/26	2025/08/26	Sousan Besharatlou
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9996231	2025/08/24	2025/08/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9997295	2025/08/26	2025/08/26	Gagandeep Rai
Moisture	BAL	9996105	N/A	2025/08/23	Simranjit KAUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9997135	2025/08/26	2025/08/26	Lingyun Feng
pH CaCl2 EXTRACT	AT	9999756	2025/08/28	2025/08/28	Nachiketa Gohil
Sodium Adsorption Ratio (SAR)	CALC/MET	9995223	N/A	2025/08/27	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9996539	N/A	2025/08/27	Juan Pangilinan



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

TEST SUMMARY

Bureau Veritas ID: AUJG04
Sample ID: TP-10-S2
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9995104	N/A	2025/08/27	Automated Statchk
Hot Water Extractable Boron	ICP	9997887	2025/08/26	2025/08/27	Jaswinder Kaur
1,3-Dichloropropene Sum	CALC	9995492	N/A	2025/08/27	Automated Statchk
Free (WAD) Cyanide	TECH	9997967	2025/08/26	2025/08/27	Prgya Panchal
Conductivity	AT	9998493	2025/08/27	2025/08/27	Gurparteek KAUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9997743	2025/08/26	2025/08/26	Sousan Besharatlou
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9996231	2025/08/24	2025/08/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9997321	2025/08/26	2025/08/26	Daniel Teclu
Moisture	BAL	9996105	N/A	2025/08/23	Simranjit KAUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9997135	2025/08/26	2025/08/26	Lingyun Feng
pH CaCl2 EXTRACT	AT	9999756	2025/08/28	2025/08/28	Nachiketa Gohil
Sodium Adsorption Ratio (SAR)	CALC/MET	9995223	N/A	2025/08/27	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9996539	N/A	2025/08/27	Juan Pangilinan

Bureau Veritas ID: AUJG05
Sample ID: DUP
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9995104	N/A	2025/08/27	Automated Statchk
Hot Water Extractable Boron	ICP	9997224	2025/08/26	2025/08/26	Aswathy Neduveli Suresh
1,3-Dichloropropene Sum	CALC	9995492	N/A	2025/08/27	Automated Statchk
Free (WAD) Cyanide	TECH	9997354	2025/08/26	2025/08/26	Prgya Panchal
Conductivity	AT	9999352	2025/08/28	2025/08/28	Gurparteek KAUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9997153	2025/08/26	2025/08/26	Rupinder Sihota
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9996231	2025/08/24	2025/08/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9997297	2025/08/26	2025/08/26	Daniel Teclu
Moisture	BAL	9996104	N/A	2025/08/23	Simranjit KAUR
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9997135	2025/08/26	2025/08/26	Lingyun Feng
pH CaCl2 EXTRACT	AT	9997733	2025/08/26	2025/08/26	Sreena Thekkoot
Sodium Adsorption Ratio (SAR)	CALC/MET	9995223	N/A	2025/08/27	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9996593	N/A	2025/08/26	Dina Wang

Bureau Veritas ID: AUJG05 Dup
Sample ID: DUP
Matrix: Soil

Collected: 2025/08/20
Shipped:
Received: 2025/08/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9996593	N/A	2025/08/26	Dina Wang



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-A0
Sampler Initials: JE

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	6.3°C
-----------	-------

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627

Report Date: 2025/08/28

QUALITY ASSURANCE REPORT

exp Services Inc

Client Project #: OTT-22022218-A0

Sampler Initials: JE

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9996231	o-Terphenyl	2025/08/24	94	60 - 140	94	60 - 140	90	%		
9996539	4-Bromofluorobenzene	2025/08/27	101	60 - 140	102	60 - 140	104	%		
9996539	D10-o-Xylene	2025/08/27	95	60 - 130	97	60 - 130	84	%		
9996539	D4-1,2-Dichloroethane	2025/08/27	95	60 - 140	95	60 - 140	94	%		
9996539	D8-Toluene	2025/08/27	98	60 - 140	98	60 - 140	86	%		
9996593	4-Bromofluorobenzene	2025/08/26	101	60 - 140	101	60 - 140	96	%		
9996593	D10-o-Xylene	2025/08/26	120	60 - 130	101	60 - 130	98	%		
9996593	D4-1,2-Dichloroethane	2025/08/26	96	60 - 140	96	60 - 140	97	%		
9996593	D8-Toluene	2025/08/26	103	60 - 140	105	60 - 140	94	%		
9997135	D10-Anthracene	2025/08/26	104	50 - 130	108	50 - 130	107	%		
9997135	D14-Terphenyl (FS)	2025/08/26	87	50 - 130	87	50 - 130	85	%		
9997135	D8-Acenaphthylene	2025/08/26	90	50 - 130	95	50 - 130	89	%		
9996104	Moisture	2025/08/23							1.7	20
9996105	Moisture	2025/08/23							6.1	20
9996231	F2 (C10-C16 Hydrocarbons)	2025/08/24	96	60 - 140	98	80 - 120	<7.0	ug/g	NC	30
9996231	F3 (C16-C34 Hydrocarbons)	2025/08/24	101	60 - 140	102	80 - 120	<50	ug/g	NC	30
9996231	F4 (C34-C50 Hydrocarbons)	2025/08/24	100	60 - 140	100	80 - 120	<50	ug/g	NC	30
9996539	1,1,1,2-Tetrachloroethane	2025/08/27	96	60 - 140	93	60 - 130	<0.040	ug/g		
9996539	1,1,1-Trichloroethane	2025/08/27	95	60 - 140	94	60 - 130	<0.040	ug/g		
9996539	1,1,2,2-Tetrachloroethane	2025/08/27	81	60 - 140	79	60 - 130	<0.040	ug/g		
9996539	1,1,2-Trichloroethane	2025/08/27	81	60 - 140	81	60 - 130	<0.040	ug/g		
9996539	1,1-Dichloroethane	2025/08/27	95	60 - 140	93	60 - 130	<0.040	ug/g		
9996539	1,1-Dichloroethylene	2025/08/27	101	60 - 140	98	60 - 130	<0.040	ug/g		
9996539	1,2-Dichlorobenzene	2025/08/27	88	60 - 140	86	60 - 130	<0.040	ug/g		
9996539	1,2-Dichloroethane	2025/08/27	94	60 - 140	93	60 - 130	<0.049	ug/g		
9996539	1,2-Dichloropropane	2025/08/27	96	60 - 140	95	60 - 130	<0.040	ug/g		
9996539	1,3-Dichlorobenzene	2025/08/27	90	60 - 140	88	60 - 130	<0.040	ug/g		
9996539	1,4-Dichlorobenzene	2025/08/27	88	60 - 140	88	60 - 130	<0.040	ug/g		
9996539	Acetone (2-Propanone)	2025/08/27	86	60 - 140	87	60 - 140	<0.49	ug/g		
9996539	Benzene	2025/08/27	100	60 - 140	99	60 - 130	<0.0060	ug/g	NC	50
9996539	Bromodichloromethane	2025/08/27	92	60 - 140	90	60 - 130	<0.040	ug/g		
9996539	Bromoform	2025/08/27	80	60 - 140	78	60 - 130	<0.040	ug/g		



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627

Report Date: 2025/08/28

QUALITY ASSURANCE REPORT(CONT'D)

exp Services Inc

Client Project #: OTT-22022218-A0

Sampler Initials: JE

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9996539	Bromomethane	2025/08/27	90	60 - 140	91	60 - 140	<0.040	ug/g		
9996539	Carbon Tetrachloride	2025/08/27	103	60 - 140	101	60 - 130	<0.040	ug/g		
9996539	Chlorobenzene	2025/08/27	82	60 - 140	82	60 - 130	<0.040	ug/g		
9996539	Chloroform	2025/08/27	96	60 - 140	95	60 - 130	<0.040	ug/g		
9996539	cis-1,2-Dichloroethylene	2025/08/27	102	60 - 140	100	60 - 130	<0.040	ug/g		
9996539	cis-1,3-Dichloropropene	2025/08/27	75	60 - 140	88	60 - 130	<0.030	ug/g		
9996539	Dibromochloromethane	2025/08/27	87	60 - 140	85	60 - 130	<0.040	ug/g		
9996539	Dichlorodifluoromethane (FREON 12)	2025/08/27	114	60 - 140	104	60 - 140	<0.040	ug/g		
9996539	Ethylbenzene	2025/08/27	94	60 - 140	95	60 - 130	<0.010	ug/g	NC	50
9996539	Ethylene Dibromide	2025/08/27	84	60 - 140	83	60 - 130	<0.040	ug/g		
9996539	F1 (C6-C10) - BTEX	2025/08/27					<10	ug/g	NC	30
9996539	F1 (C6-C10)	2025/08/27	85	60 - 140	81	80 - 120	<10	ug/g	NC	30
9996539	Hexane	2025/08/27	122	60 - 140	118	60 - 130	<0.040	ug/g		
9996539	Methyl Ethyl Ketone (2-Butanone)	2025/08/27	88	60 - 140	90	60 - 140	<0.40	ug/g		
9996539	Methyl Isobutyl Ketone	2025/08/27	93	60 - 140	96	60 - 130	<0.40	ug/g		
9996539	Methyl t-butyl ether (MTBE)	2025/08/27	90	60 - 140	92	60 - 130	<0.040	ug/g		
9996539	Methylene Chloride(Dichloromethane)	2025/08/27	96	60 - 140	94	60 - 130	<0.049	ug/g		
9996539	o-Xylene	2025/08/27	99	60 - 140	98	60 - 130	<0.020	ug/g	NC	50
9996539	p+m-Xylene	2025/08/27	91	60 - 140	93	60 - 130	<0.020	ug/g	NC	50
9996539	Styrene	2025/08/27	95	60 - 140	95	60 - 130	<0.040	ug/g		
9996539	Tetrachloroethylene	2025/08/27	89	60 - 140	87	60 - 130	<0.040	ug/g		
9996539	Toluene	2025/08/27	90	60 - 140	88	60 - 130	<0.020	ug/g	NC	50
9996539	Total Xylenes	2025/08/27					<0.020	ug/g	NC	50
9996539	trans-1,2-Dichloroethylene	2025/08/27	106	60 - 140	105	60 - 130	<0.040	ug/g		
9996539	trans-1,3-Dichloropropene	2025/08/27	74	60 - 140	86	60 - 130	<0.040	ug/g		
9996539	Trichloroethylene	2025/08/27	100	60 - 140	99	60 - 130	<0.010	ug/g		
9996539	Trichlorofluoromethane (FREON 11)	2025/08/27	96	60 - 140	93	60 - 130	<0.040	ug/g		
9996539	Vinyl Chloride	2025/08/27	102	60 - 140	97	60 - 130	<0.019	ug/g		
9996593	1,1,1,2-Tetrachloroethane	2025/08/26	104	60 - 140	102	60 - 130	<0.040	ug/g	NC	50
9996593	1,1,1-Trichloroethane	2025/08/26	94	60 - 140	92	60 - 130	<0.040	ug/g	NC	50
9996593	1,1,2,2-Tetrachloroethane	2025/08/26	89	60 - 140	87	60 - 130	<0.040	ug/g	NC	50
9996593	1,1,2-Trichloroethane	2025/08/26	95	60 - 140	95	60 - 130	<0.040	ug/g	NC	50



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627

Report Date: 2025/08/28

QUALITY ASSURANCE REPORT(CONT'D)

exp Services Inc

Client Project #: OTT-22022218-A0

Sampler Initials: JE

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9996593	1,1-Dichloroethane	2025/08/26	91	60 - 140	89	60 - 130	<0.040	ug/g	NC	50
9996593	1,1-Dichloroethylene	2025/08/26	96	60 - 140	95	60 - 130	<0.040	ug/g	NC	50
9996593	1,2-Dichlorobenzene	2025/08/26	97	60 - 140	94	60 - 130	<0.040	ug/g	NC	50
9996593	1,2-Dichloroethane	2025/08/26	98	60 - 140	95	60 - 130	<0.049	ug/g	NC	50
9996593	1,2-Dichloropropane	2025/08/26	96	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
9996593	1,3-Dichlorobenzene	2025/08/26	98	60 - 140	94	60 - 130	<0.040	ug/g	NC	50
9996593	1,4-Dichlorobenzene	2025/08/26	98	60 - 140	95	60 - 130	<0.040	ug/g	NC	50
9996593	Acetone (2-Propanone)	2025/08/26	83	60 - 140	85	60 - 140	<0.49	ug/g	NC	50
9996593	Benzene	2025/08/26	95	60 - 140	93	60 - 130	<0.0060	ug/g	NC	50
9996593	Bromodichloromethane	2025/08/26	93	60 - 140	91	60 - 130	<0.040	ug/g	NC	50
9996593	Bromoform	2025/08/26	97	60 - 140	95	60 - 130	<0.040	ug/g	NC	50
9996593	Bromomethane	2025/08/26	89	60 - 140	87	60 - 140	<0.040	ug/g	NC	50
9996593	Carbon Tetrachloride	2025/08/26	100	60 - 140	98	60 - 130	<0.040	ug/g	NC	50
9996593	Chlorobenzene	2025/08/26	89	60 - 140	88	60 - 130	<0.040	ug/g	NC	50
9996593	Chloroform	2025/08/26	95	60 - 140	92	60 - 130	<0.040	ug/g	NC	50
9996593	cis-1,2-Dichloroethylene	2025/08/26	101	60 - 140	98	60 - 130	<0.040	ug/g	NC	50
9996593	cis-1,3-Dichloropropene	2025/08/26	86	60 - 140	86	60 - 130	<0.030	ug/g	NC	50
9996593	Dibromochloromethane	2025/08/26	99	60 - 140	96	60 - 130	<0.040	ug/g	NC	50
9996593	Dichlorodifluoromethane (FREON 12)	2025/08/26	103	60 - 140	104	60 - 140	<0.040	ug/g	NC	50
9996593	Ethylbenzene	2025/08/26	95	60 - 140	94	60 - 130	<0.010	ug/g	NC	50
9996593	Ethylene Dibromide	2025/08/26	95	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
9996593	F1 (C6-C10) - BTEX	2025/08/26					<10	ug/g	NC	30
9996593	F1 (C6-C10)	2025/08/26	80	60 - 140	104	80 - 120	<10	ug/g	NC	30
9996593	Hexane	2025/08/26	108	60 - 140	107	60 - 130	<0.040	ug/g	NC	50
9996593	Methyl Ethyl Ketone (2-Butanone)	2025/08/26	92	60 - 140	91	60 - 140	<0.40	ug/g	NC	50
9996593	Methyl Isobutyl Ketone	2025/08/26	91	60 - 140	91	60 - 130	<0.40	ug/g	NC	50
9996593	Methyl t-butyl ether (MTBE)	2025/08/26	92	60 - 140	91	60 - 130	<0.040	ug/g	NC	50
9996593	Methylene Chloride(Dichloromethane)	2025/08/26	89	60 - 140	87	60 - 130	<0.049	ug/g	NC	50
9996593	o-Xylene	2025/08/26	102	60 - 140	101	60 - 130	<0.020	ug/g	NC	50
9996593	p+m-Xylene	2025/08/26	94	60 - 140	92	60 - 130	<0.020	ug/g	NC	50
9996593	Styrene	2025/08/26	96	60 - 140	95	60 - 130	<0.040	ug/g	NC	50
9996593	Tetrachloroethylene	2025/08/26	94	60 - 140	91	60 - 130	<0.040	ug/g	NC	50



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627

Report Date: 2025/08/28

QUALITY ASSURANCE REPORT(CONT'D)

exp Services Inc

Client Project #: OTT-22022218-A0

Sampler Initials: JE

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9996593	Toluene	2025/08/26	95	60 - 140	95	60 - 130	<0.020	ug/g	NC	50
9996593	Total Xylenes	2025/08/26					<0.020	ug/g	NC	50
9996593	trans-1,2-Dichloroethylene	2025/08/26	102	60 - 140	99	60 - 130	<0.040	ug/g	NC	50
9996593	trans-1,3-Dichloropropene	2025/08/26	98	60 - 140	97	60 - 130	<0.040	ug/g	NC	50
9996593	Trichloroethylene	2025/08/26	97	60 - 140	94	60 - 130	<0.010	ug/g	NC	50
9996593	Trichlorofluoromethane (FREON 11)	2025/08/26	93	60 - 140	92	60 - 130	<0.040	ug/g	NC	50
9996593	Vinyl Chloride	2025/08/26	92	60 - 140	91	60 - 130	<0.019	ug/g	NC	50
9997135	1-Methylnaphthalene	2025/08/26	91	50 - 130	98	50 - 130	<0.0050	ug/g	NC	40
9997135	2-Methylnaphthalene	2025/08/26	87	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40
9997135	Acenaphthene	2025/08/26	89	50 - 130	91	50 - 130	<0.0050	ug/g	NC	40
9997135	Acenaphthylene	2025/08/26	87	50 - 130	89	50 - 130	<0.0050	ug/g	NC	40
9997135	Anthracene	2025/08/26	111	50 - 130	106	50 - 130	<0.0050	ug/g	NC	40
9997135	Benzo(a)anthracene	2025/08/26	96	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
9997135	Benzo(a)pyrene	2025/08/26	93	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40
9997135	Benzo(b/j)fluoranthene	2025/08/26	100	50 - 130	97	50 - 130	<0.0050	ug/g	NC	40
9997135	Benzo(g,h,i)perylene	2025/08/26	96	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
9997135	Benzo(k)fluoranthene	2025/08/26	88	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
9997135	Chrysene	2025/08/26	78	50 - 130	79	50 - 130	<0.0050	ug/g	NC	40
9997135	Dibenzo(a,h)anthracene	2025/08/26	90	50 - 130	91	50 - 130	<0.0050	ug/g	NC	40
9997135	Fluoranthene	2025/08/26	100	50 - 130	98	50 - 130	<0.0050	ug/g	NC	40
9997135	Fluorene	2025/08/26	96	50 - 130	98	50 - 130	<0.0050	ug/g	NC	40
9997135	Indeno(1,2,3-cd)pyrene	2025/08/26	102	50 - 130	104	50 - 130	<0.0050	ug/g	NC	40
9997135	Naphthalene	2025/08/26	85	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40
9997135	Phenanthrene	2025/08/26	95	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40
9997135	Pyrene	2025/08/26	100	50 - 130	98	50 - 130	<0.0050	ug/g	NC	40
9997153	Chromium (VI)	2025/08/26	72	70 - 130	90	80 - 120	<0.18	ug/g	26	35
9997224	Hot Water Ext. Boron (B)	2025/08/26	100	75 - 125	110	75 - 125	<0.050	ug/g	3.6	40
9997295	Acid Extractable Antimony (Sb)	2025/08/26	92	75 - 125	98	80 - 120	<0.20	ug/g	NC	30
9997295	Acid Extractable Arsenic (As)	2025/08/26	92	75 - 125	98	80 - 120	<1.0	ug/g	7.9	30
9997295	Acid Extractable Barium (Ba)	2025/08/26	90	75 - 125	96	80 - 120	<0.50	ug/g	2.2	30
9997295	Acid Extractable Beryllium (Be)	2025/08/26	94	75 - 125	102	80 - 120	<0.20	ug/g	NC	30
9997295	Acid Extractable Boron (B)	2025/08/26	93	75 - 125	105	80 - 120	<5.0	ug/g	NC	30



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627

Report Date: 2025/08/28

QUALITY ASSURANCE REPORT(CONT'D)

exp Services Inc

Client Project #: OTT-22022218-A0

Sampler Initials: JE

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9997295	Acid Extractable Cadmium (Cd)	2025/08/26	91	75 - 125	97	80 - 120	<0.10	ug/g	NC	30
9997295	Acid Extractable Chromium (Cr)	2025/08/26	91	75 - 125	96	80 - 120	<1.0	ug/g	1.1	30
9997295	Acid Extractable Cobalt (Co)	2025/08/26	91	75 - 125	98	80 - 120	<0.10	ug/g	0.29	30
9997295	Acid Extractable Copper (Cu)	2025/08/26	91	75 - 125	99	80 - 120	<0.50	ug/g	0.71	30
9997295	Acid Extractable Lead (Pb)	2025/08/26	87	75 - 125	97	80 - 120	<1.0	ug/g	4.6	30
9997295	Acid Extractable Mercury (Hg)	2025/08/26	88	75 - 125	98	80 - 120	<0.050	ug/g	NC	30
9997295	Acid Extractable Molybdenum (Mo)	2025/08/26	89	75 - 125	94	80 - 120	<0.50	ug/g	NC	30
9997295	Acid Extractable Nickel (Ni)	2025/08/26	92	75 - 125	100	80 - 120	<0.50	ug/g	2.6	30
9997295	Acid Extractable Selenium (Se)	2025/08/26	91	75 - 125	98	80 - 120	<0.50	ug/g	NC	30
9997295	Acid Extractable Silver (Ag)	2025/08/26	92	75 - 125	99	80 - 120	<0.20	ug/g	NC	30
9997295	Acid Extractable Thallium (Tl)	2025/08/26	88	75 - 125	97	80 - 120	<0.050	ug/g	NC	30
9997295	Acid Extractable Uranium (U)	2025/08/26	90	75 - 125	97	80 - 120	<0.050	ug/g	7.1	30
9997295	Acid Extractable Vanadium (V)	2025/08/26	90	75 - 125	95	80 - 120	<5.0	ug/g	3.2	30
9997295	Acid Extractable Zinc (Zn)	2025/08/26	88	75 - 125	95	80 - 120	<5.0	ug/g	0.58	30
9997297	Acid Extractable Antimony (Sb)	2025/08/26	87	75 - 125	96	80 - 120	<0.20	ug/g	NC	30
9997297	Acid Extractable Arsenic (As)	2025/08/26	104	75 - 125	99	80 - 120	<1.0	ug/g	4.2	30
9997297	Acid Extractable Barium (Ba)	2025/08/26	NC	75 - 125	97	80 - 120	<0.50	ug/g	1.4	30
9997297	Acid Extractable Beryllium (Be)	2025/08/26	106	75 - 125	98	80 - 120	<0.20	ug/g	2.7	30
9997297	Acid Extractable Boron (B)	2025/08/26	94	75 - 125	93	80 - 120	<5.0	ug/g	0.20	30
9997297	Acid Extractable Cadmium (Cd)	2025/08/26	105	75 - 125	98	80 - 120	<0.10	ug/g	6.4	30
9997297	Acid Extractable Chromium (Cr)	2025/08/26	NC	75 - 125	94	80 - 120	<1.0	ug/g	0.70	30
9997297	Acid Extractable Cobalt (Co)	2025/08/26	99	75 - 125	94	80 - 120	<0.10	ug/g	2.0	30
9997297	Acid Extractable Copper (Cu)	2025/08/26	NC	75 - 125	97	80 - 120	<0.50	ug/g	0.51	30
9997297	Acid Extractable Lead (Pb)	2025/08/26	99	75 - 125	94	80 - 120	<1.0	ug/g	2.1	30
9997297	Acid Extractable Mercury (Hg)	2025/08/26	106	75 - 125	105	80 - 120	<0.050	ug/g	NC	30
9997297	Acid Extractable Molybdenum (Mo)	2025/08/26	98	75 - 125	90	80 - 120	<0.50	ug/g	7.4	30
9997297	Acid Extractable Nickel (Ni)	2025/08/26	NC	75 - 125	99	80 - 120	<0.50	ug/g	0.77	30
9997297	Acid Extractable Selenium (Se)	2025/08/26	103	75 - 125	101	80 - 120	<0.50	ug/g	NC	30
9997297	Acid Extractable Silver (Ag)	2025/08/26	99	75 - 125	93	80 - 120	<0.20	ug/g	NC	30
9997297	Acid Extractable Thallium (Tl)	2025/08/26	95	75 - 125	90	80 - 120	<0.050	ug/g	3.7	30
9997297	Acid Extractable Uranium (U)	2025/08/26	102	75 - 125	94	80 - 120	<0.050	ug/g	0.060	30
9997297	Acid Extractable Vanadium (V)	2025/08/26	NC	75 - 125	97	80 - 120	<5.0	ug/g	1.7	30



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627

Report Date: 2025/08/28

QUALITY ASSURANCE REPORT(CONT'D)

exp Services Inc

Client Project #: OTT-22022218-A0

Sampler Initials: JE

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9997297	Acid Extractable Zinc (Zn)	2025/08/26	NC	75 - 125	97	80 - 120	<5.0	ug/g	0.50	30
9997321	Acid Extractable Antimony (Sb)	2025/08/26	97	75 - 125	99	80 - 120	<0.20	ug/g		
9997321	Acid Extractable Arsenic (As)	2025/08/26	101	75 - 125	98	80 - 120	<1.0	ug/g		
9997321	Acid Extractable Barium (Ba)	2025/08/26	NC	75 - 125	95	80 - 120	<0.50	ug/g		
9997321	Acid Extractable Beryllium (Be)	2025/08/26	99	75 - 125	96	80 - 120	<0.20	ug/g		
9997321	Acid Extractable Boron (B)	2025/08/26	86	75 - 125	93	80 - 120	<5.0	ug/g		
9997321	Acid Extractable Cadmium (Cd)	2025/08/26	99	75 - 125	96	80 - 120	<0.10	ug/g		
9997321	Acid Extractable Chromium (Cr)	2025/08/26	102	75 - 125	95	80 - 120	<1.0	ug/g		
9997321	Acid Extractable Cobalt (Co)	2025/08/26	98	75 - 125	95	80 - 120	<0.10	ug/g		
9997321	Acid Extractable Copper (Cu)	2025/08/26	97	75 - 125	96	80 - 120	<0.50	ug/g		
9997321	Acid Extractable Lead (Pb)	2025/08/26	98	75 - 125	96	80 - 120	<1.0	ug/g		
9997321	Acid Extractable Mercury (Hg)	2025/08/26	99	75 - 125	97	80 - 120	<0.050	ug/g		
9997321	Acid Extractable Molybdenum (Mo)	2025/08/26	94	75 - 125	92	80 - 120	<0.50	ug/g		
9997321	Acid Extractable Nickel (Ni)	2025/08/26	102	75 - 125	97	80 - 120	<0.50	ug/g		
9997321	Acid Extractable Selenium (Se)	2025/08/26	101	75 - 125	99	80 - 120	<0.50	ug/g		
9997321	Acid Extractable Silver (Ag)	2025/08/26	93	75 - 125	92	80 - 120	<0.20	ug/g		
9997321	Acid Extractable Thallium (Tl)	2025/08/26	92	75 - 125	91	80 - 120	<0.050	ug/g		
9997321	Acid Extractable Uranium (U)	2025/08/26	101	75 - 125	97	80 - 120	<0.050	ug/g		
9997321	Acid Extractable Vanadium (V)	2025/08/26	108	75 - 125	97	80 - 120	<5.0	ug/g		
9997321	Acid Extractable Zinc (Zn)	2025/08/26	NC	75 - 125	97	80 - 120	<5.0	ug/g		
9997354	WAD Cyanide (Free)	2025/08/26	96	75 - 125	93	80 - 120	<0.01	ug/g	NC	35
9997359	Hot Water Ext. Boron (B)	2025/08/26	109	75 - 125	107	75 - 125	<0.050	ug/g	6.6	40
9997433	Conductivity	2025/08/26			103	90 - 110	<0.002	mS/cm	1.2	10
9997733	Available (CaCl2) pH	2025/08/26			101	97 - 103			0.25	N/A
9997743	Chromium (VI)	2025/08/26	87	70 - 130	94	80 - 120	<0.18	ug/g	NC	35
9997809	Conductivity	2025/08/27			101	90 - 110	<0.002	mS/cm	4.9	10
9997887	Hot Water Ext. Boron (B)	2025/08/27	109	75 - 125	95	75 - 125	<0.050	ug/g	2.2	40
9997888	Hot Water Ext. Boron (B)	2025/08/27	NC	75 - 125	90	75 - 125	<0.050	ug/g	5.2	40
9997967	WAD Cyanide (Free)	2025/08/27	88	75 - 125	93	80 - 120	<0.01	ug/g	NC	35
9998493	Conductivity	2025/08/27			104	90 - 110	<0.002	mS/cm	0.25	10
9999352	Conductivity	2025/08/28			103	90 - 110	<0.002	mS/cm	1.6	10



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627

Report Date: 2025/08/28

QUALITY ASSURANCE REPORT(CONT'D)

exp Services Inc

Client Project #: OTT-22022218-A0

Sampler Initials: JE

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9999756	Available (CaCl2) pH	2025/08/28			102	97 - 103			1.5	N/A

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).



BUREAU
VERITAS

Bureau Veritas Job #: C5A3627
Report Date: 2025/08/28

exp Services Inc
Client Project #: OTT-22022218-AO
Sampler Initials: JE

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



CSA3627
2025/08/21 11:03

Bureau Veritas
36 Antares Dr Unit 100, Nepean, Ontario Canada K2E 7W5 Tel: (613) 274-0573 Toll-free: 800 563-6266 Fax: (613) 274-0574 www.bvna.com

Received in Ottawa


CHAIN OF CUSTODY RECORD

Page 1 of 2

INVOICE TO: Company Name: #17498 exp Services Inc Attention: Accounts Payable Address: 100-2650 Queensview Drive Ottawa ON K2B 8H6 Tel: (613) 688-1899 Fax: (613) 225-7337 Email: AP@exp.com; Karen.Burke@exp.com		REPORT TO: Company Name: Leah Wells Attention: Leah Wells Address: Tel: Email: leah.wells@exp.com		PROJECT INFORMATION: Quotation #: C41513 P.O. #: Project: OTT-22022218-A0 Project Name: Site #: Sampled By: Jeremy Eckert		Laboratory Use Only: Bureau Veritas Job #: 1056762 Bottle Order #:  COC #:  Project Manager: Katherine Szostak	
--	--	---	--	--	--	---	--

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

Sample Identification	Sample (Location) Identification	Date Sampled	Time Sampled	Media	Filtration (please circle): Metals / Hg / Cr VI	10 Pb, 167 / OC by HB & F1-F4	10 mg / 15 PAHs	10 mg / 15 Metals & Inorganics Pkg	Turnaround Time (TAT) Required: Standard TAT: 5-7 Working Days for most tests.
1	TP-1-S2	25/08/20	13:36	S	X	X	X		Regular (Standard) TAT: <input checked="" type="checkbox"/> Standard TAT: 5-7 Working Days for most tests. Please note: Standard TAT for certain tests such as BOD and Dissolved Solids are > 5 days - contact your Project Manager for details. Job Specific Rush TAT (if applies to entire submission): Date Required: _____ Batch Confirmation Number: _____
2	TP-2-S3		15:15						 OTT-2025-08-258
3	TP-3-S4		14:10						
4	TP-4-S2		14:15						
5	TP-5-S1		14:45						
6	TP-6-S1		18:45						
7	TP-7-S1		13:00						
8	TP-8-S2		12:06						
9	TP-9-S3		10:45						
10	TP-10-S2		9:45						

RELINQUISHED BY: (Signature/Print) <i>Jeremy Eckert</i>	Date: (YY/MM/DD) 25/08/25	Time 17:06	RECEIVED BY: (Signature/Print) <i>Reda la Sibia</i>	Date: (YY/MM/DD) 2025/08/21	Time 11:03	Time Sensitive Temperature (°C) on Receipt 6/6/7 (ICE)	Laboratory Use Only: Custody Seal Present Initial	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
--	------------------------------	---------------	--	--------------------------------	---------------	--	---	---

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/COC-TERMS-AND-CONDITIONS.

** IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/CHAIN-CUSTODY-FORMS-COCS.

White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

C5A3627
2025/08/21 11:03

Bureau Veritas
36 Antares Dr Unit 100, Nepean, Ontario Canada K2E 7W5 Tel: (613) 274-0573 Toll-free 800-563-6266 Fax: (613) 274-0574 www.bvna.com

Received in Ottawa

CHAIN OF CUSTODY RECORD

INVOICE TO: Company Name: #17498 exp Services Inc Attention: Accounts Payable Address: 100-2650 Queensview Drive Ottawa ON K2B 8H6 Tel: (613) 688-1899 Fax: (613) 225-7337 Email: AP@exp.com; Karen.Burke@exp.com		REPORT TO: Company Name: Leah Wells Attention: Leah Wells Address: _____ Tel: _____ Fax: _____ Email: leah.wells@exp.com		PROJECT INFORMATION: Quotation #: C41513 P.O. #: _____ Project: OTT-22022218-A0 Project Name: _____ Site #: _____ Sampled By: Jeremy Eckert		Laboratory Use Only: Bureau Veritas Job #: _____ Bottle Order #: _____ COC #: _____ Project Manager: Katherine Szozda	
--	--	--	--	--	--	--	--

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY

Regulation: IS3 (2011) <input type="checkbox"/> Table 1 <input type="checkbox"/> Table 2 <input checked="" type="checkbox"/> Table 3 <input type="checkbox"/> Table 4	<input checked="" type="checkbox"/> Res/Park <input type="checkbox"/> Ind/Comm <input checked="" type="checkbox"/> Syn/Other	<input checked="" type="checkbox"/> Medium/Fine <input type="checkbox"/> Coarse <input type="checkbox"/> For RSC	Other Regulations <input type="checkbox"/> CCM 11 <input type="checkbox"/> Reg 558 <input type="checkbox"/> MISA <input type="checkbox"/> PWGO <input type="checkbox"/> Other	<input type="checkbox"/> Sanitary Sewer Bylaw <input type="checkbox"/> Storm Sewer Bylaw <input type="checkbox"/> Municipality <input type="checkbox"/> Reg 400 Table	Special Instructions
--	--	--	---	--	-------------------------------------

Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr / VI	Reg 153 VOCs by HS & FT-F4	Reg 153 PAHs	Reg 153 Metals & Inorganics Pkg	ANALYSIS REQUESTED (PLEASE BE SPECIFIC)	Turnaround Time (TAT) Required: <small>Please specify any extra needed for rush projects</small>	# of Bottles	Comments
	DUP	25/08/20	15:15	S	X	X	X			Regular (Standard) TAT: <small>(will be applied if Rush TAT is not specified)</small> Standard TAT = 5-7 Working days for most tests. <small>Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details</small>	4	

RELINQUISHED BY: (Signature/Print) Jeremy Eckert	Date: (YY/MM/DD) 25/08/20	Time 17:00	RECEIVED BY: (Signature/Print) Cheryl Page	Date: (YY/MM/DD) 	Time 	# jars used and not submitted 	Laboratory Use Only Time Sensitive: _____ Temperature (°C) on Reel: _____ Custody Seal Present: _____ Intact: _____		
--	-------------------------------------	----------------------	--	---------------------------------	---------------------	--	--	--	--

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/COC-TERMS-AND-CONDITIONS.

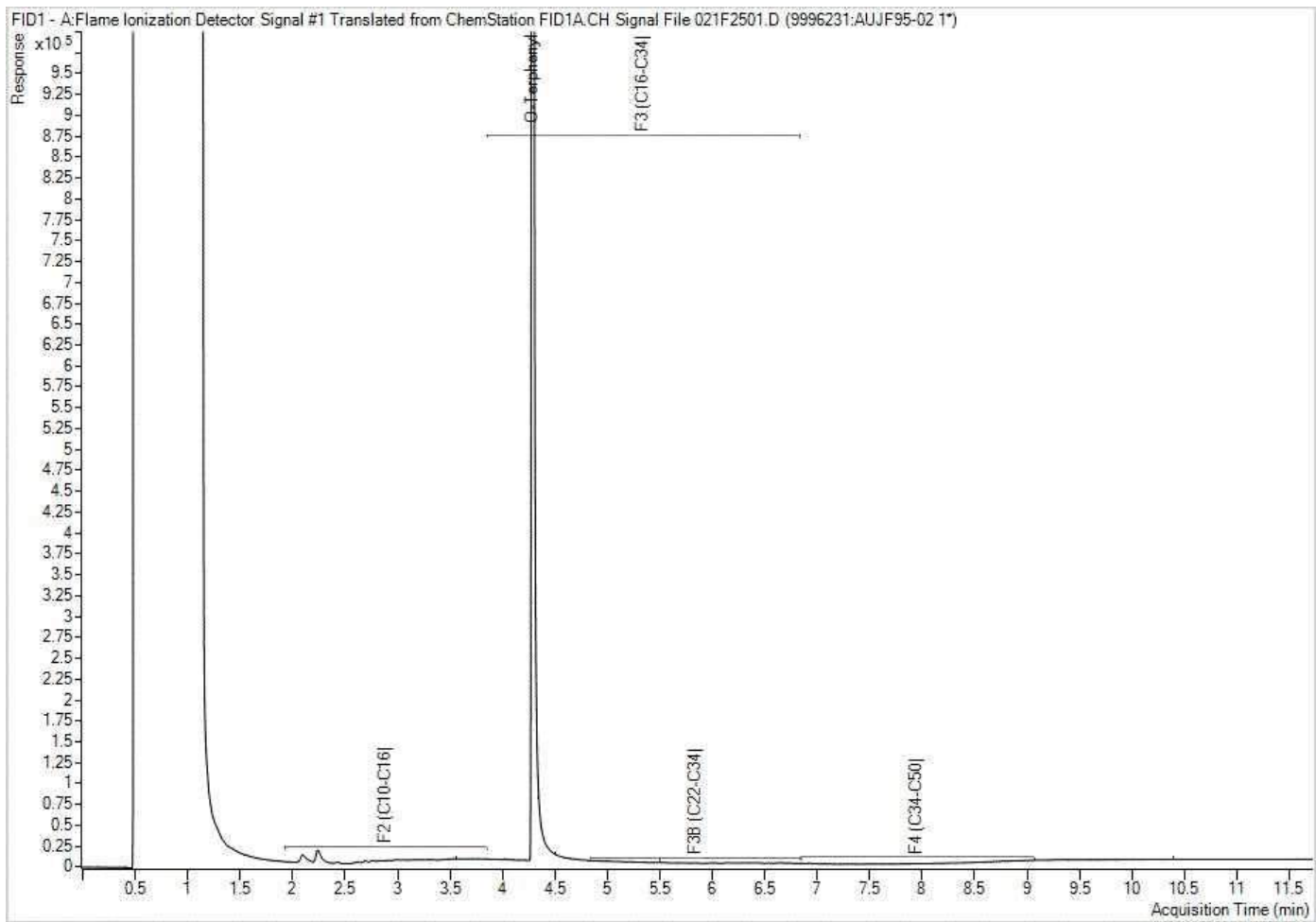
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/CHAIN-CUSTODY-FORMS-COCS.

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS

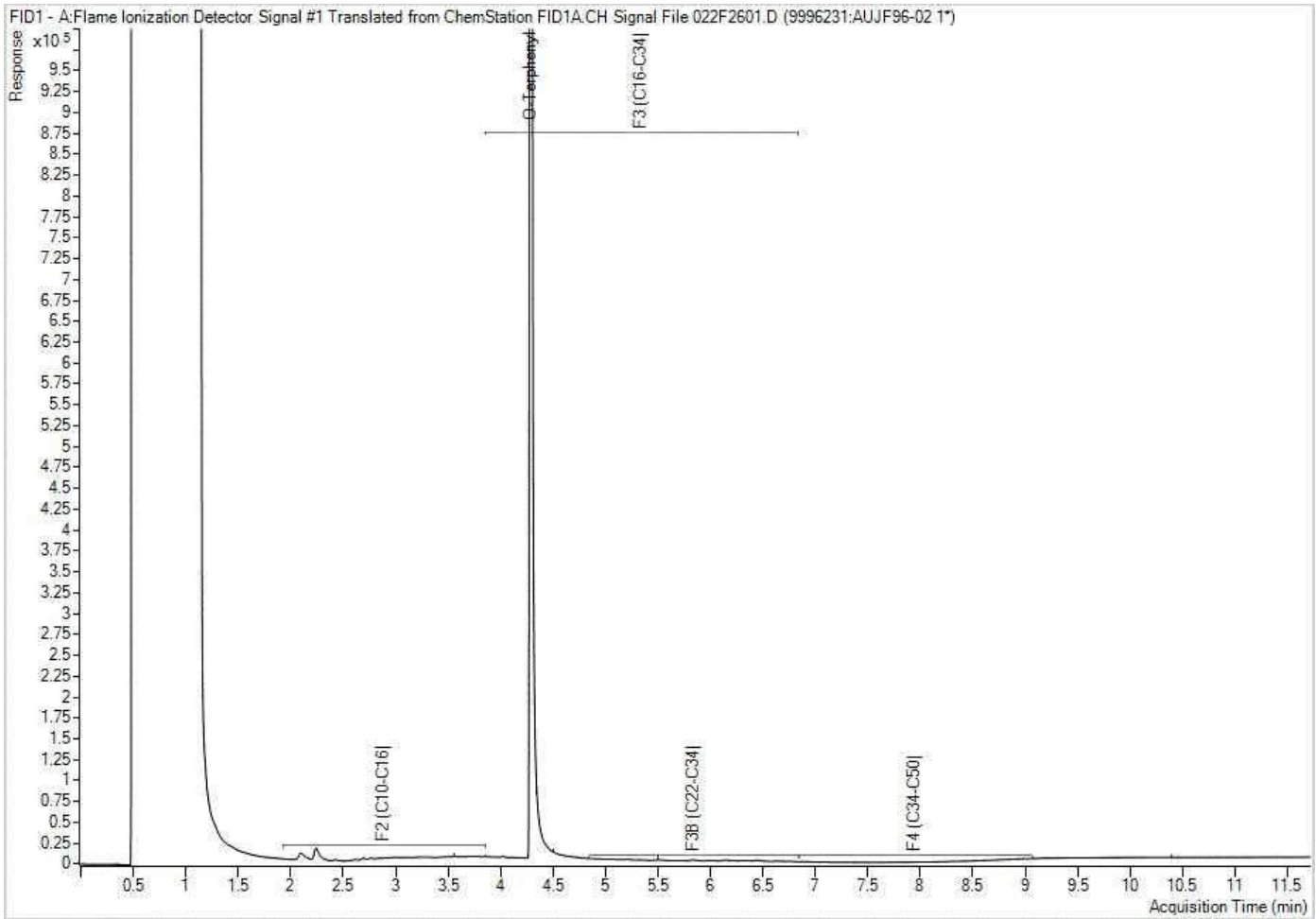
White: Bureau Veritas Yellow: Client

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



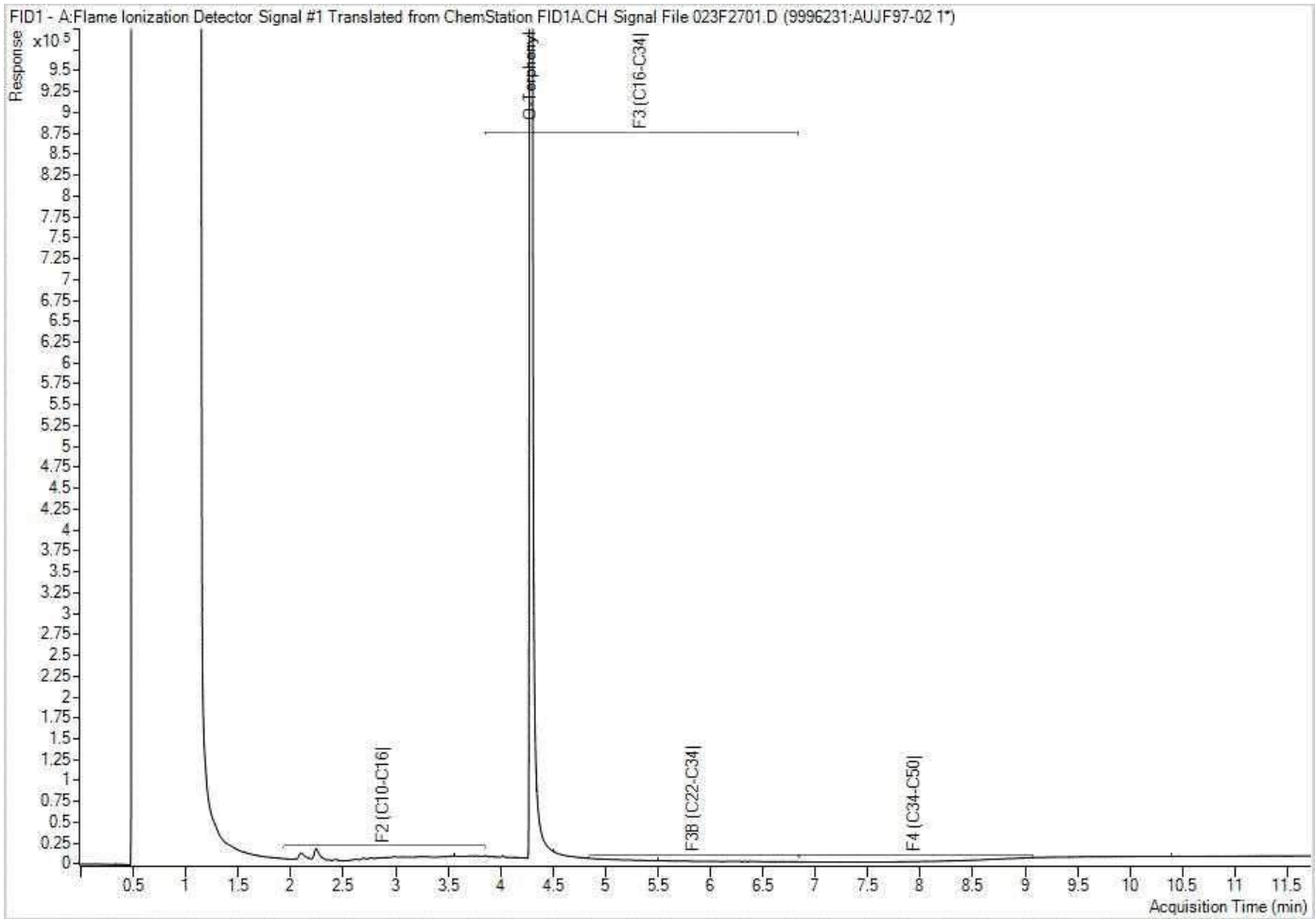
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



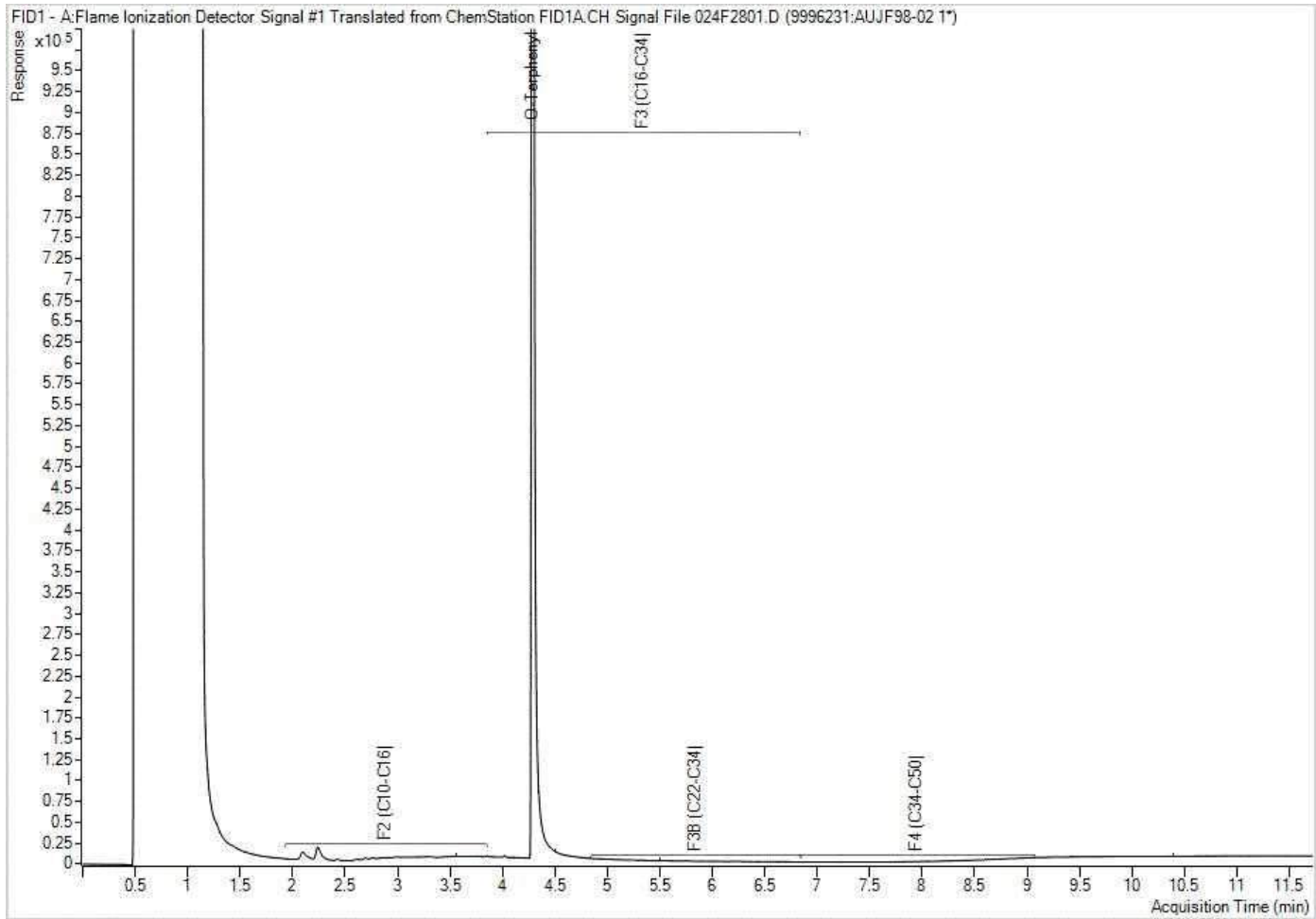
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



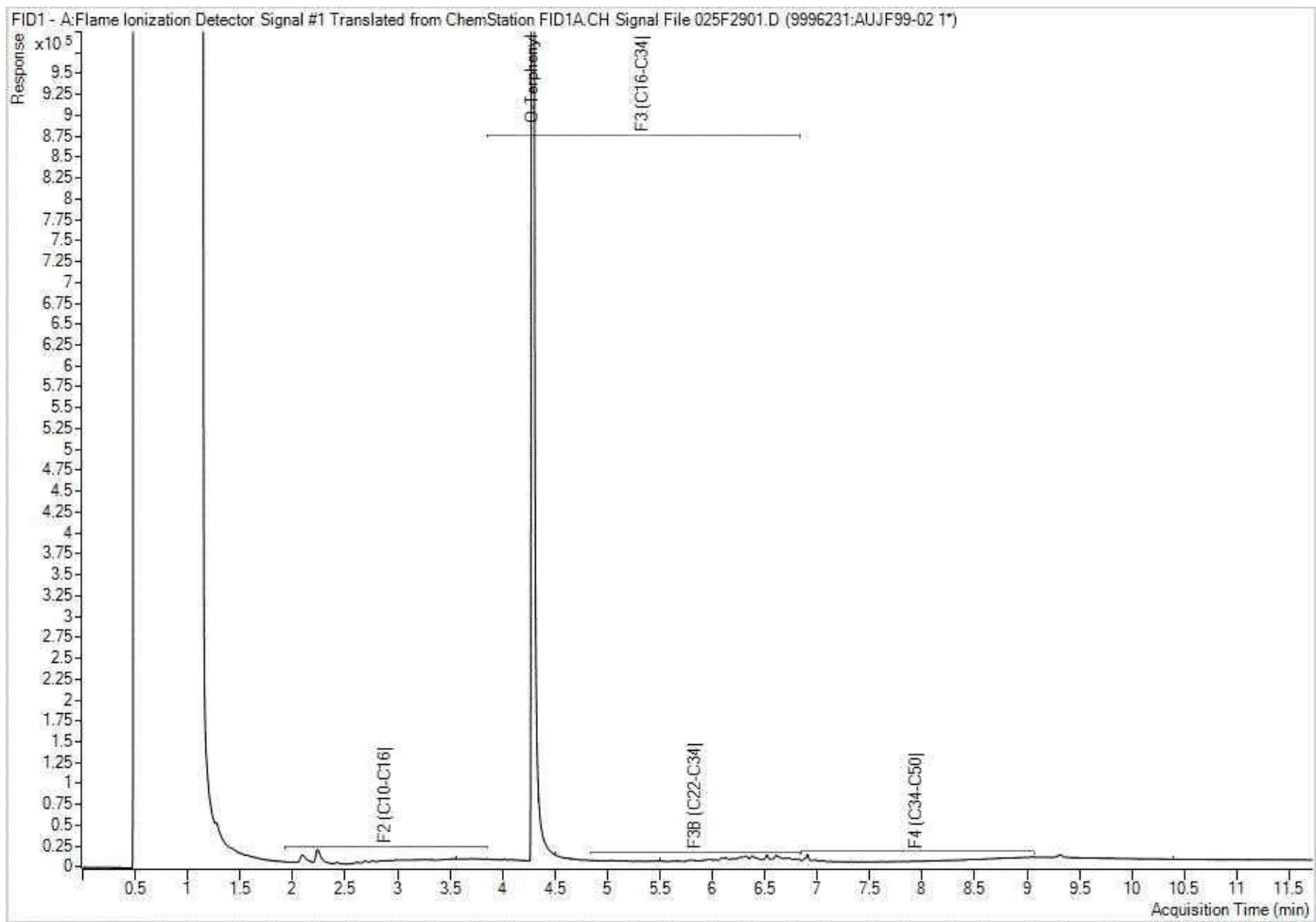
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



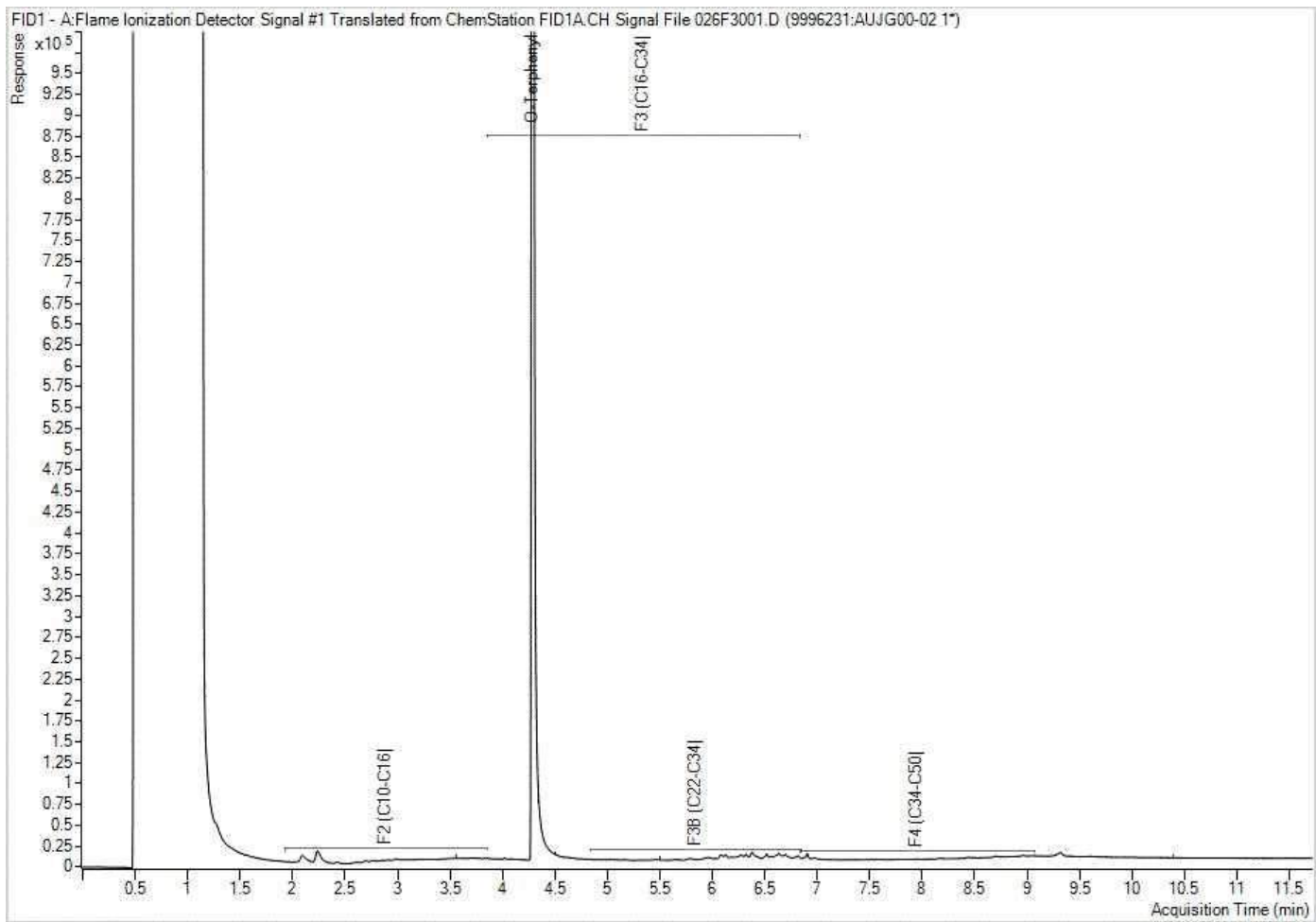
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



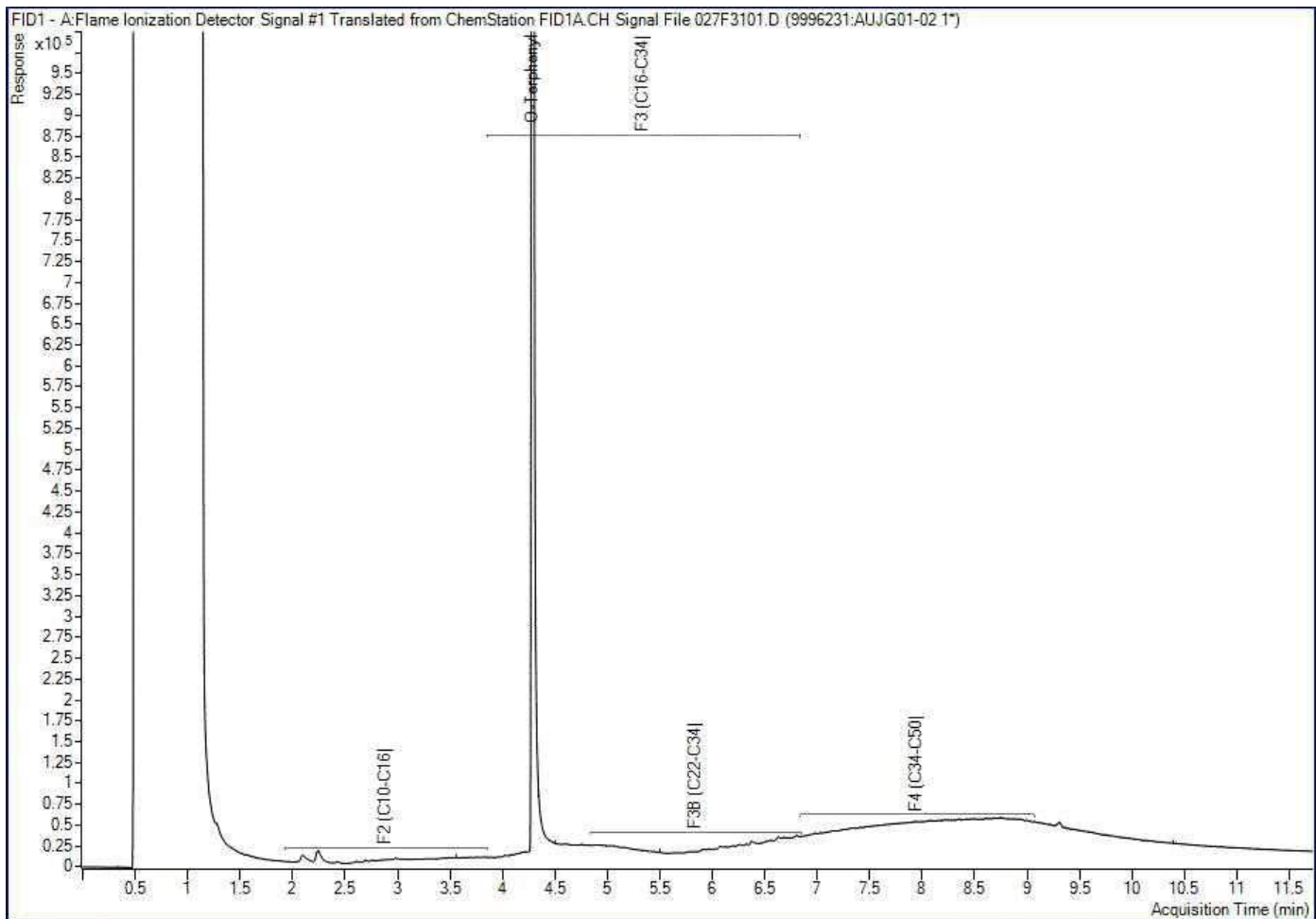
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



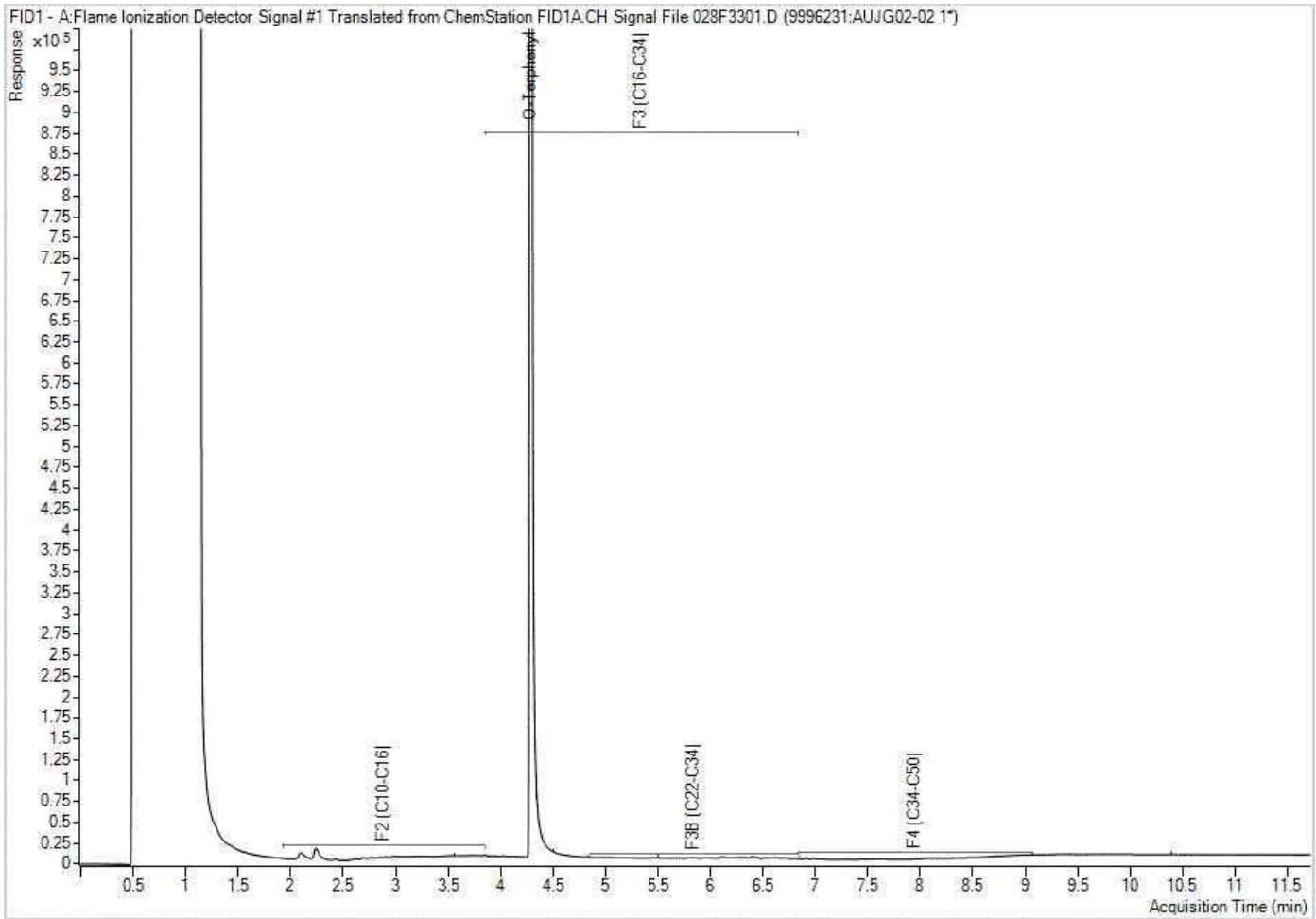
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



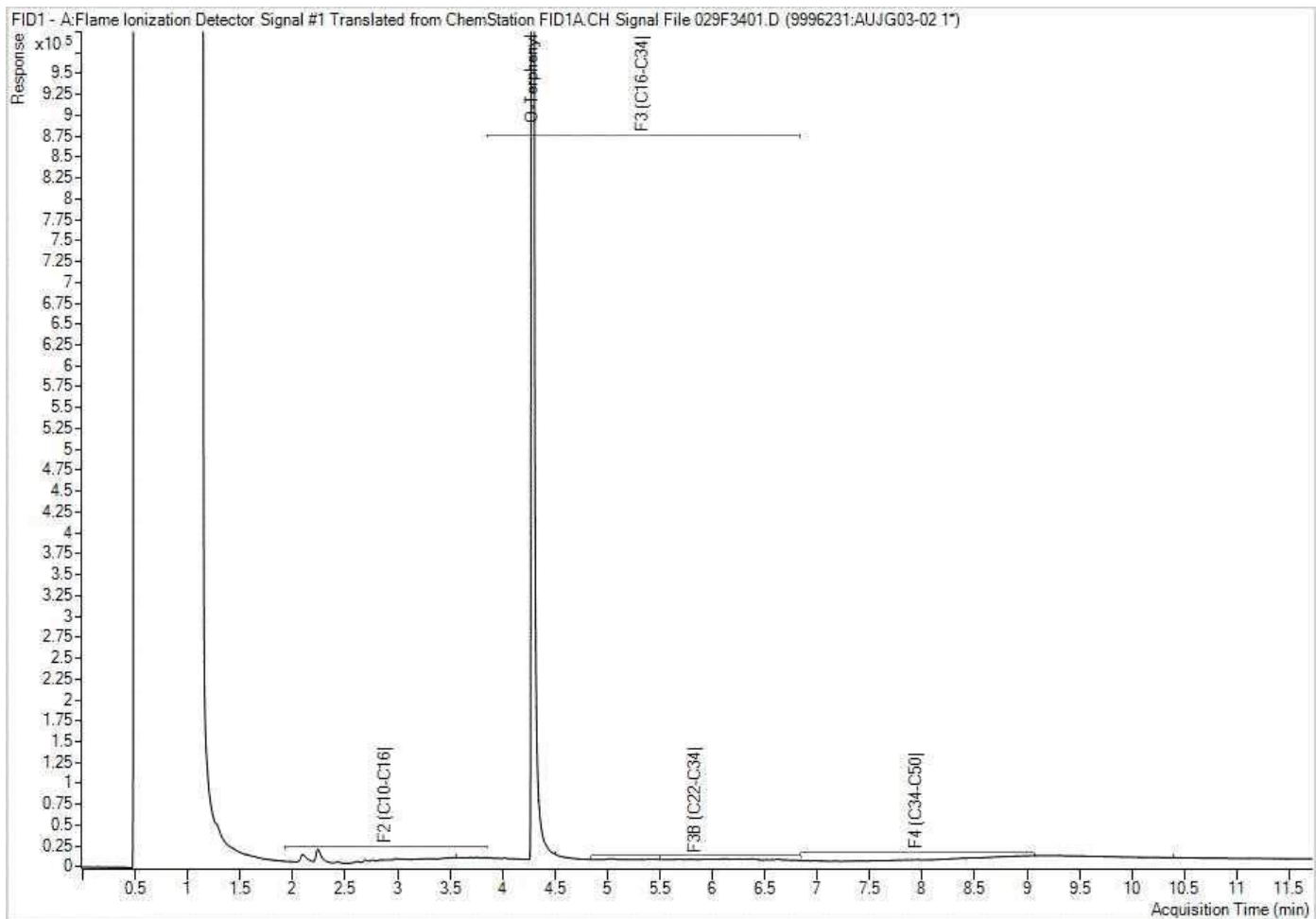
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



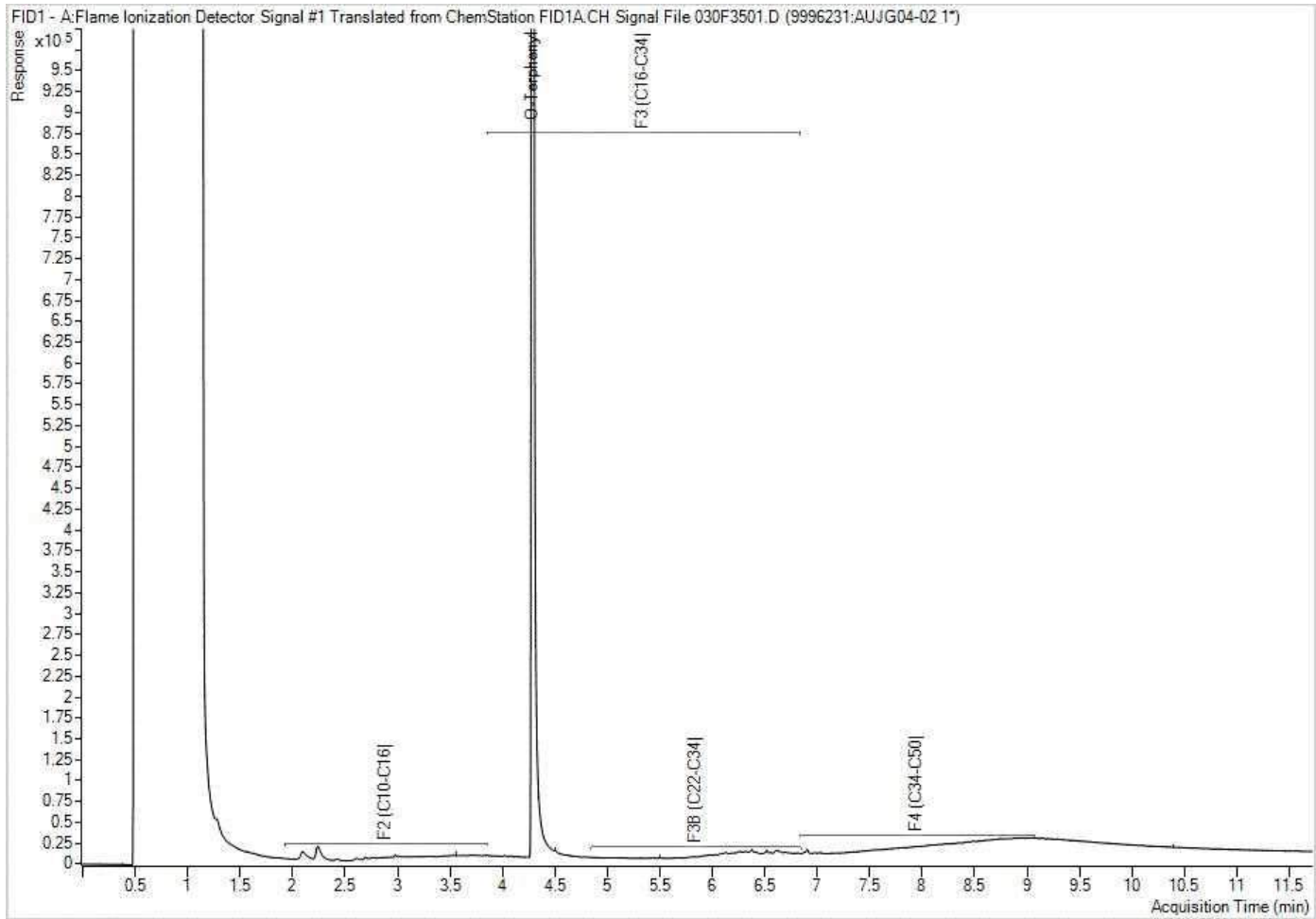
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



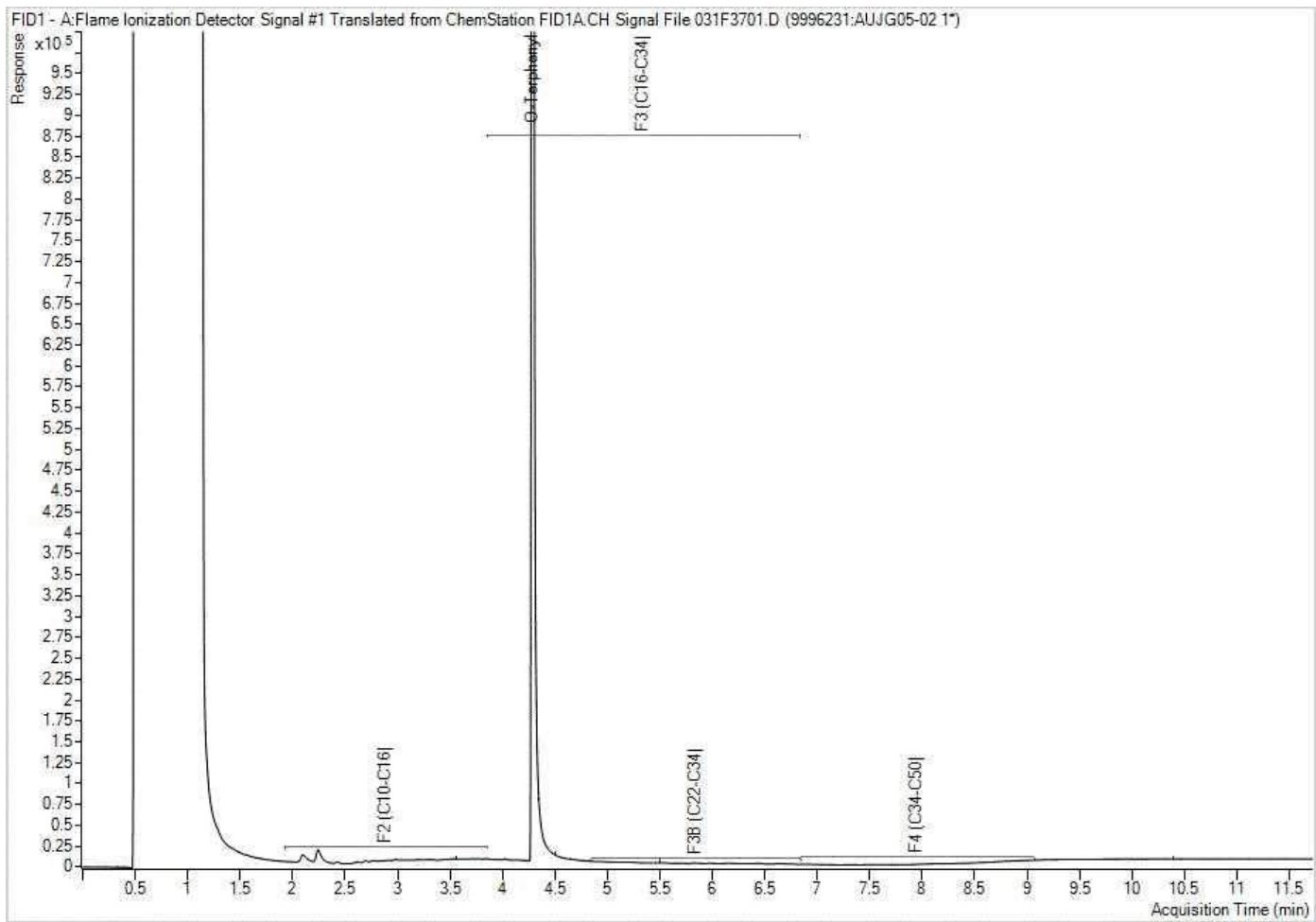
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.