



October 23, 2025

The Regional Municipality of Durham
605 Rossland Road East
Whitby, Ontario
L1N 6A3
Attention: Meaghan Macdonald

Via email: Meaghan.Macdonald@durham.ca

Re: Proposed Senior's Residence Redevelopment, 409 Centre Street South, Whitby, Ontario
Preliminary Due Diligence Excess Soil Characterization
Reference No. BRM-23007484-H0

1. Introduction

EXP Services Inc. (EXP) is pleased to present the soil analytical testing results from the property located at 409 Centre Street South, Whitby, Ontario ('Site' or 'Project Area'). It is understood the existing senior's residence at the site will be demolished and redeveloped; excess soil is anticipated to be generated from the planned basement excavation to a depth of approximately 4 m below ground surface (mbgs). The estimated volume of excess soil to be generated is approximately 2,700 m³.

Soil management and off-site export of soil for disposal or reuse should be conducted under the supervision of a Qualified Person for Environmental Site Assessment (QP_{ESA}) in accordance with O. Reg. 406/19 On-Site and Excess Soil Management, associated Excess Soil Rules and Reg. 347, as amended – General Waste Management.

2. Background

EXP has prepared a Phase One Environmental Site Assessment (ESA) at 409 Centre Street South, Whitby, Ontario, dated October 23, 2025.

Key findings of the Phase One ESA are summarized:

- At the time of this Phase One ESA, the Phase One Property was improved with a two (2) storey residential structure on the central portion of the property, with sixteen (16) residential units. The residential structure does not include a basement level. The property was owned by Durham Regional Housing Corporation and used as affordable housing by the Region of Durham.
- The remainder of the Site is occupied by landscaping and asphalt paved parking facilities. The asphalt paved parking area included ten (10) parking spots located on the eastern portion of the property accessible from Ontario Street West on the southeast portion of the property.

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- Based on the available historical information, the east portion of the Phase One Property was historically developed with a residential structure prior to mid-1930s and was redeveloped with the current residential building in the late 1960s.
- The Area of Potential Environmental Concern (APEC) identified was regarding the application of de-icing agents on Site paved surfaces for safety purposes. However, as per Section 49(1) of Ontario Regulation 153/04 (as amended), any soil and groundwater condition as a result of salt applications for vehicle and pedestrian safety are exempt under the Regulation and considered to have met Site Condition Standards. As such, this activity was not carried as an APEC for the purpose of the Phase One ESA.
- Based on the Phase One ESA findings, and conclusions reached, a Phase Two ESA (i.e. sampling and analysis) was not warranted at the time of the study.

Based on EXP's understanding of the Site, it is anticipated that the Project would be exempt from O. Reg. 406/19, s.8 based on the following assumptions:

- The Project Area is currently under residential land use;
- The Project Area has never been an enhanced investigation property (industrial use, auto servicing, gasoline fuel outlet or dry-cleaning facility); and,
- Remediation by excavation is not the purpose of the Project.

As such, the Project would not be required to file a Project Area notice on the Excess Soil Registry, prepare Excess Soil Planning Studies or implement a Soil Tracking System. However, the Project Leader is required to adhere to the remaining requirements under O. Reg 406/19, including ensuring that the quality of excess soil to be generated from the Project is of suitable quality for beneficial reuse at its intended destination site.

Therefore, it was determined that a preliminary due diligence chemical sampling program for future excess soil planning purposes would be appropriate. However, once final cut/fill volumes have been established, additional sampling and reporting may be required to meet the acceptance requirements of the intended destination site and/or for compliance with O. Reg 406/19.

3. Due Diligence Sampling Program

The due diligence sampling program was carried out in conjunction with a Geotechnical and Hydrogeological Investigations (presented under separate covers). A total of six (6) boreholes were advanced at the Site to a depth of approximately 7.6 to 15.3 m below ground surface (mbgs).

The stratigraphy as revealed by the boreholes was found to comprise of surficial topsoil or pavement structure underlain by fill overlying a native sandy silt till deposit. The fill stratum was found to generally consist of brown sandy silt with trace clay and gravel, extending to depths ranging of about 1.8 to 2.2 mbgs. The fill stratum extended to approximately 3.7 mbgs at BH-6.

Based on the information provided by the client, it is assumed that excess soil will be generated from the proposed building footprint to a depth of approximately 4 m below ground surface (mbgs), estimated to be approximately 2,700 m³. The proposed chemical testing program is prepared assuming a regulated sampling frequency of 1 sample per 200 m³ within the fill layer and a due diligence sampling frequency of 1 sample per 500 m³ for the remainder of the building footprint.

The testing program consisted of the analysis of twelve (12) samples (including one (1) field duplicate sample) for metals, hydride-forming metals, HWS-B, Cr VI, Hg, CN-, EC, SAR, benzene, toluene, ethyl benzene and xylene (BTEX), petroleum hydrocarbons (PHC) F1 to F4 to meet the minimum sampling parameter requirements, as outlined in O. Reg. 406/19. Six (6) fill samples (including one (1) field duplicate sample) were further analyzed for polycyclic aromatic hydrocarbons (PAHs). Additionally, five (5) fill samples were further analyzed for modified Synthetic Precipitation Leaching Procedure ('mSPLP') analysis for metals.

4. Analytical Results

For excess soil characterization purposes, the analytical results were compared to the following standards for the parameters analyzed:

- Table 1 Full Depth Background Excess Soil Quality Standards (ESQS) and Leachate Screening Levels (LSL) for residential/parkland/institutional/ industrial/commercial/community (RPIICC) property use; and,
- Tables 2.1 and 3.1 ESQS and LSL for residential/parkland/institutional (RPI) property use; and,
- Tables 2.1 and 3.1 ESQS and LSL for industrial/commercial/community (ICC) property use.

All the samples analyzed were found to have met the selected criteria, apart from the following:

Sample ID	Sample Depth (mbgs)	Sample Type	Parameters Exceeding Table 1 RPIICC ESQS/LSL	Parameters Exceeding Table 2.1 RPI ESQS/LSL	Parameters Exceeding Table 2.1 ICC ESQS/LSL	Parameters Exceeding Table 3.1 ICC ESQS/LSL
BH-1 SS2	0.76 – 1.37	Fill	SAR*			
BH-1 SS5	3.05 – 3.66	Native	SAR*, PHC F2	PHC F2		
BH-3 SS2	0.76 – 1.37	Fill	EC*, SAR*	EC*, SAR*		
BH-3 SS5	3.05 – 3.66	Native	PHC F2	PHC F2		
BH-4 SS3	1.52 – 2.13	Fill	EC*, SAR*	EC*, SAR*	SAR*	SAR*
BH-4 SS5	3.05 – 3.66	Native	EC*, SAR*	EC*, SAR*	SAR*	SAR*
BH-6 SS3	1.52 – 2.13	Fill	EC*, SAR*	EC*, SAR*	EC*, SAR*	EC*, SAR*
BH-6 SS5	3.05 – 3.66	Fill	EC*, SAR*	EC*, SAR*	EC*, SAR*	EC*, SAR*

Notes: * denotes parameter is deemed not to exceed standard as it is anticipated that the elevated levels are due to the placement of winter de-icing agents on the paved surface for vehicular and/or pedestrian safety.

The Certificate of Analysis is included in Appendix A.

5. Conclusions

Based on the analytical testing program carried out, the soil to be excavated from the proposed basement excavation would be considered suitable for beneficial reuse at receiving sites where Tables 2.1 or 3.1 Excess Soil Quality Standards (ESQS) for industrial/commercial/community (ICC) property use standards are applicable, provided that the material is placed in accordance with the Soil Rules for salt-impacted excess soil.

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Salt-impacted excess soils must be placed where it is reasonable to assume that the soils will continue to be exposed to the application of similar chemicals for pedestrian or vehicular safety, at an industrial or commercial property, or placed at least 1.5 m below the surface of the soil at a reuse site used for agricultural, other, community, parkland, institutional or residential use. Salt-impacted soil may be placed at depths less than 1.5 m below the surface of the soil at community, parkland, institutional, or residential properties, in accordance with a landscape plan prepared as described in subsection 5 (8) of O. Reg. 406/19 that meets requirements of Soil Rules Section D 1 (3) paragraph 3. Salt-impacted soil may be placed at depths less than 1.5 m below the surface of the soil at agricultural or other properties in areas that will not be vegetated, and only to achieve the necessary grade to construct a planned building, including a barn or greenhouse, or install a driveway or parking area. In addition, salt-impacted excess soils cannot be placed within 30 m of a waterbody, within 100 m of a potable well or with respect to an approved lot that may require a potable well, within 100 m of the planned water well location or if the location of the well is unknown, the centre of the lot, or within the upper 1.5 mbgs at a location that would be used for growing crops or as livestock pasture.

It is recommended that receiving site authorities conduct an independent review of the analytical results to confirm suitability of the soil for beneficial reuse at the specific receiving site. Additionally, in accordance with the Soil Rules, the owner or operator of the reuse site is required to provide formal written consent for the deposit of the excess soils at their reuse site prior to transport to avoid characterization of the material as waste.

We trust this letter meets your purposes. If you require further assistance, please do not hesitate to contact the undersigned.

Yours very truly,

EXP Services Inc.



Christina Kwok, B.Sc.
Geo-Environmental Scientist
Earth and Environment

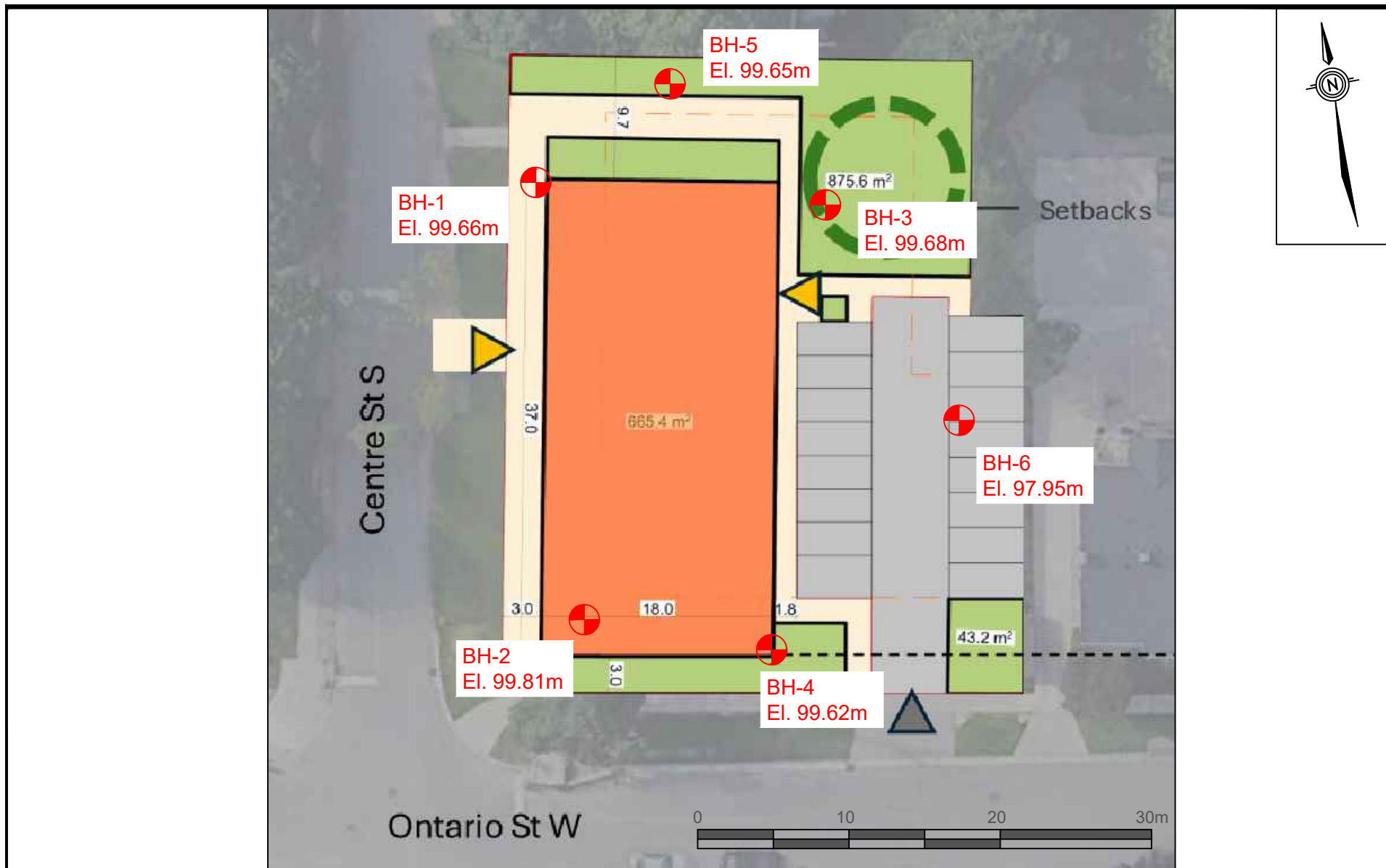


Stacy Meek, P.Eng., QP_{ESA}
Discipline Manager – Geo-Environmental
Earth and Environment

Enclosures: Figure: Borehole Location Plan
 Tables: Summary of Analytical Results
 Appendix A: Certificates of Analysis
 Appendix B: Borehole Logs

*Preliminary Due Diligence Excess Soil Characterization
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Figures



NOTES:

1. THE BOUNDARIES AND SOIL TYPES HAVE BEEN ESTABLISHED ONLY AT BOREHOLE LOCATIONS. BETWEEN BOREHOLES THEY ARE ASSUMED AND MAY BE SUBJECT TO CONSIDERABLE ERROR
2. SOIL SAMPLES WILL BE RETAINED IN STORAGE FOR 1 MONTH AND THEN DESTROYED UNLESS CLIENT ADVISES THAT AN EXTENDED TIME PERIOD IS REQUIRED.
3. THIS BACKGROUND PLAN WAS REPRODUCED FROM A PROPOSED SITE PLAN PROVIDED BY THE CLIENT
4. BOREHOLE ELEVATIONS SHOULD NOT BE USED FOR BUILDING GRADES.

LEGEND:



BOREHOLE LOCATION

EXP Services Inc.
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 220 COMMERCE VALLEY DR., SUITE 110
 MARKHAM, ON L3T 0A8
 Canada
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PROJECT TITLE AND LOCATION:
 GEOTECHNICAL INVESTIGATION
 PROPOSED DURHAM REGION SOCIAL HOUSING
 409 CENTRE STREET S, WHITBY, ONTARIO

DRAWING TITLE:
 BOREHOLE LOCATION PLAN

PROJECT#: BRM-23007484-H0	DWN.: ZP
SCALE: AS SPECIFIED	CHKD.: LC
DATE: MAY 2025	DWG. No.: 1

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Tables

Summary of Analytical Results:

Metals, Hydride-Forming Metals, and Other Regulated
Parameters

Sample ID/Parameter		Table 1 RPIICC	Table 2.1 RPI	Table 2.1 ICC	Table 3.1 ICC	BH-1 SS2 0.76- 1.37M	BH-1 SS5 3.05- 3.66M	BH-2 SS2 0.76- 1.37M	BH-2 SS2 0.76- 1.37M Lab-Dup	BH-2 SS5 3.05- 3.66M	BH-3 SS2 0.76- 1.37M	BH-3 SS5 3.05- 3.66M	BH-4 (DUP) SS3 1.52-2.13M	BH-4 SS3 1.52- 2.13M	BH-4 SS5 3.05- 3.66M	BH-5 SS5 3.05- 3.66M	BH-5 SS5 3.05- 3.66M Lab-Dup	BH-6 SS3 1.52- 2.13M	BH-6 SS5 3.05- 3.66M	BH-6 SS5 3.05- 3.66M Lab-Dup
BV Job ID / Lab ID						C549489 / AQMI66	C549489 / AQMI72	C549489 / AQMI67	C549489 / AQMI67	C549489 / AQMI73	C549489 / AQMI68	C549489 / AQMI74	C549489 / AQMI70	C549489 / AQMI69	C549489 / AQMI75	C549489 / AQMI76	C549489 / AQMI76	C549489 / AQMI71	C549489 / AQMI77	C549489 / AQMI77
Sample Collection Date (mm/dd/yyyy)						4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/28/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/28/2025	4/28/2025	4/28/2025
Sample Depth (mags)						0.76-1.37	3.05-3.66	0.76-1.37	0.76-1.37	3.05-3.66	0.76-1.37	3.05-3.66	1.52-2.13	1.52-2.13	3.05-3.66	3.05-3.66	3.05-3.66	1.52-2.13	3.05-3.66	3.05-3.66
Metals, Hydride-Forming Metals, and Other Regulated Parameters	Units	Criteria																		
Sodium Adsorption Ratio	-	2.4	5	12	12	3.8	4	0.32	-	0.34	8.8	2.4	8.2	13	13	2.3	-	55	25	-
Conductivity	mS/cm	0.57	0.7	1.4	1.4	0.22	0.21	0.11	-	0.096	0.89	0.36	0.83	1	1	0.19	-	5	4.4	-
pH	-	-	-	-	-	7.8	7.85	7.83	-	7.91	7.71	7.67	7.86	7.88	7.95	7.84	-	7.94	7.86	7.87
WAD Cyanide (Free)	µg/g	0.051	0.051	0.051	0.051	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Chromium (VI)	µg/g	0.66	8	8	8	<0.18	<0.18	<0.18	-	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	-
Hot Water Ext. Boron (B)	µg/g	NA	1.5	2	2	0.06	0.075	0.054	0.055	<0.050	0.18	0.058	0.13	0.087	0.056	<0.050	-	0.15	0.14	-
Acid Extractable Antimony (Sb)	µg/g	1.3	7.5	40	40	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	-
Acid Extractable Arsenic (As)	µg/g	18	18	18	18	2.4	1.2	2.1	-	<1.0	2.6	1.9	2.1	1.7	1.4	1.6	-	3.2	2.2	-
Acid Extractable Barium (Ba)	µg/g	220	390	670	670	48	19	38	-	22	83	35	30	40	30	77	-	54	22	-
Acid Extractable Beryllium (Be)	µg/g	2.5	4	8	8	0.28	<0.20	0.27	-	<0.20	0.51	<0.20	0.24	0.27	<0.20	0.29	-	0.3	0.2	-
Acid Extractable Boron (B)	µg/g	36	120	120	120	<5.0	<5.0	<5.0	-	<5.0	6	<5.0	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	-
Acid Extractable Cadmium (Cd)	µg/g	1.2	1.2	1.9	1.9	<0.10	<0.10	<0.10	-	<0.10	0.14	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	-
Acid Extractable Chromium (Cr)	µg/g	70	160	160	160	11	6.1	9.9	-	10	19	37	9.6	11	7.4	11	-	12	7.5	-
Acid Extractable Cobalt (Co)	µg/g	21	22	80	80	8.1	3.6	5.6	-	3.7	6.4	8.8	4.6	4.5	3.9	6	-	4.3	4.6	-
Acid Extractable Copper (Cu)	µg/g	92	140	230	230	15	6.4	11	-	5.4	15	17	10	9.8	6.6	9.2	-	8	10	-
Acid Extractable Lead (Pb)	µg/g	120	120	120	120	9.1	4.5	7.9	-	3.2	31	4.9	8.5	7.2	4.9	5.5	-	4.2	7.6	-
Acid Extractable Molybdenum (Mo)	µg/g	2	6.9	40	40	0.59	<0.50	0.54	-	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	<0.50	<0.50	-
Acid Extractable Nickel (Ni)	µg/g	82	100	270	270	18	9.3	14	-	6.9	14	20	11	12	9.7	12	-	8.4	12	-
Acid Extractable Selenium (Se)	µg/g	1.5	2.4	5.5	5.5	<0.50	<0.50	<0.50	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	<0.50	<0.50	-
Acid Extractable Silver (Ag)	µg/g	0.5	20	40	40	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	-
Acid Extractable Thallium (Tl)	µg/g	1	1	3.3	3.3	0.27	0.15	0.21	-	0.06	0.16	0.18	0.13	0.17	0.12	0.18	-	0.061	0.21	-
Acid Extractable Uranium (U)	µg/g	2.5	23	33	33	0.59	0.32	0.59	-	0.43	0.51	0.54	0.49	0.56	0.47	0.48	-	0.43	0.52	-
Acid Extractable Vanadium (V)	µg/g	86	86	86	86	25	11	19	-	16	29	44	17	19	16	21	-	20	16	-
Acid Extractable Zinc (Zn)	µg/g	290	340	340	340	32	13	31	-	16	56	33	26	27	17	31	-	29	21	-
Acid Extractable Mercury (Hg)	µg/g	0.27	0.27	0.27	0.27	<0.050	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-

NOTES:

- 1) All concentrations in µg/g (unless otherwise stated)
- 2). Table 1 RPIICC refers to O.Reg. 406/19 Table 1: Full Depth Background Site Condition Standards for Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use
Table 2.1 RPI refers to O.Reg. 406/19 Table 2.1: Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Residential/Parkland/Institutional Property Use
Table 2.1 ICC refers to O.Reg. 406/19 Table 2.1: Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use
Table 3.1 ICC refers to O.Reg. 406/19 Table 3.1: Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition for Industrial/Commercial/Community Property Use

- 3) Refer to Certificate of Analysis for full results

- 4) Detected concentration meeting Table 1 RPIICC ESQS:

Detected concentration exceeding Table 1 RPIICC ESQS, but meeting Table 2.1 RPI ESQS:

Detected concentration exceeding Table 2.1 RPI ESQS, but meeting Table 2.1 ICC ESQS:

Detected concentration exceeding Table 2.1 ICC ESQS, but meeting Table 3.1 ICC ESQS:

Detected concentration exceeding Table 3.1 ICC ESQS:

RDL exceeding Table 1 RPIICC ESQS:

pH out of range for surface soil, but within acceptable range for subsurface soil:

pH out of range for surface soil and subsurface soil:

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5

Summary of Analytical Results:
Polycyclic Aromatic Hydrocarbons (PAHs)

Sample ID/Parameter		Table 1 RPIICC	Table 2.1 RPI	Table 2.1 ICC	Table 3.1 ICC	BH-1 SS2 0.76- 1.37M	BH-1 SS5 3.05- 3.66M	BH-2 SS2 0.76- 1.37M	BH-2 SS2 0.76- 1.37M Lab-Dup	BH-2 SS5 3.05- 3.66M	BH-3 SS2 0.76- 1.37M	BH-3 SS5 3.05- 3.66M	BH-4 (DUP) SS3 1.52-2.13M	BH-4 SS3 1.52- 2.13M	BH-4 SS5 3.05- 3.66M	BH-5 SS5 3.05- 3.66M
BV Job ID / Lab ID						C549489 / AQMI66	C549489 / AQMI72	C549489 / AQMI67	C549489 / AQMI67	C549489 / AQMI73	C549489 / AQMI68	C549489 / AQMI74	C549489 / AQMI70	C549489 / AQMI69	C549489 / AQMI75	C549489 / AQMI76
Sample Collection Date (mm/dd/yyyy)						4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/28/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025
Sample Depth (mags)						0.76-1.37	3.05-3.66	0.76-1.37	0.76-1.37	3.05-3.66	0.76-1.37	3.05-3.66	1.52-2.13	1.52-2.13	3.05-3.66	3.05-3.66
PAHs	Units	Criteria														
Methylnaphthalene, 2-(1-)	µg/g	0.59	0.59	0.59	8.7	<0.0071	-	<0.0071	-	-	<0.0071	-	<0.0071	<0.0071	-	-
Acenaphthene	µg/g	0.072	2.5	2.5	15	<0.0050	-	<0.0050	-	-	<0.0050	-	<0.0050	<0.0050	-	-
Acenaphthylene	µg/g	0.093	0.093	0.093	0.093	<0.0050	-	<0.0050	-	-	<0.0050	-	<0.0050	<0.0050	-	-
Anthracene	µg/g	0.16	0.16	0.16	0.16	<0.0050	-	<0.0050	-	-	<0.0050	-	<0.0050	<0.0050	-	-
Benzo(a)anthracene	µg/g	0.36	0.5	0.92	1	<0.0050	-	<0.0050	-	-	<0.0050	-	<0.0050	<0.0050	-	-
Benzo(a)pyrene	µg/g	0.3	0.31	0.31	0.7	<0.0050	-	<0.0050	-	-	<0.0050	-	<0.0050	<0.0050	-	-
Benzo(b/j)fluoranthene	µg/g	0.47	3.2	3.2	7	<0.0050	-	<0.0050	-	-	<0.0050	-	0.0063	<0.0050	-	-
Benzo(g,h,i)perylene	µg/g	0.68	6.6	13	13	<0.0050	-	<0.0050	-	-	<0.0050	-	<0.0050	<0.0050	-	-
Benzo(k)fluoranthene	µg/g	0.48	3.1	3.1	7	<0.0050	-	<0.0050	-	-	<0.0050	-	<0.0050	<0.0050	-	-
Chrysene	µg/g	2.8	7	9.4	14	<0.0050	-	<0.0050	-	-	<0.0050	-	0.0055	<0.0050	-	-
Dibenzo(a,h)anthracene	µg/g	0.1	0.57	0.7	0.7	<0.0050	-	<0.0050	-	-	<0.0050	-	<0.0050	<0.0050	-	-
Fluoranthene	µg/g	0.56	0.69	2.8	70	<0.0050	-	<0.0050	-	-	0.0063	-	0.0086	<0.0050	-	-
Fluorene	µg/g	0.12	6.8	6.8	6.8	<0.0050	-	<0.0050	-	-	<0.0050	-	<0.0050	<0.0050	-	-
Indeno(1,2,3-cd)pyrene	µg/g	0.23	0.38	0.76	0.76	<0.0050	-	<0.0050	-	-	<0.0050	-	<0.0050	<0.0050	-	-
Naphthalene	µg/g	0.09	0.2	0.2	1.8	<0.0050	-	<0.0050	-	-	<0.0050	-	<0.0050	<0.0050	-	-
Phenanthrene	µg/g	0.69	6.2	12	12	<0.0050	-	<0.0050	-	-	<0.0050	-	0.0064	<0.0050	-	-
Pyrene	µg/g	1	28	28	70	<0.0050	-	<0.0050	-	-	0.0056	-	0.0077	<0.0050	-	-

- NOTES:
- 1) All concentrations in µg/g (unless otherwise stated)
- 2). Table 1 RPIICC refers to O.Reg. 406/19 Table 1: Full Depth Background Site Condition Standards for Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use
Table 2.1 RPI refers to O.Reg. 406/19 Table 2.1: Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Residential/Parkland/Institutional Property Use
Table 2.1 ICC refers to O.Reg. 406/19 Table 2.1: Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use
Table 3.1 ICC refers to O.Reg. 406/19 Table 3.1: Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition for Industrial/Commercial/Community Property Use
- 3) Refer to Certificate of Analysis for full results
- 4) Detected concentration meeting Table 1 RPIICC ESQS:
- Detected concentration exceeding Table 1 RPIICC ESQS, but meeting Table 2.1 RPI ESQS:
- Detected concentration exceeding Table 2.1 RPI ESQS, but meeting Table 2.1 ICC ESQS:
- Detected concentration exceeding Table 2.1 ICC ESQS, but meeting Table 3.1 ICC ESQS:
- Detected concentration exceeding Table 3.1 ICC ESQS:
- RDL exceeding Table 1 RPIICC ESQS:

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Summary of Analytical Results:
Polycyclic Aromatic Hydrocarbons (PAHs)

Sample ID/Parameter		Table 1 RPIICC	Table 2.1 RPI	Table 2.1 ICC	Table 3.1 ICC	BH-5 SS5 3.05- 3.66M Lab-Dup	BH-6 SS3 1.52- 2.13M	BH-6 SS5 3.05- 3.66M	BH-6 SS5 3.05- 3.66M Lab-Dup
BV Job ID / Lab ID						C549489 / AQMI76	C549489 / AQMI71	C549489 / AQMI77	C549489 / AQMI77
Sample Collection Date (mm/dd/yyyy)						4/29/2025	4/28/2025	4/28/2025	4/28/2025
Sample Depth (mags)						3.05-3.66	1.52-2.13	3.05-3.66	3.05-3.66
PAHs	Units	Criteria							
Methylnaphthalene, 2-(1-)	µg/g	0.59	0.59	0.59	8.7	-	<0.0071	-	-
Acenaphthene	µg/g	0.072	2.5	2.5	15	-	<0.0050	-	-
Acenaphthylene	µg/g	0.093	0.093	0.093	0.093	-	<0.0050	-	-
Anthracene	µg/g	0.16	0.16	0.16	0.16	-	<0.0050	-	-
Benzo(a)anthracene	µg/g	0.36	0.5	0.92	1	-	<0.0050	-	-
Benzo(a)pyrene	µg/g	0.3	0.31	0.31	0.7	-	<0.0050	-	-
Benzo(b/j)fluoranthene	µg/g	0.47	3.2	3.2	7	-	<0.0050	-	-
Benzo(g,h,i)perylene	µg/g	0.68	6.6	13	13	-	<0.0050	-	-
Benzo(k)fluoranthene	µg/g	0.48	3.1	3.1	7	-	<0.0050	-	-
Chrysene	µg/g	2.8	7	9.4	14	-	<0.0050	-	-
Dibenzo(a,h)anthracene	µg/g	0.1	0.57	0.7	0.7	-	<0.0050	-	-
Fluoranthene	µg/g	0.56	0.69	2.8	70	-	<0.0050	-	-
Fluorene	µg/g	0.12	6.8	6.8	6.8	-	<0.0050	-	-
Indeno(1,2,3-cd)pyrene	µg/g	0.23	0.38	0.76	0.76	-	<0.0050	-	-
Naphthalene	µg/g	0.09	0.2	0.2	1.8	-	<0.0050	-	-
Phenanthrene	µg/g	0.69	6.2	12	12	-	<0.0050	-	-
Pyrene	µg/g	1	28	28	70	-	<0.0050	-	-

NOTES:

- 1) All concentrations in µg/g (unless otherwise stated)
- 2) Table 1 RPIICC refers to O.Reg. 406/19 Table 1: Full Depth Background Site Condition Standards for Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use
Table 2.1 RPI refers to O.Reg. 406/19 Table 2.1: Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Residential/Parkland/Institutional Property Use
Table 2.1 ICC refers to O.Reg. 406/19 Table 2.1: Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use
Table 3.1 ICC refers to O.Reg. 406/19 Table 3.1: Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition for Industrial/Commercial/Community Property Use
- 3) Refer to Certificate of Analysis for full results
- 4) Detected concentration meeting Table 1 RPIICC ESQS:

Detected concentration exceeding Table 1 RPIICC ESQS, but meeting Table 2.1 RPI ESQS:

Detected concentration exceeding Table 2.1 RPI ESQS, but meeting Table 2.1 ICC ESQS:

Detected concentration exceeding Table 2.1 ICC ESQS, but meeting Table 3.1 ICC ESQS:

Detected concentration exceeding Table 3.1 ICC ESQS:

RDL exceeding Table 1 RPIICC ESQS:

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BRM-23007484-H0
409 Centre St S, Whitby, ON

Summary of Analytical Results:
Petroleum Hydrocarbons (PHCs), Benzene, Toluene,
Ethylbenzene and Xylenes (BTEX) and Volatile Organic
Compounds (VOCs)

Sample ID/Parameter		Table 1 RPIICC	Table 2.1 RPI	Table 2.1 ICC	Table 3.1 ICC	BH-1 SS2 0.76- 1.37M	BH-1 SS5 3.05- 3.66M	BH-2 SS2 0.76- 1.37M	BH-2 SS2 0.76- 1.37M Lab-Dup	BH-2 SS5 3.05- 3.66M	BH-3 SS2 0.76- 1.37M	BH-3 SS5 3.05- 3.66M	BH-4 (DUP) SS3 1.52-2.13M	BH-4 SS3 1.52- 2.13M	BH-4 SS5 3.05- 3.66M	BH-5 SS5 3.05- 3.66M
BV Job ID / Lab ID						C549489 / AQMI66	C549489 / AQMI72	C549489 / AQMI67	C549489 / AQMI67	C549489 / AQMI73	C549489 / AQMI68	C549489 / AQMI74	C549489 / AQMI70	C549489 / AQMI69	C549489 / AQMI75	C549489 / AQMI76
Sample Collection Date (mm/dd/yyyy)						4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/28/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025
Sample Depth (mags)						0.76-1.37	3.05-3.66	0.76-1.37	0.76-1.37	3.05-3.66	0.76-1.37	3.05-3.66	1.52-2.13	1.52-2.13	3.05-3.66	3.05-3.66
PHCs and BTEX	Units	Criteria														
Benzene	µg/g	0.02	0.02	0.02	0.034	<0.020	<0.020	<0.020	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Toluene	µg/g	0.2	0.2	0.2	7.8	<0.020	<0.020	<0.020	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Ethylbenzene	µg/g	0.05	0.05	0.05	1.9	<0.020	<0.020	<0.020	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
m & p-Xylene	µg/g	-	-	-	-	<0.040	<0.040	<0.040	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
o-Xylene	µg/g	-	-	-	-	<0.020	<0.020	<0.020	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Xylenes	µg/g	0.05	0.091	0.091	3	<0.040	<0.040	<0.040	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
F1 (C6-C10) - BTEX	µg/g	25	25	25	25	<10	<10	<10	-	<10	<10	<10	<10	<10	<10	<10
F2 (C10-C16 Hydrocarbons)	µg/g	10	10	26	26	<7.0	16	<7.0	-	<7.0	<7.0	16	<7.0	<7.0	8.5	<7.0
F3 (C16-C34 Hydrocarbons)	µg/g	240	240	240	1700	<50	61	<50	-	<50	<50	76	<50	<50	<50	<50
F4 (C34-C50 Hydrocarbons)	µg/g	120	2800	3300	3300	<50	<50	<50	-	<50	<50	<50	<50	<50	<50	<50
F4 Gravimetric	µg/g	120	2800	3300	3300	-	-	-	-	-	-	-	-	-	-	-

NOTES:

- 1) All concentrations in µg/g (unless otherwise stated)
- 2) Table 1 RPIICC refers O.Reg. 406/19 Table 1: Full Depth Background Site Condition Standards for Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use
Table 2.1 RPI refers to O.Reg. 406/19 Table 2.1: Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Residential/Parkland/Institutional Property Use
Table 2.1 ICC refers to O.Reg. 406/19 Table 2.1: Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use
Table 3.1 ICC refers to O.Reg. 406/19 Table 3.1: Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition for Industrial/Commercial/Community Property Use
- 3) Refer to Certificate of Analysis for full results
- 4) Detected concentration meeting Table 1 RPIICC ESQS:

Detected concentration exceeding Table 1 RPIICC ESQS, but meeting Table 2.1 RPI ESQS:

Detected concentration exceeding Table 2.1 RPI ESQS, but meeting Table 2.1 ICC ESQS:

Detected concentration exceeding Table 2.1 ICC ESQS, but meeting Table 3.1 ICC ESQS:

Detected concentration exceeding Table 3.1 ICC ESQS:

RDL exceeding Table 1 RPIICC ESQS:

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409 Centre St S, Whitby, ON

Summary of Analytical Results:
Petroleum Hydrocarbons (PHCs), Benzene, Toluene,
Ethylbenzene and Xylenes (BTEX) and Volatile Organic
Compounds (VOCs)

Sample ID/Parameter		Table 1 RPIICC	Table 2.1 RPI	Table 2.1 ICC	Table 3.1 ICC	BH-5 SS5 3.05- 3.66M Lab-Dup	BH-6 SS3 1.52- 2.13M	BH-6 SS5 3.05- 3.66M	BH-6 SS5 3.05- 3.66M Lab-Dup
BV Job ID / Lab ID						C549489 / AQMI76	C549489 / AQMI71	C549489 / AQMI77	C549489 / AQMI77
Sample Collection Date (mm/dd/yyyy)						4/29/2025	4/28/2025	4/28/2025	4/28/2025
Sample Depth (mags)						3.05-3.66	1.52-2.13	3.05-3.66	3.05-3.66
PHCs and BTEX	Units	Criteria							
Benzene	µg/g	0.02	0.02	0.02	0.034	-	<0.020	<0.020	-
Toluene	µg/g	0.2	0.2	0.2	7.8	-	<0.020	<0.020	-
Ethylbenzene	µg/g	0.05	0.05	0.05	1.9	-	<0.020	<0.020	-
m & p-Xylene	µg/g	-	-	-	-	-	<0.040	<0.040	-
o-Xylene	µg/g	-	-	-	-	-	<0.020	<0.020	-
Total Xylenes	µg/g	0.05	0.091	0.091	3	-	<0.040	<0.040	-
F1 (C6-C10) - BTEX	µg/g	25	25	25	25	-	<10	<10	-
F2 (C10-C16 Hydrocarbons)	µg/g	10	10	26	26	-	<7.0	<7.0	-
F3 (C16-C34 Hydrocarbons)	µg/g	240	240	240	1700	-	<50	<50	-
F4 (C34-C50 Hydrocarbons)	µg/g	120	2800	3300	3300	-	<50	<50	-
F4 Gravimetric	µg/g	120	2800	3300	3300	-	-	-	-

NOTES:

- 1) All concentrations in µg/g (unless otherwise stated)
- 2) Table 1 RPIICC refers to O.Reg. 406/19 Table 1: Full Depth Background Site Condition Standards for Residential / Parkland / Institutional / Industrial / Commercial / Community Property Use
Table 2.1 RPI refers to O.Reg. 406/19 Table 2.1: Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Residential/Parkland/Institutional Property Use
Table 2.1 ICC refers to O.Reg. 406/19 Table 2.1: Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use
Table 3.1 ICC refers to O.Reg. 406/19 Table 3.1: Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition for Industrial/Commercial/Community Property Use

3) Refer to Certificate of Analysis for full results

4) Detected concentration meeting Table 1 RPIICC ESQS:

Detected concentration exceeding Table 1 RPIICC ESQS, but meeting Table 2.1 RPI ESQS:

Detected concentration exceeding Table 2.1 RPI ESQS, but meeting Table 2.1 ICC ESQS:

Detected concentration exceeding Table 2.1 ICC ESQS, but meeting Table 3.1 ICC ESQS:

Detected concentration exceeding Table 3.1 ICC ESQS:

RDL exceeding Table 1 RPIICC ESQS:

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Summary of Analytical Results:

Leachate Analyses

Sample ID/Parameter		Table 1 RPIICC	BH-1 SS2 0.76-1.37M	BH-1 SS5 3.05-3.66M	BH-2 SS2 0.76-1.37M	BH-2 SS2 0.76-1.37M	BH-2 SS5 3.05-3.66M	BH-3 SS2 0.76-1.37M	BH-3 SS5 3.05-3.66M	BH-4 (DUP) SS3 1.52- 1.52-2.13M	BH-4 SS3 1.52-2.13M	BH-4 SS5 3.05-3.66M	BH-5 SS5 3.05-3.66M	BH-5 SS5 3.05-3.66M	BH-5 SS5 3.05-3.66M	BH-6 SS3 1.52-2.13M	BH-6 SS5 3.05-3.66M	BH-6 SS5 3.05-3.66M
BV Job ID / Lab ID			C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /
Sample Collection Date (mm/dd/yyyy)			4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/28/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/28/2025	4/28/2025	4/28/2025
Sample Depth (mags)			0.76-1.37	3.05-3.66	0.76-1.37	0.76-1.37	3.05-3.66	0.76-1.37	3.05-3.66	1.52-2.13	1.52-2.13	3.05-3.66	3.05-3.66	3.05-3.66	3.05-3.66	1.52-2.13	3.05-3.66	3.05-3.66
Leachate Metals	Units	Criteria																
Leachable Antimony (Sb)	µg/L	-	<0.5	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	-	-	<0.5	-	-
Leachable Arsenic (As)	µg/L	-	<1	-	<1	-	-	3	-	-	<1	-	-	-	-	<1	-	-
Leachable Barium (Ba)	µg/L	-	<5	-	<5	-	-	39	-	-	<5	-	-	-	-	<5	-	-
Leachable Beryllium (Be)	µg/L	-	<0.5	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	-	-	<0.5	-	-
Leachable Boron (B)	µg/L	-	<10	-	<10	-	-	<10	-	-	<10	-	-	-	-	<10	-	-
Leachable Cadmium (Cd)	µg/L	-	<0.1	-	<0.1	-	-	<0.1	-	-	<0.1	-	-	-	-	<0.1	-	-
Leachable Chromium (Cr)	µg/L	-	<5	-	<5	-	-	5	-	-	<5	-	-	-	-	<5	-	-
Leachable Cobalt (Co)	µg/L	-	<0.5	-	<0.5	-	-	1.1	-	-	<0.5	-	-	-	-	<0.5	-	-
Leachable Copper (Cu)	µg/L	-	<1	-	<1	-	-	8	-	-	1	-	-	-	-	<1	-	-
Leachable Lead (Pb)	µg/L	-	<0.5	-	<0.5	-	-	3.6	-	-	<0.5	-	-	-	-	<0.5	-	-
Leachable Molybdenum (Mo)	µg/L	23	<1	-	<1	-	-	2	-	-	<1	-	-	-	-	1	-	-
Leachable Nickel (Ni)	µg/L	-	<1	-	<1	-	-	4	-	-	<1	-	-	-	-	<1	-	-
Leachable Selenium (Se)	µg/L	-	<2	-	<2	-	-	<2	-	-	<2	-	-	-	-	<2	-	-
Leachable Silver (Ag)	µg/L	0.3	<0.1	-	<0.1	-	-	<0.1	-	-	<0.1	-	-	-	-	<0.1	-	-
Leachable Thallium (Tl)	µg/L	2	<0.05	-	<0.05	-	-	0.06	-	-	<0.05	-	-	-	-	<0.05	-	-
Leachable Uranium (U)	µg/L	-	<0.1	-	<0.1	-	-	0.3	-	-	<0.1	-	-	-	-	<0.1	-	-
Leachable Vanadium (V)	µg/L	-	<1	-	<1	-	-	13	-	-	2	-	-	-	-	2	-	-
Leachable Zinc (Zn)	µg/L	-	<5	-	<5	-	-	16	-	-	<5	-	-	-	-	<5	-	-
Leachate VOCs		Criteria																
Leachable Bromomethane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Carbon Tetrachloride	µg/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Chloroform	µg/L	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,2-Dichlorobenzene	µg/L	0.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,4-Dichlorobenzene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1-Dichloroethane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,2-Dichloroethane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1-Dichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable cis-1,2-Dichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable trans-1,2-Dichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,2-Dichloropropane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable cis-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable trans-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,3-Dichloropropene (cis+trans)	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Ethylene Dibromide	µg/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1,1,2-Tetrachloroethane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1,2,2-Tetrachloroethane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Tetrachloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1,2-Trichloroethane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Trichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachate OCPs	Units	Criteria																
Leachable Dieldrin	µg/L	0.095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Endrin	µg/L	0.061	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Heptachlor	µg/L	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Heptachlor epoxide	µg/L	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachate ABNs/CPs	Units	Criteria																
Leachable (SPLP) Bis(2-chloroethyl)ether	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) Bis(2-chloroisopropyl)ether	µg/L	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) p-Chloroaniline	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 3,3'-Dichlorobenzidine	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) Diethyl phthalate	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) Dimethyl phthalate	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4-Dinitrophenol	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4-Dinitrotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4- & 2,6-Dinitrotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4,6-Trichlorophenol	µg/L	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:

1) All concentrations in µg/L (unless otherwise stated)

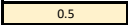
2) 'Table 1 - RPIICC' refers to O.Reg. 406/19 Table 1: Leachate Screening Levels for Excess Soil Reuse for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

3) Detected concentration above LSL shown as:



4) Refer to Certificate of Analysis for full results

5) RDL above LSL shown as :



6) LSL deemed to meet standard, as bulk concentration < T1 RPIICC ESQS and T1 RPIICC ESQS is based on background and not the reporting limit.



Summary of Analytical Results:

Leachate Analyses

Sample ID/Parameter		Table 2.1 RPI	BH-1 SS2 0.76-1.37M	BH-1 SS5 3.05-3.66M	BH-2 SS2 0.76-1.37M	BH-2 SS2 0.76-1.37M	BH-2 SS5 3.05-3.66M	BH-3 SS2 0.76-1.37M	BH-3 SS5 3.05-3.66M	BH-4 (DUP) SS3 1.52- 1.52-2.13M	BH-4 SS3 1.52-2.13M	BH-4 SS5 3.05-3.66M	BH-5 SS5 3.05-3.66M	BH-5 SS5 3.05-3.66M	BH-6 SS3 1.52-2.13M	BH-6 SS5 3.05-3.66M	BH-6 SS5 3.05-3.66M
BV Job ID / Lab ID			C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /
Sample Collection Date (mm/dd/yyyy)			4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/28/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/28/2025	4/28/2025	4/28/2025
Sample Depth (mags)			0.76-1.37	3.05-3.66	0.76-1.37	0.76-1.37	3.05-3.66	0.76-1.37	3.05-3.66	1.52-2.13	1.52-2.13	3.05-3.66	3.05-3.66	3.05-3.66	1.52-2.13	3.05-3.66	3.05-3.66
Leachate Metals	Units	Criteria															
Leachable Antimony (Sb)	µg/L	6	<0.5	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	-	<0.5	-	-
Leachable Arsenic (As)	µg/L	-	<1	-	<1	-	-	3	-	-	<1	-	-	-	<1	-	-
Leachable Barium (Ba)	µg/L	1000	<5	-	<5	-	-	39	-	-	<5	-	-	-	<5	-	-
Leachable Beryllium (Be)	µg/L	4	<0.5	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	-	<0.5	-	-
Leachable Boron (B)	µg/L	5000	<10	-	<10	-	-	<10	-	-	<10	-	-	-	<10	-	-
Leachable Cadmium (Cd)	µg/L	-	<0.1	-	<0.1	-	-	<0.1	-	-	<0.1	-	-	-	<0.1	-	-
Leachable Chromium (Cr)	µg/L	50	<5	-	<5	-	-	5	-	-	<5	-	-	-	<5	-	-
Leachable Cobalt (Co)	µg/L	3.8	<0.5	-	<0.5	-	-	1.1	-	-	<0.5	-	-	-	<0.5	-	-
Leachable Copper (Cu)	µg/L	14	<1	-	<1	-	-	8	-	-	1	-	-	-	<1	-	-
Leachable Lead (Pb)	µg/L	-	<0.5	-	<0.5	-	-	3.6	-	-	<0.5	-	-	-	<0.5	-	-
Leachable Molybdenum (Mo)	µg/L	23	<1	-	<1	-	-	2	-	-	<1	-	-	-	1	-	-
Leachable Nickel (Ni)	µg/L	78	<1	-	<1	-	-	4	-	-	<1	-	-	-	<1	-	-
Leachable Selenium (Se)	µg/L	10	<2	-	<2	-	-	<2	-	-	<2	-	-	-	<2	-	-
Leachable Silver (Ag)	µg/L	0.3	<0.1	-	<0.1	-	-	<0.1	-	-	<0.1	-	-	-	<0.1	-	-
Leachable Thallium (Th)	µg/L	2	<0.05	-	<0.05	-	-	0.06	-	-	<0.05	-	-	-	<0.05	-	-
Leachable Uranium (U)	µg/L	20	<0.1	-	<0.1	-	-	0.3	-	-	<0.1	-	-	-	<0.1	-	-
Leachable Vanadium (V)	µg/L	-	<1	-	<1	-	-	13	-	-	2	-	-	-	2	-	-
Leachable Zinc (Zn)	µg/L	180	<5	-	<5	-	-	16	-	-	<5	-	-	-	<5	-	-
Leachate VOCs		Criteria															
Leachable Bromomethane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Carbon Tetrachloride	µg/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Chloroform	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,2-Dichlorobenzene	µg/L	0.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,4-Dichlorobenzene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1-Dichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,2-Dichloroethane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1-Dichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable cis-1,2-Dichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable trans-1,2-Dichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,2-Dichloropropane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable cis-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable trans-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,3-Dichloropropene (cis+trans)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Ethylene Dibromide	µg/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1,1,2-Tetrachloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1,2,2-Tetrachloroethane	µg/L	0.5	-	-	-	-	-	0.5	-	-	-	-	-	-	-	-	-
Leachable Tetrachloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1,2-Trichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Trichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachate OCPs	Units	Criteria															
Leachable Dieldrin	µg/L	0.097	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Endrin	µg/L	0.062	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Heptachlor	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Heptachlor epoxide	µg/L	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachate OCPs	Units	Criteria															
Leachable (SPLP) Bis(2-chloroethyl)ether	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) Bis(2-chloroisopropyl)ether	µg/L	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) p-Chloroaniline	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 3,3'-Dichlorobenzidine	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) Diethyl phthalate	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) Dimethyl phthalate	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4-Dinitrophenol	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4-Dinitrotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4- & 2,6-Dinitrotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4,6-Trichlorophenol	µg/L	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:

1) All concentrations in µg/L (unless otherwise stated)

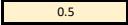
2) 'Table 2.1 - RPI' refers to O.Reg. 406/19 Table 2.1: Leachate Screening Levels for Full Depth Excess Soil in a Potable Ground Water Condition for Residential/Parkland/Institutional Property Use

3) Detected concentration above LSL shown as:



4) Refer to Certificate of Analysis for full results

5) RDL above LSL shown as :



6) LSL deemed to meet standard, as bulk concentration < T1 RPIICC ESQS and T1 RPIICC ESQS is based on background and not the reporting limit.



Summary of Analytical Results:

Leachate Analyses

Sample ID/Parameter		Table 2.1 ICC	BH-1 SS2 0.76-1.37M	BH-1 SS5 3.05-3.66M	BH-2 SS2 0.76-1.37M	BH-2 SS2 0.76-1.37M	BH-2 SS5 3.05-3.66M	BH-3 SS2 0.76-1.37M	BH-3 SS5 3.05-3.66M	BH-4 (DUP) SS3 1.52- 1.52-2.13M	BH-4 SS3 1.52-2.13M	BH-4 SS5 3.05-3.66M	BH-5 SS5 3.05-3.66M	BH-5 SS5 3.05-3.66M	BH-6 SS3 1.52-2.13M	BH-6 SS5 3.05-3.66M	BH-6 SS5 3.05-3.66M
BV Job ID / Lab ID			C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /
Sample Collection Date (mm/dd/yyyy)			4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/28/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/28/2025	4/28/2025	4/28/2025
Sample Depth (mags)			0.76-1.37	3.05-3.66	0.76-1.37	0.76-1.37	3.05-3.66	0.76-1.37	3.05-3.66	1.52-2.13	1.52-2.13	3.05-3.66	3.05-3.66	3.05-3.66	1.52-2.13	3.05-3.66	3.05-3.66
Leachate Metals	Units	Criteria															
Leachable Antimony (Sb)	µg/L	6	<0.5	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	-	<0.5	-	-
Leachable Arsenic (As)	µg/L	-	<1	-	<1	-	-	3	-	-	<1	-	-	-	<1	-	-
Leachable Barium (Ba)	µg/L	1000	<5	-	<5	-	-	39	-	-	<5	-	-	-	<5	-	-
Leachable Beryllium (Be)	µg/L	4	<0.5	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	-	<0.5	-	-
Leachable Boron (B)	µg/L	5000	<10	-	<10	-	-	<10	-	-	<10	-	-	-	<10	-	-
Leachable Cadmium (Cd)	µg/L	0.5	<0.1	-	<0.1	-	-	<0.1	-	-	<0.1	-	-	-	<0.1	-	-
Leachable Chromium (Cr)	µg/L	50	<5	-	<5	-	-	5	-	-	<5	-	-	-	<5	-	-
Leachable Cobalt (Co)	µg/L	3.8	<0.5	-	<0.5	-	-	1.1	-	-	<0.5	-	-	-	<0.5	-	-
Leachable Copper (Cu)	µg/L	14	<1	-	<1	-	-	8	-	-	1	-	-	-	<1	-	-
Leachable Lead (Pb)	µg/L	-	<0.5	-	<0.5	-	-	3.6	-	-	<0.5	-	-	-	<0.5	-	-
Leachable Molybdenum (Mo)	µg/L	23	<1	-	<1	-	-	2	-	-	<1	-	-	-	1	-	-
Leachable Nickel (Ni)	µg/L	78	<1	-	<1	-	-	4	-	-	<1	-	-	-	<1	-	-
Leachable Selenium (Se)	µg/L	10	<2	-	<2	-	-	<2	-	-	<2	-	-	-	<2	-	-
Leachable Silver (Ag)	µg/L	0.3	<0.1	-	<0.1	-	-	<0.1	-	-	<0.1	-	-	-	<0.1	-	-
Leachable Thallium (Th)	µg/L	2	<0.05	-	<0.05	-	-	0.06	-	-	<0.05	-	-	-	<0.05	-	-
Leachable Uranium (U)	µg/L	20	<0.1	-	<0.1	-	-	0.3	-	-	<0.1	-	-	-	<0.1	-	-
Leachable Vanadium (V)	µg/L	-	<1	-	<1	-	-	13	-	-	2	-	-	-	2	-	-
Leachable Zinc (Zn)	µg/L	180	<5	-	<5	-	-	16	-	-	<5	-	-	-	<5	-	-
Leachate VOCs	Criteria																
Leachable Bromomethane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Carbon Tetrachloride	µg/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Chloroform	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,2-Dichlorobenzene	µg/L	0.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,4-Dichlorobenzene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1-Dichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,2-Dichloroethane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1-Dichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable cis-1,2-Dichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable trans-1,2-Dichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,2-Dichloropropane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable cis-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable trans-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,3-Dichloropropene (cis+trans)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Ethylene Dibromide	µg/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1,1,2-Tetrachloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1,2,2-Tetrachloroethane	µg/L	0.5	-	-	-	-	-	0.5	-	-	-	-	-	-	-	-	-
Leachable Tetrachloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1,2-Trichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Trichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachate OCPs	Units	Criteria															
Leachable Dieldrin	µg/L	0.097	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Endrin	µg/L	0.062	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Heptachlor	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Heptachlor epoxide	µg/L	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachate OCPs	Units	Criteria															
Leachable (SPLP) Bis(2-chloroethyl)ether	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) Bis(2-chloroisopropyl)ether	µg/L	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) p-Chloroaniline	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 3,3'-Dichlorobenzidine	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) Diethyl phthalate	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) Dimethyl phthalate	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4-Dinitrophenol	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4-Dinitrotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4- & 2,6-Dinitrotoluene	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4,6-Trichlorophenol	µg/L	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:

1) All concentrations in µg/L (unless otherwise stated)

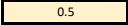
2) 'Table 2.1 - ICC' refers to O.Reg. 406/19 Table 2.1: Leachate Screening Levels for Full Depth Excess Soil in a Potable Ground Water Condition for Industrial/Commercial/Community Property Use

3) Detected concentration above LSL shown as:



4) Refer to Certificate of Analysis for full results

5) RDL above LSL shown as :



6) LSL deemed to meet standard, as bulk concentration < T1 RPIICC ESQS and T1 RPIICC ESQS is based on background and not the reporting limit.



BRM-23007484-H0
409 Centre St S, Whitby, ON

Summary of Analytical Results:

Leachate Analyses

Sample ID/Parameter		Table 3.1 ICC	BH-1 SS2 0.76-1.37M	BH-1 SS5 3.05-3.66M	BH-2 SS2 0.76-1.37M	BH-2 SS2 0.76-1.37M	BH-2 SS5 3.05-3.66M	BH-3 SS2 0.76-1.37M	BH-3 SS5 3.05-3.66M	BH-4 (DUP) SS3 1.52- 1.52-2.13M	BH-4 SS3 1.52-2.13M	BH-4 SS5 3.05-3.66M	BH-5 SS5 3.05-3.66M	BH-5 SS5 3.05-3.66M	BH-6 SS3 1.52-2.13M	BH-6 SS5 3.05-3.66M	BH-6 SS5 3.05-3.66M
BV Job ID / Lab ID			C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /	C549489 /
Sample Collection Date (mm/dd/yyyy)			4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/28/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/29/2025	4/28/2025	4/28/2025	4/28/2025
Sample Depth (mags)			0.76-1.37	3.05-3.66	0.76-1.37	0.76-1.37	3.05-3.66	0.76-1.37	3.05-3.66	1.52-2.13	1.52-2.13	3.05-3.66	3.05-3.66	3.05-3.66	1.52-2.13	3.05-3.66	3.05-3.66
Leachate Metals	Units	Criteria															
Leachable Antimony (Sb)	µg/L	-	<0.5	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	-	<0.5	-	-
Leachable Arsenic (As)	µg/L	-	<1	-	<1	-	-	3	-	-	<1	-	-	-	<1	-	-
Leachable Barium (Ba)	µg/L	4600	<5	-	<5	-	-	39	-	-	<5	-	-	-	<5	-	-
Leachable Beryllium (Be)	µg/L	11	<0.5	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	-	<0.5	-	-
Leachable Boron (B)	µg/L	-	<10	-	<10	-	-	<10	-	-	<10	-	-	-	<10	-	-
Leachable Cadmium (Cd)	µg/L	0.5	<0.1	-	<0.1	-	-	<0.1	-	-	<0.1	-	-	-	<0.1	-	-
Leachable Chromium (Cr)	µg/L	130	<5	-	<5	-	-	5	-	-	<5	-	-	-	<5	-	-
Leachable Cobalt (Co)	µg/L	10	<0.5	-	<0.5	-	-	1.1	-	-	<0.5	-	-	-	<0.5	-	-
Leachable Copper (Cu)	µg/L	14	<1	-	<1	-	-	8	-	-	1	-	-	-	<1	-	-
Leachable Lead (Pb)	µg/L	-	<0.5	-	<0.5	-	-	3.6	-	-	<0.5	-	-	-	<0.5	-	-
Leachable Molybdenum (Mo)	µg/L	1500	<1	-	<1	-	-	2	-	-	<1	-	-	-	1	-	-
Leachable Nickle (Ni)	µg/L	78	<1	-	<1	-	-	4	-	-	<1	-	-	-	<1	-	-
Leachable Selenium (Se)	µg/L	10	<2	-	<2	-	-	<2	-	-	<2	-	-	-	<2	-	-
Leachable Silver (Ag)	µg/L	0.3	<0.1	-	<0.1	-	-	<0.1	-	-	<0.1	-	-	-	<0.1	-	-
Leachable Thallium (Th)	µg/L	80	<0.05	-	<0.05	-	-	0.06	-	-	<0.05	-	-	-	<0.05	-	-
Leachable Uranium (U)	µg/L	66	<0.1	-	<0.1	-	-	0.3	-	-	<0.1	-	-	-	<0.1	-	-
Leachable Vanadium (V)	µg/L	-	<1	-	<1	-	-	13	-	-	2	-	-	-	2	-	-
Leachable Zinc (Zn)	µg/L	180	<5	-	<5	-	-	16	-	-	<5	-	-	-	<5	-	-
Leachate VOCs		Criteria															
Leachable Bromomethane	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Carbon Tetrachloride	µg/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Chloroform	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1-Dichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,2-Dichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1-Dichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable cis-1,2-Dichloroethylene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable trans-1,2-Dichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,2-Dichloropropane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable cis-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable trans-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,3-Dichloropropene (cis+trans)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Ethylene Dibromide	µg/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1,1,2-Tetrachloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1,2,2-Tetrachloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Tetrachloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable 1,1,2-Trichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Trichloroethylene	µg/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachate OCPs	Units	Criteria															
Leachable Dieldrin	µg/L	0.097	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Endrin	µg/L	0.062	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Heptachlor	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable Heptachlor epoxide	µg/L	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachate OCPs	Units	Criteria															
Leachable (SPLP) Bis(2-chloroethyl)ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) Bis(2-chloroisopropyl)ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) p-Chloroaniline	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 3,3'-Dichlorobenzidine	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) Diethyl phthalate	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) Dimethyl phthalate	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4-Dinitrophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4-Dinitrotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4- & 2,6-Dinitrotoluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leachable (SPLP) 2,4,6-Trichlorophenol	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:

1) All concentrations in µg/L (unless otherwise stated)

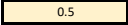
2) 'Table 3.1 - ICC' refers to O.Reg. 406/19 Table 3.1: Leachate Screening Levels for Full Depth Excess Soil in a Non-Potable Ground Water Condition for Industrial/Commercial/Community Property Use

3) Detected concentration above LSL shown as:



4) Refer to Certificate of Analysis for full results

5) RDL above LSL shown as :



6) LSL deemed to meet standard, as bulk concentration < T1 RPIICC ESQS and T1 RPIICC ESQS is based on background and not the reporting limit.



*Preliminary Due Diligence Excess Soil Characterization
409 Centre Street South, Whitby, ON
October 23, 2025*

Appendix A: Certificate of Analysis



Your Project #: BRM-23007484-H0
Site Location: 409 CENTRE ST S.
Your C.O.C. #: 1038432-38-01, 1038432-37-01

Attention: Stacy Meek

Exp Services Inc
Markham Branch
220 Commerce Valley Dr W
Suite 500
Markham, ON
CANADA L3T 0A8

Report Date: 2025/05/09
Report #: R8535489
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C549489

Received: 2025/05/01, 15:40

Sample Matrix: Soil
Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum	2	N/A	2025/05/07	CAM SOP-00301	EPA 8270D m
Methylnaphthalene Sum	4	N/A	2025/05/08	CAM SOP-00301	EPA 8270D m
Hot Water Extractable Boron	12	2025/05/07	2025/05/07	CAM SOP-00408	R153 Ana. Prot. 2011
Free (WAD) Cyanide	12	2025/05/07	2025/05/07	CAM SOP-00457	OMOE E3015 m
Conductivity	11	2025/05/06	2025/05/06	CAM SOP-00414	OMOE E3530 v1 m
Conductivity	1	2025/05/07	2025/05/07	CAM SOP-00414	OMOE E3530 v1 m
Hexavalent Chromium in Soil by IC (1)	12	2025/05/07	2025/05/07	CAM SOP-00436	EPA 3060A/7199 m
Petroleum Hydro. CCME F1 & BTEX in Soil (2)	12	N/A	2025/05/08	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (3)	12	2025/05/07	2025/05/07	CAM SOP-00316	CCME CWS m
Acid Extractable Metals by ICPMS	11	2025/05/06	2025/05/06	CAM SOP-00447	EPA 6020B m
Acid Extractable Metals by ICPMS	1	2025/05/07	2025/05/07	CAM SOP-00447	EPA 6020B m
Total Metals in SPLP Leachate by ICPMS	4	2025/05/06	2025/05/06	CAM SOP-00447	EPA 6020B m
Total Metals in SPLP Leachate by ICPMS	1	2025/05/06	2025/05/07	CAM SOP-00447	EPA 6020B m
Moisture	12	N/A	2025/05/03	CAM SOP-00445	Carter 2nd ed 70.2 m
Modified SPLP extraction - Weight	5	N/A	2025/05/06	CAM SOP-00941	OMOECPLaSB E9003 R3
PAH Compounds in Soil by GC/MS (SIM)	6	2025/05/07	2025/05/07	CAM SOP-00318	EPA 8270E
pH CaCl2 EXTRACT	12	2025/05/07	2025/05/07	CAM SOP-00413	EPA 9045 D m
Sodium Adsorption Ratio (SAR)	11	N/A	2025/05/07	CAM SOP-00102	EPA 6010C
Sodium Adsorption Ratio (SAR)	1	N/A	2025/05/08	CAM SOP-00102	EPA 6010C

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 #: BRM-23007484-H0
Site Location: 409 CENTRE ST S.
Your C.O.C. #: 1038432-38-01, 1038432-37-01

Attention: Stacy Meek

Exp Services Inc
Markham Branch
220 Commerce Valley Dr W
Suite 500
Markham, ON
CANADA L3T 0A8

Report Date: 2025/05/09
Report #: R8535489
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C549489

Received: 2025/05/01, 15:40

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

(2) No lab extraction date is given for F1BTX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.

(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

Please direct all questions regarding this Certificate of Analysis to:

Patricia Legette, Project Manager

Email: Patricia.Legette@bureauveritas.com

Phone# (905)817-5799

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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 #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

O.REG 406 EXCESS SOIL BULK INORGANICS (SOIL)

Bureau Veritas ID		AQMI66	AQMI67			AQMI67		
Sampling Date		2025/04/29 11:08	2025/04/29 09:45			2025/04/29 09:45		
COC Number		1038432-38-01	1038432-38-01			1038432-38-01		
	UNITS	BH-1 SS2 0.76-1.37M	BH-2 SS2 0.76-1.37M	RDL	QC Batch	BH-2 SS2 0.76-1.37M Lab-Dup	RDL	QC Batch

Calculated Parameters								
Sodium Adsorption Ratio	N/A	3.8	0.32 (1)		9921394			
Inorganics								
Conductivity	mS/cm	0.22	0.11	0.002	9923281			
Available (CaCl2) pH	pH	7.80	7.83		9923770			
WAD Cyanide (Free)	ug/g	<0.01	<0.01	0.01	9923637			
Chromium (VI)	ug/g	<0.18	<0.18	0.18	9923692			
Metals								
Hot Water Ext. Boron (B)	ug/g	0.060	0.054	0.050	9923813	0.055	0.050	9923813
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	0.20	9923313			
Acid Extractable Arsenic (As)	ug/g	2.4	2.1	1.0	9923313			
Acid Extractable Barium (Ba)	ug/g	48	38	0.50	9923313			
Acid Extractable Beryllium (Be)	ug/g	0.28	0.27	0.20	9923313			
Acid Extractable Boron (B)	ug/g	<5.0	<5.0	5.0	9923313			
Acid Extractable Cadmium (Cd)	ug/g	<0.10	<0.10	0.10	9923313			
Acid Extractable Chromium (Cr)	ug/g	11	9.9	1.0	9923313			
Acid Extractable Cobalt (Co)	ug/g	8.1	5.6	0.10	9923313			
Acid Extractable Copper (Cu)	ug/g	15	11	0.50	9923313			
Acid Extractable Lead (Pb)	ug/g	9.1	7.9	1.0	9923313			
Acid Extractable Molybdenum (Mo)	ug/g	0.59	0.54	0.50	9923313			
Acid Extractable Nickel (Ni)	ug/g	18	14	0.50	9923313			
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	0.50	9923313			
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	0.20	9923313			
Acid Extractable Thallium (Tl)	ug/g	0.27	0.21	0.050	9923313			
Acid Extractable Uranium (U)	ug/g	0.59	0.59	0.050	9923313			
Acid Extractable Vanadium (V)	ug/g	25	19	5.0	9923313			
Acid Extractable Zinc (Zn)	ug/g	32	31	5.0	9923313			

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate

(1) Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.



O.REG 406 EXCESS SOIL BULK INORGANICS (SOIL)

Bureau Veritas ID		AQMI66	AQMI67			AQMI67		
Sampling Date		2025/04/29 11:08	2025/04/29 09:45			2025/04/29 09:45		
COC Number		1038432-38-01	1038432-38-01			1038432-38-01		
	UNITS	BH-1 SS2 0.76-1.37M	BH-2 SS2 0.76-1.37M	RDL	QC Batch	BH-2 SS2 0.76-1.37M Lab-Dup	RDL	QC Batch
Acid Extractable Mercury (Hg)	ug/g	<0.050	<0.050	0.050	9923313			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate								



BUREAU
VERITAS

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

O.REG 406 EXCESS SOIL BULK INORGANICS (SOIL)

Bureau Veritas ID		AQMI68	AQMI69	AQMI70		
Sampling Date		2025/04/28 14:22	2025/04/29 08:43	2025/04/29 08:43		
COC Number		1038432-38-01	1038432-38-01	1038432-38-01		
	UNITS	BH-3 SS2 0.76-1.37M	BH-4 SS3 1.52-2.13M	BH-4 (DUP) SS3 1.52-2.13M	RDL	QC Batch

Calculated Parameters

Sodium Adsorption Ratio	N/A	8.8	13	8.2		9921394
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Inorganics

Conductivity	mS/cm	0.89	1.0	0.83	0.002	9923281
Available (CaCl2) pH	pH	7.71	7.88	7.86		9923770
WAD Cyanide (Free)	ug/g	<0.01	<0.01	<0.01	0.01	9923637
Chromium (VI)	ug/g	<0.18	<0.18	<0.18	0.18	9923692

Metals

Hot Water Ext. Boron (B)	ug/g	0.18	0.087	0.13	0.050	9923813
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	<0.20	0.20	9923313
Acid Extractable Arsenic (As)	ug/g	2.6	1.7	2.1	1.0	9923313
Acid Extractable Barium (Ba)	ug/g	83	40	30	0.50	9923313
Acid Extractable Beryllium (Be)	ug/g	0.51	0.27	0.24	0.20	9923313
Acid Extractable Boron (B)	ug/g	6.0	<5.0	<5.0	5.0	9923313
Acid Extractable Cadmium (Cd)	ug/g	0.14	<0.10	<0.10	0.10	9923313
Acid Extractable Chromium (Cr)	ug/g	19	11	9.6	1.0	9923313
Acid Extractable Cobalt (Co)	ug/g	6.4	4.5	4.6	0.10	9923313
Acid Extractable Copper (Cu)	ug/g	15	9.8	10	0.50	9923313
Acid Extractable Lead (Pb)	ug/g	31	7.2	8.5	1.0	9923313
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	<0.50	<0.50	0.50	9923313
Acid Extractable Nickel (Ni)	ug/g	14	12	11	0.50	9923313
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	<0.50	0.50	9923313
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	<0.20	0.20	9923313
Acid Extractable Thallium (Tl)	ug/g	0.16	0.17	0.13	0.050	9923313
Acid Extractable Uranium (U)	ug/g	0.51	0.56	0.49	0.050	9923313
Acid Extractable Vanadium (V)	ug/g	29	19	17	5.0	9923313
Acid Extractable Zinc (Zn)	ug/g	56	27	26	5.0	9923313
Acid Extractable Mercury (Hg)	ug/g	<0.050	<0.050	<0.050	0.050	9923313

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



BUREAU
VERITAS

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

O.REG 406 EXCESS SOIL BULK INORGANICS (SOIL)

Bureau Veritas ID		AQMI71		AQMI72		AQMI73		
Sampling Date		2025/04/28 09:07		2025/04/29 11:25		2025/04/29 10:04		
COC Number		1038432-38-01		1038432-38-01		1038432-38-01		
	UNITS	BH-6 SS3 1.52-2.13M	QC Batch	BH-1 SS5 3.05-3.66M	QC Batch	BH-2 SS5 3.05-3.66M	RDL	QC Batch

Calculated Parameters

Sodium Adsorption Ratio	N/A	55	9921394	4.0	9921394	0.34 (1)		9921394
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Inorganics

Conductivity	mS/cm	5.0	9923281	0.21	9923281	0.096	0.002	9923666
Available (CaCl2) pH	pH	7.94	9923770	7.85	9923770	7.91		9923770
WAD Cyanide (Free)	ug/g	<0.01	9923695	<0.01	9923637	<0.01	0.01	9923637
Chromium (VI)	ug/g	<0.18	9923697	<0.18	9923692	<0.18	0.18	9923692

Metals

Hot Water Ext. Boron (B)	ug/g	0.15	9923813	0.075	9923813	<0.050	0.050	9923813
Acid Extractable Antimony (Sb)	ug/g	<0.20	9923781	<0.20	9923313	<0.20	0.20	9923313
Acid Extractable Arsenic (As)	ug/g	3.2	9923781	1.2	9923313	<1.0	1.0	9923313
Acid Extractable Barium (Ba)	ug/g	54	9923781	19	9923313	22	0.50	9923313
Acid Extractable Beryllium (Be)	ug/g	0.30	9923781	<0.20	9923313	<0.20	0.20	9923313
Acid Extractable Boron (B)	ug/g	<5.0	9923781	<5.0	9923313	<5.0	5.0	9923313
Acid Extractable Cadmium (Cd)	ug/g	<0.10	9923781	<0.10	9923313	<0.10	0.10	9923313
Acid Extractable Chromium (Cr)	ug/g	12	9923781	6.1	9923313	10	1.0	9923313
Acid Extractable Cobalt (Co)	ug/g	4.3	9923781	3.6	9923313	3.7	0.10	9923313
Acid Extractable Copper (Cu)	ug/g	8.0	9923781	6.4	9923313	5.4	0.50	9923313
Acid Extractable Lead (Pb)	ug/g	4.2	9923781	4.5	9923313	3.2	1.0	9923313
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	9923781	<0.50	9923313	0.55	0.50	9923313
Acid Extractable Nickel (Ni)	ug/g	8.4	9923781	9.3	9923313	6.9	0.50	9923313
Acid Extractable Selenium (Se)	ug/g	<0.50	9923781	<0.50	9923313	<0.50	0.50	9923313
Acid Extractable Silver (Ag)	ug/g	<0.20	9923781	<0.20	9923313	<0.20	0.20	9923313
Acid Extractable Thallium (Tl)	ug/g	0.061	9923781	0.15	9923313	0.060	0.050	9923313
Acid Extractable Uranium (U)	ug/g	0.43	9923781	0.32	9923313	0.43	0.050	9923313
Acid Extractable Vanadium (V)	ug/g	20	9923781	11	9923313	16	5.0	9923313
Acid Extractable Zinc (Zn)	ug/g	29	9923781	13	9923313	16	5.0	9923313
Acid Extractable Mercury (Hg)	ug/g	<0.050	9923781	<0.050	9923313	<0.050	0.050	9923313

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.

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VERITAS

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

O.REG 406 EXCESS SOIL BULK INORGANICS (SOIL)

Bureau Veritas ID		AQMI74	AQMI75		AQMI76		
Sampling Date		2025/04/29 14:34	2025/04/29 08:57		2025/04/29 12:44		
COC Number		1038432-38-01	1038432-38-01		1038432-37-01		
	UNITS	BH-3 SS5 3.05-3.66M	BH-4 SS5 3.05-3.66M	QC Batch	BH-5 SS5 3.05-3.66M	RDL	QC Batch

Calculated Parameters							
Sodium Adsorption Ratio	N/A	2.4	13	9921394	2.3		9921394
Inorganics							
Conductivity	mS/cm	0.36	1.0	9923281	0.19	0.002	9923281
Available (CaCl ₂) pH	pH	7.67	7.95	9923770	7.84		9923770
WAD Cyanide (Free)	ug/g	<0.01	<0.01	9923637	<0.01	0.01	9923695
Chromium (VI)	ug/g	<0.18	<0.18	9923692	<0.18	0.18	9923692
Metals							
Hot Water Ext. Boron (B)	ug/g	0.058	0.056	9923813	<0.050	0.050	9923813
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	9923313	<0.20	0.20	9923313
Acid Extractable Arsenic (As)	ug/g	1.9	1.4	9923313	1.6	1.0	9923313
Acid Extractable Barium (Ba)	ug/g	35	30	9923313	77	0.50	9923313
Acid Extractable Beryllium (Be)	ug/g	<0.20	<0.20	9923313	0.29	0.20	9923313
Acid Extractable Boron (B)	ug/g	<5.0	<5.0	9923313	<5.0	5.0	9923313
Acid Extractable Cadmium (Cd)	ug/g	<0.10	<0.10	9923313	<0.10	0.10	9923313
Acid Extractable Chromium (Cr)	ug/g	37	7.4	9923313	11	1.0	9923313
Acid Extractable Cobalt (Co)	ug/g	8.8	3.9	9923313	6.0	0.10	9923313
Acid Extractable Copper (Cu)	ug/g	17	6.6	9923313	9.2	0.50	9923313
Acid Extractable Lead (Pb)	ug/g	4.9	4.9	9923313	5.5	1.0	9923313
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	<0.50	9923313	<0.50	0.50	9923313
Acid Extractable Nickel (Ni)	ug/g	20	9.7	9923313	12	0.50	9923313
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	9923313	<0.50	0.50	9923313
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	9923313	<0.20	0.20	9923313
Acid Extractable Thallium (Tl)	ug/g	0.18	0.12	9923313	0.18	0.050	9923313
Acid Extractable Uranium (U)	ug/g	0.54	0.47	9923313	0.48	0.050	9923313
Acid Extractable Vanadium (V)	ug/g	44	16	9923313	21	5.0	9923313
Acid Extractable Zinc (Zn)	ug/g	33	17	9923313	31	5.0	9923313
Acid Extractable Mercury (Hg)	ug/g	<0.050	<0.050	9923313	<0.050	0.050	9923313
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



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Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

O.REG 406 EXCESS SOIL BULK INORGANICS (SOIL)

Bureau Veritas ID		AQMI76			AQMI77		
Sampling Date		2025/04/29 12:44			2025/04/28 09:16		
COC Number		1038432-37-01			1038432-37-01		
	UNITS	BH-5 SS5 3.05-3.66M Lab-Dup	RDL	QC Batch	BH-6 SS5 3.05-3.66M	RDL	QC Batch

Calculated Parameters							
Sodium Adsorption Ratio	N/A				25		9921394
Inorganics							
Conductivity	mS/cm				4.4	0.002	9923281
Available (CaCl ₂) pH	pH				7.86		9923770
WAD Cyanide (Free)	ug/g	<0.01	0.01	9923695	<0.01	0.01	9923637
Chromium (VI)	ug/g	<0.18	0.18	9923692	<0.18	0.18	9923692
Metals							
Hot Water Ext. Boron (B)	ug/g				0.14	0.050	9923813
Acid Extractable Antimony (Sb)	ug/g				<0.20	0.20	9923313
Acid Extractable Arsenic (As)	ug/g				2.2	1.0	9923313
Acid Extractable Barium (Ba)	ug/g				22	0.50	9923313
Acid Extractable Beryllium (Be)	ug/g				0.20	0.20	9923313
Acid Extractable Boron (B)	ug/g				<5.0	5.0	9923313
Acid Extractable Cadmium (Cd)	ug/g				<0.10	0.10	9923313
Acid Extractable Chromium (Cr)	ug/g				7.5	1.0	9923313
Acid Extractable Cobalt (Co)	ug/g				4.6	0.10	9923313
Acid Extractable Copper (Cu)	ug/g				10	0.50	9923313
Acid Extractable Lead (Pb)	ug/g				7.6	1.0	9923313
Acid Extractable Molybdenum (Mo)	ug/g				<0.50	0.50	9923313
Acid Extractable Nickel (Ni)	ug/g				12	0.50	9923313
Acid Extractable Selenium (Se)	ug/g				<0.50	0.50	9923313
Acid Extractable Silver (Ag)	ug/g				<0.20	0.20	9923313
Acid Extractable Thallium (Tl)	ug/g				0.21	0.050	9923313
Acid Extractable Uranium (U)	ug/g				0.52	0.050	9923313
Acid Extractable Vanadium (V)	ug/g				16	5.0	9923313
Acid Extractable Zinc (Zn)	ug/g				21	5.0	9923313
Acid Extractable Mercury (Hg)	ug/g				<0.050	0.050	9923313
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate							



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VERITAS

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

O.REG 406 EXCESS SOIL BULK INORGANICS (SOIL)

Bureau Veritas ID		AQM177	
Sampling Date		2025/04/28 09:16	
COC Number		1038432-37-01	
	UNITS	BH-6 SS5 3.05-3.66M Lab-Dup	QC Batch

Inorganics			
Available (CaCl2) pH	pH	7.87	9923770
QC Batch = Quality Control Batch			
Lab-Dup = Laboratory Initiated Duplicate			



O.REG 406 EXCESS SOIL BULK PAHS (SOIL)

Bureau Veritas ID		AQMI66	AQMI67	AQMI68	AQMI69		
Sampling Date		2025/04/29 11:08	2025/04/29 09:45	2025/04/28 14:22	2025/04/29 08:43		
COC Number		1038432-38-01	1038432-38-01	1038432-38-01	1038432-38-01		
	UNITS	BH-1 SS2 0.76-1.37M	BH-2 SS2 0.76-1.37M	BH-3 SS2 0.76-1.37M	BH-4 SS3 1.52-2.13M	RDL	QC Batch

Calculated Parameters							
Methylnaphthalene, 2-(1-)	ug/g	<0.0071	<0.0071	<0.0071	<0.0071	0.0071	9921412
Polyaromatic Hydrocarbons							
Acenaphthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Acenaphthylene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Anthracene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Benzo(a)anthracene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Benzo(a)pyrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Benzo(b/j)fluoranthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Benzo(g,h,i)perylene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Benzo(k)fluoranthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Chrysene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Dibenzo(a,h)anthracene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Fluoranthene	ug/g	<0.0050	<0.0050	0.0063	<0.0050	0.0050	9923621
Fluorene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Indeno(1,2,3-cd)pyrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
1-Methylnaphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
2-Methylnaphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Naphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Phenanthrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Pyrene	ug/g	<0.0050	<0.0050	0.0056	<0.0050	0.0050	9923621
Biphenyl	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	9923621
Surrogate Recovery (%)							
D10-Anthracene	%	91	89	90	92		9923621
D14-Terphenyl (FS)	%	106	105	103	105		9923621
D8-Acenaphthylene	%	88	87	86	89		9923621

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

**O.REG 406 EXCESS SOIL BULK PAHS (SOIL)**

Bureau Veritas ID		AQMI70	AQMI71		
Sampling Date		2025/04/29 08:43	2025/04/28 09:07		
COC Number		1038432-38-01	1038432-38-01		
	UNITS	BH-4 (DUP) SS3 1.52-2.13M	BH-6 SS3 1.52-2.13M	RDL	QC Batch
Calculated Parameters					
Methylnaphthalene, 2-(1-)	ug/g	<0.0071	<0.0071	0.0071	9921412
Polyaromatic Hydrocarbons					
Acenaphthene	ug/g	<0.0050	<0.0050	0.0050	9923621
Acenaphthylene	ug/g	<0.0050	<0.0050	0.0050	9923621
Anthracene	ug/g	<0.0050	<0.0050	0.0050	9923621
Benzo(a)anthracene	ug/g	<0.0050	<0.0050	0.0050	9923621
Benzo(a)pyrene	ug/g	<0.0050	<0.0050	0.0050	9923621
Benzo(b,j)fluoranthene	ug/g	0.0063	<0.0050	0.0050	9923621
Benzo(g,h,i)perylene	ug/g	<0.0050	<0.0050	0.0050	9923621
Benzo(k)fluoranthene	ug/g	<0.0050	<0.0050	0.0050	9923621
Chrysene	ug/g	0.0055	<0.0050	0.0050	9923621
Dibenzo(a,h)anthracene	ug/g	<0.0050	<0.0050	0.0050	9923621
Fluoranthene	ug/g	0.0086	<0.0050	0.0050	9923621
Fluorene	ug/g	<0.0050	<0.0050	0.0050	9923621
Indeno(1,2,3-cd)pyrene	ug/g	<0.0050	<0.0050	0.0050	9923621
1-Methylnaphthalene	ug/g	<0.0050	<0.0050	0.0050	9923621
2-Methylnaphthalene	ug/g	<0.0050	<0.0050	0.0050	9923621
Naphthalene	ug/g	<0.0050	<0.0050	0.0050	9923621
Phenanthrene	ug/g	0.0064	<0.0050	0.0050	9923621
Pyrene	ug/g	0.0077	<0.0050	0.0050	9923621
Biphenyl	ug/g	<0.0050	<0.0050	0.0050	9923621
Surrogate Recovery (%)					
D10-Anthracene	%	92	94		9923621
D14-Terphenyl (FS)	%	105	106		9923621
D8-Acenaphthylene	%	89	87		9923621
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					



**BUREAU
VERITAS**

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

O.REG 406 EXCESS SOIL BULK BTEX/F1-F4 (SOIL)

Bureau Veritas ID		AQMI66	AQMI67	AQMI68	AQMI69		
Sampling Date		2025/04/29 11:08	2025/04/29 09:45	2025/04/28 14:22	2025/04/29 08:43		
COC Number		1038432-38-01	1038432-38-01	1038432-38-01	1038432-38-01		
	UNITS	BH-1 SS2 0.76-1.37M	BH-2 SS2 0.76-1.37M	BH-3 SS2 0.76-1.37M	BH-4 SS3 1.52-2.13M	RDL	QC Batch
BTEX & F1 Hydrocarbons							
Benzene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9924270
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9924270
Ethylbenzene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9924270
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9924270
p+m-Xylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9924270
Total Xylenes	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9924270
F1 (C6-C10)	ug/g	<10	<10	<10	<10	10	9924270
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	10	9924270
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	<7.0	<7.0	<7.0	7.0	9923718
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	9923718
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	9923718
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes		9923718
Surrogate Recovery (%)							
1,4-Difluorobenzene	%	105	107	106	105		9924270
4-Bromofluorobenzene	%	99	98	99	103		9924270
D10-o-Xylene	%	91	91	88	94		9924270
D4-1,2-Dichloroethane	%	102	103	103	101		9924270
o-Terphenyl	%	98	97	97	97		9923718
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



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VERITAS

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

O.REG 406 EXCESS SOIL BULK BTEX/F1-F4 (SOIL)

Bureau Veritas ID		AQMI70	AQMI71	AQMI72	AQMI73		
Sampling Date		2025/04/29 08:43	2025/04/28 09:07	2025/04/29 11:25	2025/04/29 10:04		
COC Number		1038432-38-01	1038432-38-01	1038432-38-01	1038432-38-01		
	UNITS	BH-4 (DUP) SS3 1.52-2.13M	BH-6 SS3 1.52-2.13M	BH-1 SS5 3.05-3.66M	BH-2 SS5 3.05-3.66M	RDL	QC Batch
BTEX & F1 Hydrocarbons							
Benzene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9924270
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9924270
Ethylbenzene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9924270
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9924270
p+m-Xylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9924270
Total Xylenes	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9924270
F1 (C6-C10)	ug/g	<10	<10	<10	<10	10	9924270
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	10	9924270
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	<7.0	16	<7.0	7.0	9923718
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	61	<50	50	9923718
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	9923718
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes		9923718
Surrogate Recovery (%)							
1,4-Difluorobenzene	%	108	105	106	105		9924270
4-Bromofluorobenzene	%	99	99	99	99		9924270
D10-o-Xylene	%	92	89	89	87		9924270
D4-1,2-Dichloroethane	%	100	103	102	102		9924270
o-Terphenyl	%	96	98	97	100		9923718
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



**BUREAU
VERITAS**

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

O.REG 406 EXCESS SOIL BULK BTEX/F1-F4 (SOIL)

Bureau Veritas ID		AQMI74	AQMI75	AQMI76	AQMI77		
Sampling Date		2025/04/29 14:34	2025/04/29 08:57	2025/04/29 12:44	2025/04/28 09:16		
COC Number		1038432-38-01	1038432-38-01	1038432-37-01	1038432-37-01		
	UNITS	BH-3 SS5 3.05-3.66M	BH-4 SS5 3.05-3.66M	BH-5 SS5 3.05-3.66M	BH-6 SS5 3.05-3.66M	RDL	QC Batch
BTEX & F1 Hydrocarbons							
Benzene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9924270
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9924270
Ethylbenzene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9924270
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9924270
p+m-Xylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9924270
Total Xylenes	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	9924270
F1 (C6-C10)	ug/g	<10	<10	<10	<10	10	9924270
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	10	9924270
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	16	8.5	<7.0	<7.0	7.0	9923718
F3 (C16-C34 Hydrocarbons)	ug/g	76	<50	<50	<50	50	9923718
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	9923718
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes		9923718
Surrogate Recovery (%)							
1,4-Difluorobenzene	%	106	105	104	106		9924270
4-Bromofluorobenzene	%	102	99	100	100		9924270
D10-o-Xylene	%	95	91	93	92		9924270
D4-1,2-Dichloroethane	%	101	102	103	102		9924270
o-Terphenyl	%	96	97	97	98		9923718
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



**BUREAU
VERITAS**

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

O.REG 406 EXCESS SOIL SPLP METALS (SOIL)

Bureau Veritas ID		AQMI66	AQMI67	AQMI68	AQMI69		
Sampling Date		2025/04/29 11:08	2025/04/29 09:45	2025/04/28 14:22	2025/04/29 08:43		
COC Number		1038432-38-01	1038432-38-01	1038432-38-01	1038432-38-01		
	UNITS	BH-1 SS2 0.76-1.37M	BH-2 SS2 0.76-1.37M	BH-3 SS2 0.76-1.37M	BH-4 SS3 1.52-2.13M	RDL	QC Batch

Metals							
Leachable (SPLP) Antimony (Sb)	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	9923282
Leachable (SPLP) Arsenic (As)	ug/L	<1	<1	3	<1	1	9923282
Leachable (SPLP) Barium (Ba)	ug/L	<5	<5	39	<5	5	9923282
Leachable (SPLP) Beryllium (Be)	ug/L	<0.5	<0.5	<0.5	<0.5	0.5	9923282
Leachable (SPLP) Boron (B)	ug/L	<10	<10	<10	<10	10	9923282
Leachable (SPLP) Cadmium (Cd)	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	9923282
Leachable (SPLP) Chromium (Cr)	ug/L	<5	<5	5	<5	5	9923282
Leachable (SPLP) Cobalt (Co)	ug/L	<0.5	<0.5	1.1	<0.5	0.5	9923282
Leachable (SPLP) Copper (Cu)	ug/L	<1	<1	8	1	1	9923282
Leachable (SPLP) Lead (Pb)	ug/L	<0.5	<0.5	3.6	<0.5	0.5	9923282
Leachable (SPLP) Molybdenum (Mo)	ug/L	<1	<1	2	<1	1	9923282
Leachable (SPLP) Nickel (Ni)	ug/L	<1	<1	4	<1	1	9923282
Leachable (SPLP) Selenium (Se)	ug/L	<2	<2	<2	<2	2	9923282
Leachable (SPLP) Silver (Ag)	ug/L	<0.1	<0.1	<0.1	<0.1	0.1	9923282
Leachable (SPLP) Thallium (Tl)	ug/L	<0.05	<0.05	0.06	<0.05	0.05	9923282
Leachable (SPLP) Uranium (U)	ug/L	<0.1	<0.1	0.3	<0.1	0.1	9923282
Leachable (SPLP) Vanadium (V)	ug/L	<1	<1	13	2	1	9923282
Leachable (SPLP) Zinc (Zn)	ug/L	<5	<5	16	<5	5	9923282

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



**BUREAU
VERITAS**

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

O.REG 406 EXCESS SOIL SPLP METALS (SOIL)

Bureau Veritas ID		AQMI71		
Sampling Date		2025/04/28 09:07		
COC Number		1038432-38-01		
	UNITS	BH-6 SS3 1.52-2.13M	RDL	QC Batch
Metals				
Leachable (SPLP) Antimony (Sb)	ug/L	<0.5	0.5	9923282
Leachable (SPLP) Arsenic (As)	ug/L	<1	1	9923282
Leachable (SPLP) Barium (Ba)	ug/L	<5	5	9923282
Leachable (SPLP) Beryllium (Be)	ug/L	<0.5	0.5	9923282
Leachable (SPLP) Boron (B)	ug/L	<10	10	9923282
Leachable (SPLP) Cadmium (Cd)	ug/L	<0.1	0.1	9923282
Leachable (SPLP) Chromium (Cr)	ug/L	<5	5	9923282
Leachable (SPLP) Cobalt (Co)	ug/L	<0.5	0.5	9923282
Leachable (SPLP) Copper (Cu)	ug/L	<1	1	9923282
Leachable (SPLP) Lead (Pb)	ug/L	<0.5	0.5	9923282
Leachable (SPLP) Molybdenum (Mo)	ug/L	1	1	9923282
Leachable (SPLP) Nickel (Ni)	ug/L	<1	1	9923282
Leachable (SPLP) Selenium (Se)	ug/L	<2	2	9923282
Leachable (SPLP) Silver (Ag)	ug/L	<0.1	0.1	9923282
Leachable (SPLP) Thallium (Tl)	ug/L	<0.05	0.05	9923282
Leachable (SPLP) Uranium (U)	ug/L	<0.1	0.1	9923282
Leachable (SPLP) Vanadium (V)	ug/L	2	1	9923282
Leachable (SPLP) Zinc (Zn)	ug/L	<5	5	9923282
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



**BUREAU
VERITAS**

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

O.REG 406 EXCESS SOIL MSPLP PREP (SOIL)

Bureau Veritas ID		AQMI66	AQMI67	AQMI68	AQMI69	
Sampling Date		2025/04/29 11:08	2025/04/29 09:45	2025/04/28 14:22	2025/04/29 08:43	
COC Number		1038432-38-01	1038432-38-01	1038432-38-01	1038432-38-01	
	UNITS	BH-1 SS2 0.76-1.37M	BH-2 SS2 0.76-1.37M	BH-3 SS2 0.76-1.37M	BH-4 SS3 1.52-2.13M	QC Batch
Inorganics						
Dry Weight	g	100	100	100	100	9922387
QC Batch = Quality Control Batch						

Bureau Veritas ID		AQMI71	
Sampling Date		2025/04/28 09:07	
COC Number		1038432-38-01	
	UNITS	BH-6 SS3 1.52-2.13M	QC Batch
Inorganics			
Dry Weight	g	100	9922387
QC Batch = Quality Control Batch			



**BUREAU
VERITAS**

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		AQMI66	AQMI67	AQMI68	AQMI69		
Sampling Date		2025/04/29 11:08	2025/04/29 09:45	2025/04/28 14:22	2025/04/29 08:43		
COC Number		1038432-38-01	1038432-38-01	1038432-38-01	1038432-38-01		
	UNITS	BH-1 SS2 0.76-1.37M	BH-2 SS2 0.76-1.37M	BH-3 SS2 0.76-1.37M	BH-4 SS3 1.52-2.13M	RDL	QC Batch

Inorganics							
Moisture	%	14	12	14	12	1.0	9921705
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							

Bureau Veritas ID		AQMI70	AQMI71	AQMI72	AQMI73		
Sampling Date		2025/04/29 08:43	2025/04/28 09:07	2025/04/29 11:25	2025/04/29 10:04		
COC Number		1038432-38-01	1038432-38-01	1038432-38-01	1038432-38-01		
	UNITS	BH-4 (DUP) SS3 1.52-2.13M	BH-6 SS3 1.52-2.13M	BH-1 SS5 3.05-3.66M	BH-2 SS5 3.05-3.66M	RDL	QC Batch

Inorganics							
Moisture	%	10	15	8.2	7.1	1.0	9921705
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							

Bureau Veritas ID		AQMI74	AQMI75	AQMI76	AQMI77		
Sampling Date		2025/04/29 14:34	2025/04/29 08:57	2025/04/29 12:44	2025/04/28 09:16		
COC Number		1038432-38-01	1038432-38-01	1038432-37-01	1038432-37-01		
	UNITS	BH-3 SS5 3.05-3.66M	BH-4 SS5 3.05-3.66M	BH-5 SS5 3.05-3.66M	BH-6 SS5 3.05-3.66M	RDL	QC Batch

Inorganics							
Moisture	%	18	7.8	8.2	10	1.0	9921705
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



**BUREAU
VERITAS**

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

TEST SUMMARY

Bureau Veritas ID: AQMI66
Sample ID: BH-1 SS2 0.76-1.37M
Matrix: Soil

Collected: 2025/04/29
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9921412	N/A	2025/05/07	Automated Statchk
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John
Free (WAD) Cyanide	TECH	9923637	2025/05/07	2025/05/07	Jency Sara Johnson
Conductivity	AT	9923281	2025/05/06	2025/05/06	Kien Tran
Hexavalent Chromium in Soil by IC	IC/SPEC	9923692	2025/05/07	2025/05/07	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9924270	N/A	2025/05/08	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9923718	2025/05/07	2025/05/07	Jeevaraj Jeevaratnam
Acid Extractable Metals by ICPMS	ICP/MS	9923313	2025/05/06	2025/05/06	Daniel Teclu
Total Metals in SPLP Leachate by ICPMS	ICP/MS	9923282	2025/05/06	2025/05/06	Nan Raykha
Moisture	BAL	9921705	N/A	2025/05/03	Raj Patel
Modified SPLP extraction - Weight		9922387	N/A	2025/05/06	Abdul Rahman Mohammed
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9923621	2025/05/07	2025/05/07	Joan Jin
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz
Sodium Adsorption Ratio (SAR)	CALC/MET	9921394	N/A	2025/05/07	Automated Statchk

Bureau Veritas ID: AQMI67
Sample ID: BH-2 SS2 0.76-1.37M
Matrix: Soil

Collected: 2025/04/29
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9921412	N/A	2025/05/07	Automated Statchk
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John
Free (WAD) Cyanide	TECH	9923637	2025/05/07	2025/05/07	Jency Sara Johnson
Conductivity	AT	9923281	2025/05/06	2025/05/06	Kien Tran
Hexavalent Chromium in Soil by IC	IC/SPEC	9923692	2025/05/07	2025/05/07	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9924270	N/A	2025/05/08	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9923718	2025/05/07	2025/05/07	Jeevaraj Jeevaratnam
Acid Extractable Metals by ICPMS	ICP/MS	9923313	2025/05/06	2025/05/06	Daniel Teclu
Total Metals in SPLP Leachate by ICPMS	ICP/MS	9923282	2025/05/06	2025/05/06	Nan Raykha
Moisture	BAL	9921705	N/A	2025/05/03	Raj Patel
Modified SPLP extraction - Weight		9922387	N/A	2025/05/06	Abdul Rahman Mohammed
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9923621	2025/05/07	2025/05/07	Joan Jin
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz
Sodium Adsorption Ratio (SAR)	CALC/MET	9921394	N/A	2025/05/07	Automated Statchk

Bureau Veritas ID: AQMI67 Dup
Sample ID: BH-2 SS2 0.76-1.37M
Matrix: Soil

Collected: 2025/04/29
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John



**BUREAU
VERITAS**

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

TEST SUMMARY

Bureau Veritas ID: AQMI68
Sample ID: BH-3 SS2 0.76-1.37M
Matrix: Soil

Collected: 2025/04/28
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9921412	N/A	2025/05/08	Automated Statchk
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John
Free (WAD) Cyanide	TECH	9923637	2025/05/07	2025/05/07	Jency Sara Johnson
Conductivity	AT	9923281	2025/05/06	2025/05/06	Kien Tran
Hexavalent Chromium in Soil by IC	IC/SPEC	9923692	2025/05/07	2025/05/07	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9924270	N/A	2025/05/08	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9923718	2025/05/07	2025/05/07	Jeevaraj Jeevaratnam
Acid Extractable Metals by ICPMS	ICP/MS	9923313	2025/05/06	2025/05/06	Daniel Teclu
Total Metals in SPLP Leachate by ICPMS	ICP/MS	9923282	2025/05/06	2025/05/07	Nan Raykha
Moisture	BAL	9921705	N/A	2025/05/03	Raj Patel
Modified SPLP extraction - Weight		9922387	N/A	2025/05/06	Abdul Rahman Mohammed
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9923621	2025/05/07	2025/05/07	Joan Jin
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz
Sodium Adsorption Ratio (SAR)	CALC/MET	9921394	N/A	2025/05/07	Automated Statchk

Bureau Veritas ID: AQMI69
Sample ID: BH-4 SS3 1.52-2.13M
Matrix: Soil

Collected: 2025/04/29
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9921412	N/A	2025/05/08	Automated Statchk
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John
Free (WAD) Cyanide	TECH	9923637	2025/05/07	2025/05/07	Jency Sara Johnson
Conductivity	AT	9923281	2025/05/06	2025/05/06	Kien Tran
Hexavalent Chromium in Soil by IC	IC/SPEC	9923692	2025/05/07	2025/05/07	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9924270	N/A	2025/05/08	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9923718	2025/05/07	2025/05/07	Jeevaraj Jeevaratnam
Acid Extractable Metals by ICPMS	ICP/MS	9923313	2025/05/06	2025/05/06	Daniel Teclu
Total Metals in SPLP Leachate by ICPMS	ICP/MS	9923282	2025/05/06	2025/05/06	Nan Raykha
Moisture	BAL	9921705	N/A	2025/05/03	Raj Patel
Modified SPLP extraction - Weight		9922387	N/A	2025/05/06	Abdul Rahman Mohammed
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9923621	2025/05/07	2025/05/07	Joan Jin
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz
Sodium Adsorption Ratio (SAR)	CALC/MET	9921394	N/A	2025/05/07	Automated Statchk

Bureau Veritas ID: AQMI70
Sample ID: BH-4 (DUP) SS3 1.52-2.13M
Matrix: Soil

Collected: 2025/04/29
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9921412	N/A	2025/05/08	Automated Statchk
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John
Free (WAD) Cyanide	TECH	9923637	2025/05/07	2025/05/07	Jency Sara Johnson
Conductivity	AT	9923281	2025/05/06	2025/05/06	Kien Tran



**BUREAU
VERITAS**

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

TEST SUMMARY

Bureau Veritas ID: AQMI70
Sample ID: BH-4 (DUP) SS3 1.52-2.13M
Matrix: Soil

Collected: 2025/04/29
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hexavalent Chromium in Soil by IC	IC/SPEC	9923692	2025/05/07	2025/05/07	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9924270	N/A	2025/05/08	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9923718	2025/05/07	2025/05/07	Jeevaraj Jeevaratnam
Acid Extractable Metals by ICPMS	ICP/MS	9923313	2025/05/06	2025/05/06	Daniel Teclu
Moisture	BAL	9921705	N/A	2025/05/03	Raj Patel
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9923621	2025/05/07	2025/05/07	Joan Jin
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz
Sodium Adsorption Ratio (SAR)	CALC/MET	9921394	N/A	2025/05/07	Automated Statchk

Bureau Veritas ID: AQMI71
Sample ID: BH-6 SS3 1.52-2.13M
Matrix: Soil

Collected: 2025/04/28
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9921412	N/A	2025/05/08	Automated Statchk
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John
Free (WAD) Cyanide	TECH	9923695	2025/05/07	2025/05/07	Jency Sara Johnson
Conductivity	AT	9923281	2025/05/06	2025/05/06	Kien Tran
Hexavalent Chromium in Soil by IC	IC/SPEC	9923697	2025/05/07	2025/05/07	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9924270	N/A	2025/05/08	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9923718	2025/05/07	2025/05/07	Jeevaraj Jeevaratnam
Acid Extractable Metals by ICPMS	ICP/MS	9923781	2025/05/07	2025/05/07	Jaswinder Kaur
Total Metals in SPLP Leachate by ICPMS	ICP/MS	9923282	2025/05/06	2025/05/06	Nan Raykha
Moisture	BAL	9921705	N/A	2025/05/03	Raj Patel
Modified SPLP extraction - Weight		9922387	N/A	2025/05/06	Abdul Rahman Mohammed
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9923621	2025/05/07	2025/05/07	Joan Jin
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz
Sodium Adsorption Ratio (SAR)	CALC/MET	9921394	N/A	2025/05/07	Automated Statchk

Bureau Veritas ID: AQMI72
Sample ID: BH-1 SS5 3.05-3.66M
Matrix: Soil

Collected: 2025/04/29
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John
Free (WAD) Cyanide	TECH	9923637	2025/05/07	2025/05/07	Jency Sara Johnson
Conductivity	AT	9923281	2025/05/06	2025/05/06	Kien Tran
Hexavalent Chromium in Soil by IC	IC/SPEC	9923692	2025/05/07	2025/05/07	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9924270	N/A	2025/05/08	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9923718	2025/05/07	2025/05/07	Jeevaraj Jeevaratnam
Acid Extractable Metals by ICPMS	ICP/MS	9923313	2025/05/06	2025/05/06	Daniel Teclu
Moisture	BAL	9921705	N/A	2025/05/03	Raj Patel
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz
Sodium Adsorption Ratio (SAR)	CALC/MET	9921394	N/A	2025/05/07	Automated Statchk



**BUREAU
VERITAS**

Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

TEST SUMMARY

Bureau Veritas ID: AQMI73
Sample ID: BH-2 SS5 3.05-3.66M
Matrix: Soil

Collected: 2025/04/29
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John
Free (WAD) Cyanide	TECH	9923637	2025/05/07	2025/05/07	Jency Sara Johnson
Conductivity	AT	9923666	2025/05/07	2025/05/07	Gurpartee KAUAR
Hexavalent Chromium in Soil by IC	IC/SPEC	9923692	2025/05/07	2025/05/07	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9924270	N/A	2025/05/08	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9923718	2025/05/07	2025/05/07	Jeevaraj Jeevaratnam
Acid Extractable Metals by ICPMS	ICP/MS	9923313	2025/05/06	2025/05/06	Daniel Teclu
Moisture	BAL	9921705	N/A	2025/05/03	Raj Patel
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz
Sodium Adsorption Ratio (SAR)	CALC/MET	9921394	N/A	2025/05/08	Automated Statchk

Bureau Veritas ID: AQMI74
Sample ID: BH-3 SS5 3.05-3.66M
Matrix: Soil

Collected: 2025/04/29
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John
Free (WAD) Cyanide	TECH	9923637	2025/05/07	2025/05/07	Jency Sara Johnson
Conductivity	AT	9923281	2025/05/06	2025/05/06	Kien Tran
Hexavalent Chromium in Soil by IC	IC/SPEC	9923692	2025/05/07	2025/05/07	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9924270	N/A	2025/05/08	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9923718	2025/05/07	2025/05/07	Jeevaraj Jeevaratnam
Acid Extractable Metals by ICPMS	ICP/MS	9923313	2025/05/06	2025/05/06	Daniel Teclu
Moisture	BAL	9921705	N/A	2025/05/03	Raj Patel
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz
Sodium Adsorption Ratio (SAR)	CALC/MET	9921394	N/A	2025/05/07	Automated Statchk

Bureau Veritas ID: AQMI75
Sample ID: BH-4 SS5 3.05-3.66M
Matrix: Soil

Collected: 2025/04/29
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John
Free (WAD) Cyanide	TECH	9923637	2025/05/07	2025/05/07	Jency Sara Johnson
Conductivity	AT	9923281	2025/05/06	2025/05/06	Kien Tran
Hexavalent Chromium in Soil by IC	IC/SPEC	9923692	2025/05/07	2025/05/07	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9924270	N/A	2025/05/08	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9923718	2025/05/07	2025/05/07	Jeevaraj Jeevaratnam
Acid Extractable Metals by ICPMS	ICP/MS	9923313	2025/05/06	2025/05/06	Daniel Teclu
Moisture	BAL	9921705	N/A	2025/05/03	Raj Patel
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz
Sodium Adsorption Ratio (SAR)	CALC/MET	9921394	N/A	2025/05/07	Automated Statchk



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Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

TEST SUMMARY

Bureau Veritas ID: AQMI76
Sample ID: BH-5 SS5 3.05-3.66M
Matrix: Soil

Collected: 2025/04/29
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John
Free (WAD) Cyanide	TECH	9923695	2025/05/07	2025/05/07	Jency Sara Johnson
Conductivity	AT	9923281	2025/05/06	2025/05/06	Kien Tran
Hexavalent Chromium in Soil by IC	IC/SPEC	9923692	2025/05/07	2025/05/07	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9924270	N/A	2025/05/08	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9923718	2025/05/07	2025/05/07	Jeevaraj Jeevaratnam
Acid Extractable Metals by ICPMS	ICP/MS	9923313	2025/05/06	2025/05/06	Daniel Teclu
Moisture	BAL	9921705	N/A	2025/05/03	Raj Patel
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz
Sodium Adsorption Ratio (SAR)	CALC/MET	9921394	N/A	2025/05/07	Automated Statchk

Bureau Veritas ID: AQMI76 Dup
Sample ID: BH-5 SS5 3.05-3.66M
Matrix: Soil

Collected: 2025/04/29
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Free (WAD) Cyanide	TECH	9923695	2025/05/07	2025/05/07	Jency Sara Johnson
Hexavalent Chromium in Soil by IC	IC/SPEC	9923692	2025/05/07	2025/05/07	Rupinder Sihota

Bureau Veritas ID: AQMI77
Sample ID: BH-6 SS5 3.05-3.66M
Matrix: Soil

Collected: 2025/04/28
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9923813	2025/05/07	2025/05/07	Jolly John
Free (WAD) Cyanide	TECH	9923637	2025/05/07	2025/05/07	Jency Sara Johnson
Conductivity	AT	9923281	2025/05/06	2025/05/06	Kien Tran
Hexavalent Chromium in Soil by IC	IC/SPEC	9923692	2025/05/07	2025/05/07	Rupinder Sihota
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9924270	N/A	2025/05/08	Anca Ganea
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9923718	2025/05/07	2025/05/07	Jeevaraj Jeevaratnam
Acid Extractable Metals by ICPMS	ICP/MS	9923313	2025/05/06	2025/05/06	Daniel Teclu
Moisture	BAL	9921705	N/A	2025/05/03	Raj Patel
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz
Sodium Adsorption Ratio (SAR)	CALC/MET	9921394	N/A	2025/05/07	Automated Statchk

Bureau Veritas ID: AQMI77 Dup
Sample ID: BH-6 SS5 3.05-3.66M
Matrix: Soil

Collected: 2025/04/28
Shipped:
Received: 2025/05/01

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH CaCl2 EXTRACT	AT	9923770	2025/05/07	2025/05/07	Sohail Parvaiz



GENERAL COMMENTS

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

Package 1	3.0°C
Package 2	3.3°C

F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Results relate only to the items tested.

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Bureau Veritas Job #: C549489

Report Date: 2025/05/09

QUALITY ASSURANCE REPORT

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		Leachate Blank	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	Value	UNITS
9923621	D10-Anthracene	2025/05/07	88	50 - 130	94	50 - 130	96	%				
9923621	D14-Terphenyl (FS)	2025/05/07	101	50 - 130	105	50 - 130	106	%				
9923621	D8-Acenaphthylene	2025/05/07	88	50 - 130	91	50 - 130	90	%				
9923718	o-Terphenyl	2025/05/07	98	60 - 140	99	60 - 140	100	%				
9924270	1,4-Difluorobenzene	2025/05/08	101	60 - 140	99	60 - 140	105	%				
9924270	4-Bromofluorobenzene	2025/05/08	102	60 - 140	99	60 - 140	100	%				
9924270	D10-o-Xylene	2025/05/08	91	60 - 140	100	60 - 140	81	%				
9924270	D4-1,2-Dichloroethane	2025/05/08	99	60 - 140	109	60 - 140	102	%				
9921705	Moisture	2025/05/03							3.4	20		
9923281	Conductivity	2025/05/06			103	90 - 110	<0.002	mS/cm	3.0	10		
9923282	Leachable (SPLP) Antimony (Sb)	2025/05/06	97	80 - 120	96	80 - 120	<0.5	ug/L	6.4	35	<0.5	ug/L
9923282	Leachable (SPLP) Arsenic (As)	2025/05/06	96	80 - 120	98	80 - 120	<1	ug/L	2.7	35	<1	ug/L
9923282	Leachable (SPLP) Barium (Ba)	2025/05/06	91	80 - 120	92	80 - 120	<5	ug/L	NC	35	<5	ug/L
9923282	Leachable (SPLP) Beryllium (Be)	2025/05/06	96	80 - 120	97	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
9923282	Leachable (SPLP) Boron (B)	2025/05/06	88	80 - 120	89	80 - 120	<10	ug/L	1.3	35	<10	ug/L
9923282	Leachable (SPLP) Cadmium (Cd)	2025/05/06	95	80 - 120	94	80 - 120	<0.1	ug/L	NC	35	<0.1	ug/L
9923282	Leachable (SPLP) Chromium (Cr)	2025/05/06	93	80 - 120	94	80 - 120	<5	ug/L	NC	35	<5	ug/L
9923282	Leachable (SPLP) Cobalt (Co)	2025/05/06	88	80 - 120	89	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
9923282	Leachable (SPLP) Copper (Cu)	2025/05/06	90	80 - 120	91	80 - 120	<1	ug/L	NC	35	<1	ug/L
9923282	Leachable (SPLP) Lead (Pb)	2025/05/06	92	80 - 120	92	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
9923282	Leachable (SPLP) Molybdenum (Mo)	2025/05/06	90	80 - 120	90	80 - 120	<1	ug/L	2.2	35	<1	ug/L
9923282	Leachable (SPLP) Nickel (Ni)	2025/05/06	90	80 - 120	91	80 - 120	<1	ug/L	NC	35	<1	ug/L
9923282	Leachable (SPLP) Selenium (Se)	2025/05/06	96	80 - 120	97	80 - 120	<2	ug/L	NC	35	<2	ug/L
9923282	Leachable (SPLP) Silver (Ag)	2025/05/06	89	80 - 120	90	80 - 120	<0.1	ug/L	0.95	35	<0.1	ug/L
9923282	Leachable (SPLP) Thallium (Tl)	2025/05/06	94	80 - 120	93	80 - 120	<0.05	ug/L	7.7	35	<0.05	ug/L
9923282	Leachable (SPLP) Uranium (U)	2025/05/06	98	80 - 120	97	80 - 120	<0.1	ug/L	3.6	35	<0.1	ug/L
9923282	Leachable (SPLP) Vanadium (V)	2025/05/06	91	80 - 120	93	80 - 120	<1	ug/L	NC	35	<1	ug/L
9923282	Leachable (SPLP) Zinc (Zn)	2025/05/06	95	80 - 120	97	80 - 120	<5	ug/L	NC	35	<5	ug/L
9923313	Acid Extractable Antimony (Sb)	2025/05/06	101	75 - 125	106	80 - 120	<0.20	ug/g	NC	30		
9923313	Acid Extractable Arsenic (As)	2025/05/06	100	75 - 125	100	80 - 120	<1.0	ug/g	NC	30		
9923313	Acid Extractable Barium (Ba)	2025/05/06	96	75 - 125	100	80 - 120	<0.50	ug/g	7.6	30		



**BUREAU
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Bureau Veritas Job #: C549489

Report Date: 2025/05/09

QUALITY ASSURANCE REPORT(CONT'D)

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		Leachate Blank	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	Value	UNITS
9923313	Acid Extractable Beryllium (Be)	2025/05/06	98	75 - 125	99	80 - 120	<0.20	ug/g	NC	30		
9923313	Acid Extractable Boron (B)	2025/05/06	92	75 - 125	106	80 - 120	<5.0	ug/g	NC	30		
9923313	Acid Extractable Cadmium (Cd)	2025/05/06	98	75 - 125	103	80 - 120	<0.10	ug/g	NC	30		
9923313	Acid Extractable Chromium (Cr)	2025/05/06	104	75 - 125	104	80 - 120	<1.0	ug/g	4.9	30		
9923313	Acid Extractable Cobalt (Co)	2025/05/06	102	75 - 125	106	80 - 120	<0.10	ug/g	2.5	30		
9923313	Acid Extractable Copper (Cu)	2025/05/06	96	75 - 125	100	80 - 120	<0.50	ug/g	2.8	30		
9923313	Acid Extractable Lead (Pb)	2025/05/06	99	75 - 125	105	80 - 120	<1.0	ug/g	3.6	30		
9923313	Acid Extractable Mercury (Hg)	2025/05/06	98	75 - 125	109	80 - 120	<0.050	ug/g	NC	30		
9923313	Acid Extractable Molybdenum (Mo)	2025/05/06	95	75 - 125	101	80 - 120	<0.50	ug/g	NC	30		
9923313	Acid Extractable Nickel (Ni)	2025/05/06	102	75 - 125	107	80 - 120	<0.50	ug/g	1.8	30		
9923313	Acid Extractable Selenium (Se)	2025/05/06	101	75 - 125	100	80 - 120	<0.50	ug/g	NC	30		
9923313	Acid Extractable Silver (Ag)	2025/05/06	98	75 - 125	104	80 - 120	<0.20	ug/g	NC	30		
9923313	Acid Extractable Thallium (Tl)	2025/05/06	101	75 - 125	107	80 - 120	<0.050	ug/g	NC	30		
9923313	Acid Extractable Uranium (U)	2025/05/06	103	75 - 125	108	80 - 120	<0.050	ug/g	6.1	30		
9923313	Acid Extractable Vanadium (V)	2025/05/06	103	75 - 125	105	80 - 120	<5.0	ug/g	8.0	30		
9923313	Acid Extractable Zinc (Zn)	2025/05/06	106	75 - 125	108	80 - 120	<5.0	ug/g	5.3	30		
9923621	1-Methylnaphthalene	2025/05/07	97	50 - 130	104	50 - 130	<0.0050	ug/g	NC	40		
9923621	2-Methylnaphthalene	2025/05/07	98	50 - 130	104	50 - 130	<0.0050	ug/g	NC	40		
9923621	Acenaphthene	2025/05/07	95	50 - 130	101	50 - 130	<0.0050	ug/g	NC	40		
9923621	Acenaphthylene	2025/05/07	90	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40		
9923621	Anthracene	2025/05/07	96	50 - 130	103	50 - 130	<0.0050	ug/g	3.1	40		
9923621	Benzo(a)anthracene	2025/05/07	112	50 - 130	115	50 - 130	<0.0050	ug/g	NC	40		
9923621	Benzo(a)pyrene	2025/05/07	87	50 - 130	92	50 - 130	<0.0050	ug/g	NC	40		
9923621	Benzo(b,j)fluoranthene	2025/05/07	95	50 - 130	101	50 - 130	<0.0050	ug/g	NC	40		
9923621	Benzo(g,h,i)perylene	2025/05/07	92	50 - 130	99	50 - 130	<0.0050	ug/g	NC	40		
9923621	Benzo(k)fluoranthene	2025/05/07	85	50 - 130	90	50 - 130	<0.0050	ug/g	NC	40		
9923621	Biphenyl	2025/05/07	98	50 - 130	104	50 - 130	<0.0050	ug/g	NC	40		
9923621	Chrysene	2025/05/07	118	50 - 130	120	50 - 130	<0.0050	ug/g	2.3	40		
9923621	Dibenzo(a,h)anthracene	2025/05/07	88	50 - 130	87	50 - 130	<0.0050	ug/g	NC	40		
9923621	Fluoranthene	2025/05/07	96	50 - 130	99	50 - 130	<0.0050	ug/g	NC	40		
9923621	Fluorene	2025/05/07	99	50 - 130	102	50 - 130	<0.0050	ug/g	NC	40		

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Bureau Veritas Job #: C549489

Report Date: 2025/05/09

QUALITY ASSURANCE REPORT(CONT'D)

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		Leachate Blank	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	Value	UNITS
9923621	Indeno(1,2,3-cd)pyrene	2025/05/07	95	50 - 130	104	50 - 130	<0.0050	ug/g	NC	40		
9923621	Naphthalene	2025/05/07	90	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40		
9923621	Phenanthrene	2025/05/07	92	50 - 130	95	50 - 130	<0.0050	ug/g	4.9	40		
9923621	Pyrene	2025/05/07	95	50 - 130	99	50 - 130	<0.0050	ug/g	NC	40		
9923637	WAD Cyanide (Free)	2025/05/07	88	75 - 125	93	80 - 120	<0.01	ug/g	NC	35		
9923666	Conductivity	2025/05/07			103	90 - 110	<0.002	mS/cm	3.4	10		
9923692	Chromium (VI)	2025/05/07	86	70 - 130	88	80 - 120	<0.18	ug/g	NC	35		
9923695	WAD Cyanide (Free)	2025/05/07	90	75 - 125	95	80 - 120	<0.01	ug/g	NC	35		
9923697	Chromium (VI)	2025/05/07	89	70 - 130	92	80 - 120	<0.18	ug/g	7.7	35		
9923718	F2 (C10-C16 Hydrocarbons)	2025/05/07	98	60 - 140	99	80 - 120	<7.0	ug/g	3.8	30		
9923718	F3 (C16-C34 Hydrocarbons)	2025/05/07	101	60 - 140	103	80 - 120	<50	ug/g	NC	30		
9923718	F4 (C34-C50 Hydrocarbons)	2025/05/07	100	60 - 140	103	80 - 120	<50	ug/g	NC	30		
9923770	Available (CaCl2) pH	2025/05/07			100	97 - 103			0.11	N/A		
9923781	Acid Extractable Antimony (Sb)	2025/05/07	104	75 - 125	102	80 - 120	<0.20	ug/g	NC	30		
9923781	Acid Extractable Arsenic (As)	2025/05/07	110	75 - 125	101	80 - 120	<1.0	ug/g	6.7	30		
9923781	Acid Extractable Barium (Ba)	2025/05/07	NC	75 - 125	94	80 - 120	<0.50	ug/g	4.1	30		
9923781	Acid Extractable Beryllium (Be)	2025/05/07	105	75 - 125	95	80 - 120	<0.20	ug/g	2.4	30		
9923781	Acid Extractable Boron (B)	2025/05/07	100	75 - 125	93	80 - 120	<5.0	ug/g	NC	30		
9923781	Acid Extractable Cadmium (Cd)	2025/05/07	108	75 - 125	100	80 - 120	<0.10	ug/g	8.3	30		
9923781	Acid Extractable Chromium (Cr)	2025/05/07	104	75 - 125	96	80 - 120	<1.0	ug/g	7.8	30		
9923781	Acid Extractable Cobalt (Co)	2025/05/07	108	75 - 125	98	80 - 120	<0.10	ug/g	3.3	30		
9923781	Acid Extractable Copper (Cu)	2025/05/07	102	75 - 125	94	80 - 120	<0.50	ug/g	5.1	30		
9923781	Acid Extractable Lead (Pb)	2025/05/07	100	75 - 125	97	80 - 120	<1.0	ug/g	20	30		
9923781	Acid Extractable Mercury (Hg)	2025/05/07	104	75 - 125	106	80 - 120	<0.050	ug/g	NC	30		
9923781	Acid Extractable Molybdenum (Mo)	2025/05/07	103	75 - 125	94	80 - 120	<0.50	ug/g	13	30		
9923781	Acid Extractable Nickel (Ni)	2025/05/07	108	75 - 125	101	80 - 120	<0.50	ug/g	3.9	30		
9923781	Acid Extractable Selenium (Se)	2025/05/07	109	75 - 125	103	80 - 120	<0.50	ug/g	NC	30		
9923781	Acid Extractable Silver (Ag)	2025/05/07	107	75 - 125	100	80 - 120	<0.20	ug/g	NC	30		
9923781	Acid Extractable Thallium (Tl)	2025/05/07	108	75 - 125	100	80 - 120	<0.050	ug/g	16	30		
9923781	Acid Extractable Uranium (U)	2025/05/07	111	75 - 125	102	80 - 120	<0.050	ug/g	3.7	30		
9923781	Acid Extractable Vanadium (V)	2025/05/07	NC	75 - 125	97	80 - 120	<5.0	ug/g	2.2	30		

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Bureau Veritas Job #: C549489

Report Date: 2025/05/09

QUALITY ASSURANCE REPORT(CONT'D)

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD		Leachate Blank	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	Value	UNITS
9923781	Acid Extractable Zinc (Zn)	2025/05/07	NC	75 - 125	102	80 - 120	<5.0	ug/g	4.1	30		
9923813	Hot Water Ext. Boron (B)	2025/05/07	124	75 - 125	113	75 - 125	<0.050	ug/g	0.94	40		
9924270	Benzene	2025/05/08	79	50 - 140	96	50 - 140	<0.020	ug/g	NC	50		
9924270	Ethylbenzene	2025/05/08	85	50 - 140	99	50 - 140	<0.020	ug/g	NC	50		
9924270	F1 (C6-C10) - BTEX	2025/05/08					<10	ug/g	NC	30		
9924270	F1 (C6-C10)	2025/05/08	86	60 - 140	98	80 - 120	<10	ug/g	NC	30		
9924270	o-Xylene	2025/05/08	83	50 - 140	98	50 - 140	<0.020	ug/g	NC	50		
9924270	p+m-Xylene	2025/05/08	81	50 - 140	91	50 - 140	<0.040	ug/g	NC	50		
9924270	Toluene	2025/05/08	76	50 - 140	90	50 - 140	<0.020	ug/g	NC	50		
9924270	Total Xylenes	2025/05/08					<0.040	ug/g	NC	50		

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.

Leachate Blank: A blank matrix containing all reagents used in the leaching procedure. Used to determine any process contamination.

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).



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Bureau Veritas Job #: C549489

Report Date: 2025/05/09

Exp Services Inc

Client Project #: BRM-23007484-H0

Site Location: 409 CENTRE ST S.

Sampler Initials: ZP

VALIDATION SIGNATURE PAGE

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

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.

C549489
2025/05/01 15:40

Bureau Veritas
6740 Campbell Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

CHAIN C

1 of 2



NONT-2025-05-058

Lot #:



INVOICE TO:

Company Name: #17485 Exp Services Inc
Attention: Accounts Payable
Address: 220 Commerce Valley Dr W Suite 500
Markham ON L3T 0A8
Tel: (905) 695-3217 Fax:
Email: AP@exp.com; karen.burke@exp.com

REPORT TO:

Company Name: EXP
Attention: Leo Chai, Stacy Meek
Address: 220 Commerce Valley Dr W
Markham ON, L3T 0A8 Suite 110
Tel: 905.695.3217 Fax:
Email: Leo.Chai@exp.com, Stacy.Meek@exp.com

PROJECT INFORMATION:

Quotation #: C41513
P.O. #: B2025-23007484-H0
Project: 204 CENTUC S6-S
Project Name: 21
Site #: 204
Sampled By: Zahid Patel

COC #:

Project manager:
Patricia Legette

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

Regulation 153 (2011)

☒ Table 1 ☒ Res/Park ☐ Medium/Fine
☒ Table 2 ☐ Ind/Comm ☐ Coarse
☐ Table 3 ☐ Agri/Other ☐ For RSC
☐ Table

Other Regulations

☐ CCME ☐ Sanitary Sewer Bylaw
☐ Reg 558 ☐ Storm Sewer Bylaw
☐ MISA Municipality
☐ PWQO ☐ Reg 406 Table
☐ Other

Special Instructions

Include Criteria on Certificate of Analysis (Y/N)?

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix
1	BH-1	SS2 0.76-1.37 m	2025/04/29	11:08 AM	Soil
2	BH-2	"	"	9:45 AM	"
3	BH-3	"	2025/04/28	2:22 PM	"
4	BH-4	SS3 1.52-2.13 m	2025/04/29	8:43 AM	"
5	BH-4 (Dup)	"	"	"	"
6	BH-6	SS3 1.52-2.13 m	April 28, 2025	9:09 AM	"
7	BH-1	SS5 3.05-3.66 m	2025/04/29	11:25 AM	"
8	BH-2	"	"	10:04 AM	"
9	BH-3	"	"	2:34 PM	"
10	BH-4	"	"	8:57 AM	"

Field Filtered (please circle): Metals / Hg / Cr / V	Metals & Inorganics	BTEX	PHC	PAH	MSLPS Metals
	☒	☒	☒	☒	☒
	☒	☒	☒	☒	☒
	☒	☒	☒	☒	☒
	☒	☒	☒	☒	☒
	☒	☒	☒	☒	☒
	☒	☒	☒	☒	☒
	☒	☒	☒	☒	☒
	☒	☒	☒	☒	☒
	☒	☒	☒	☒	☒

Turnaround Time (TAT) Required:
Please provide advance notice for rush projects

Regular (Standard) TAT:
(will be applied if Rush TAT is not specified): ☒
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)
Date Required: Time Required: ☐
Rush Confirmation Number: (call lab for #)

# of Bottles	Comments

RELINQUISHED BY: (Signature/Print) Zahid Patel,	Date: (YY/MM/DD) 2025/05/01	Time 8:00 AM	RECEIVED BY: (Signature/Print) ASHLEY SARKIS	Date: (YY/MM/DD) 2025/05/01	Time 15:40	# Jars used and not submitted	Laboratory Use Only
							Time Sensitive
							Temperature (°C) on Receipt 2/5/2
							Custody Seal Present
							Intact
							Yes
							No

* 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
3/4/3

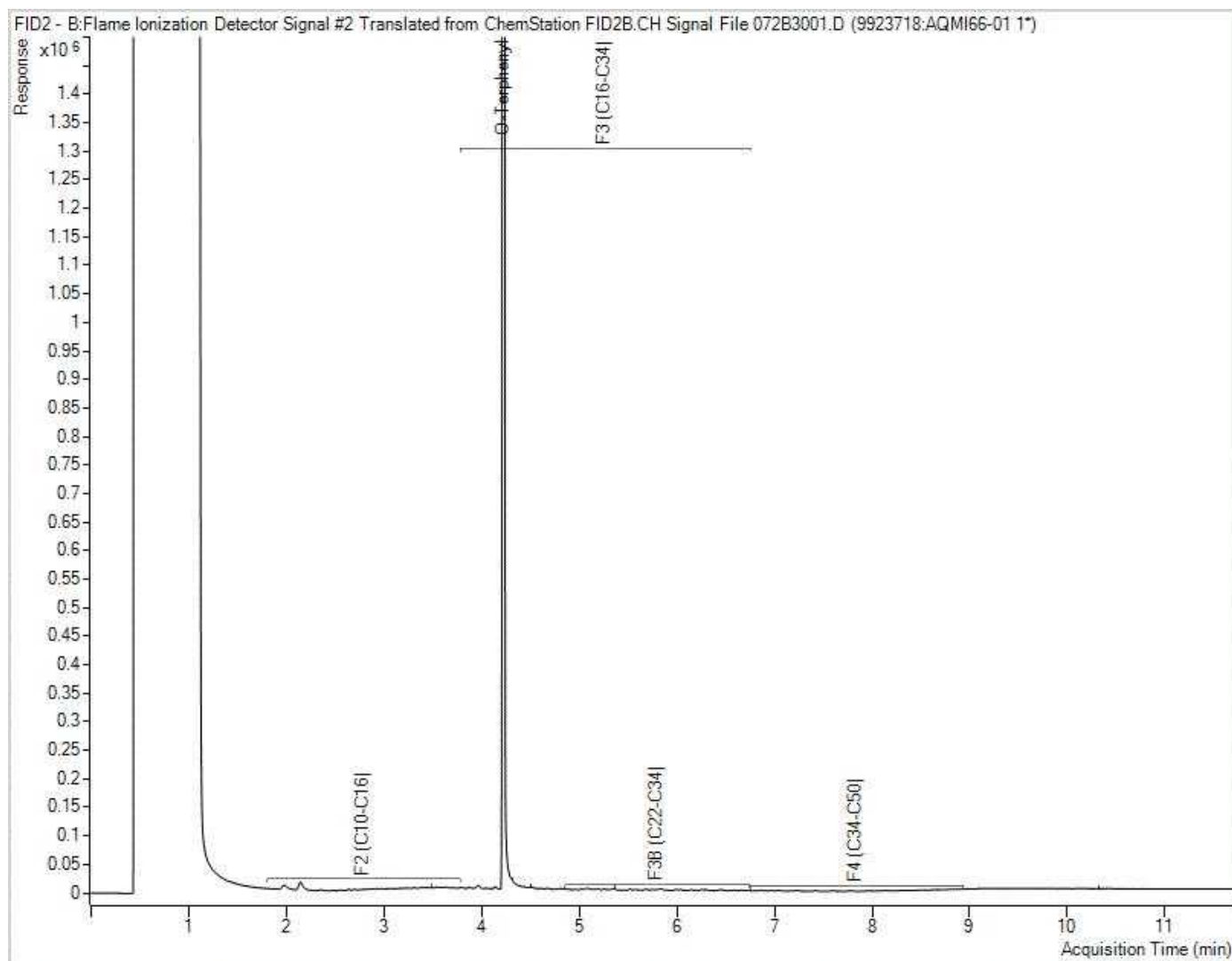
2025/05/01 15:40

Page 7 of 2

CHAIN OF CUSTODY RECORD

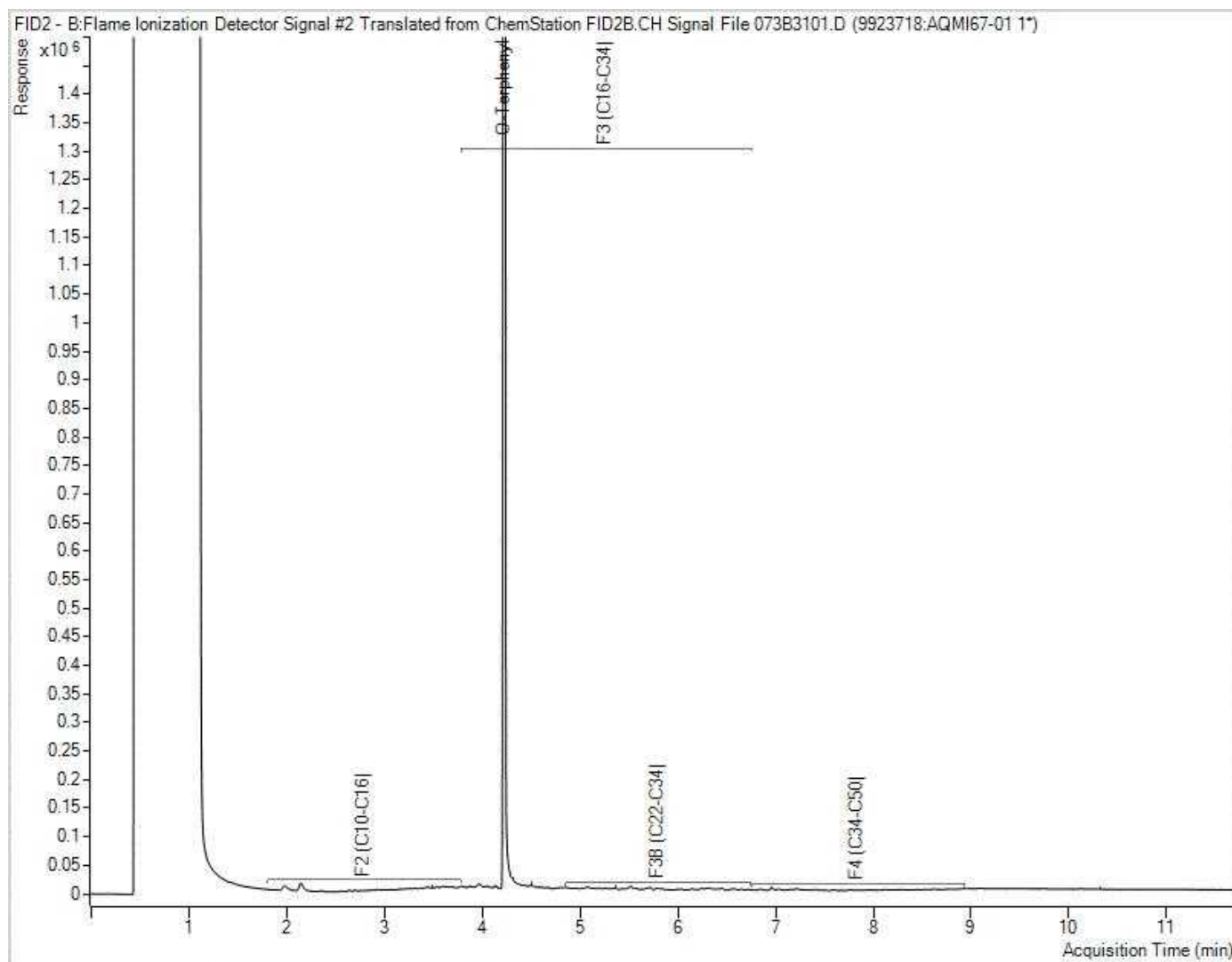
INVOICE TO:			REPORT TO:			PROJECT INFORMATION:			Laboratory Use Only:								
Company Name: #17485 Exp Services Inc			Company Name: EXP			Quotation #: C41513			Bureau Veritas Job #:		Bottle Order #:						
Attention: Accounts Payable			Attention: Leo Chui, Stacy Meek			P.O. #: B2M-23007484-HO					1038432						
Address: 220 Commerce Valley Dr W Suite 500 Markham ON L3T 0A8			Address: 220 Commerce Valley Dr W Markham ON L3T 0A8 Suite 110			Project: 409 Centre St S											
Tel: (905) 695-3217			Tel: 905.695.3217			Project Name: 11			COC #:		Project Manager:						
Email: AP@exp.com; karen.burke@exp.com			Email: leo.chui@exp.com, Stacy.meek@exp.com			Site #:					Patricia Lagette						
						Sampled By: Zahid Patel			CR1038432-37-01								
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY																	
Regulation 153 (2011)			Other Regulations			Special Instructions			Field Filtered (please circle): Metals / Hg / Cr / V Metals R Inorganics BTX PHC								
☒ Table 1 ☒ Res/Park ☐ Medium/Fine ☒ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agrl/Other ☐ For RSC ☐ Table _____			☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality _____ ☐ PWQO ☐ Reg 406 Table _____ ☐ Other _____														
Include Criteria on Certificate of Analysis (Y/N)?																	
Sample Barcode Label		Sample (Location) Identification		Date Sampled	Time Sampled	Matrix											
1 BH-5		SSS 3.05-3.66 m		2025/04/29	12:44 PM	Soil											
2 BH-6		11		2025/04/29	4:16 AM	11											
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
* RELINQUISHED BY: (Signature/Print)			Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)			Date: (YY/MM/DD)	Time	# Jars used and not submitted	Laboratory Use Only						
Zahid Patel			2025/05/01	8:00 AM	See Page 1						Temperature Sensitive	Temperature (°C) on Receipt	Custody Seal Present	Yes	No		
* 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



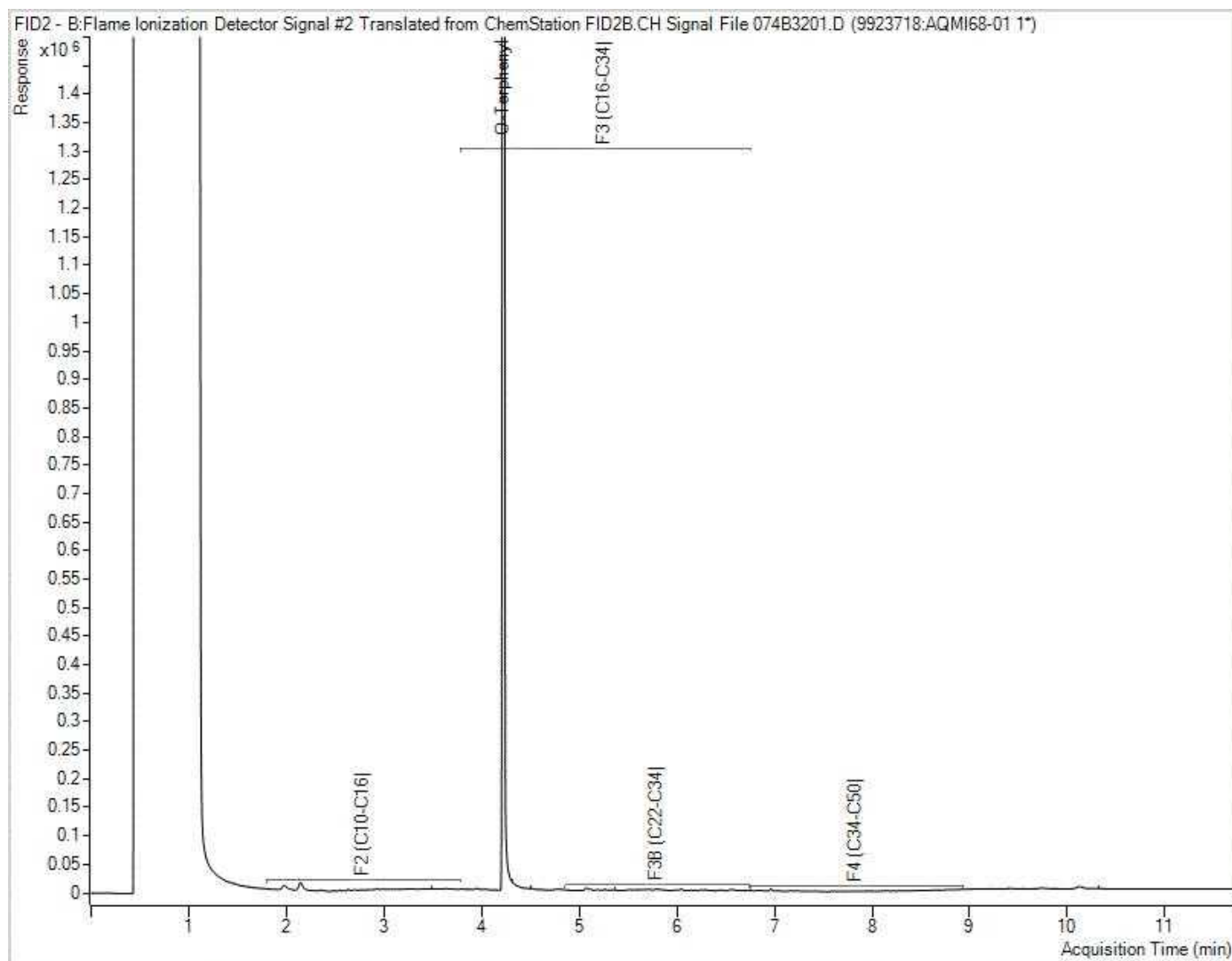
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



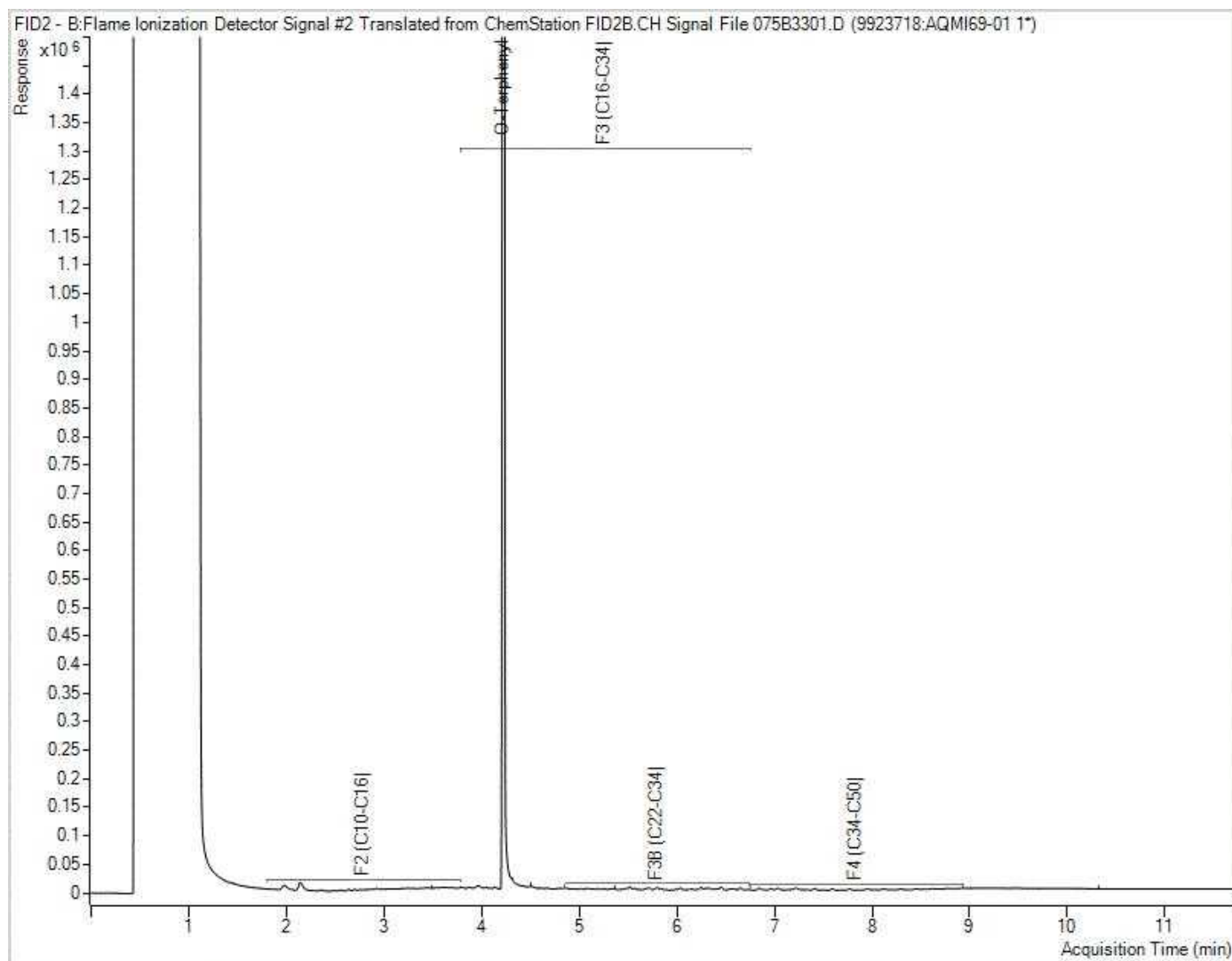
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Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



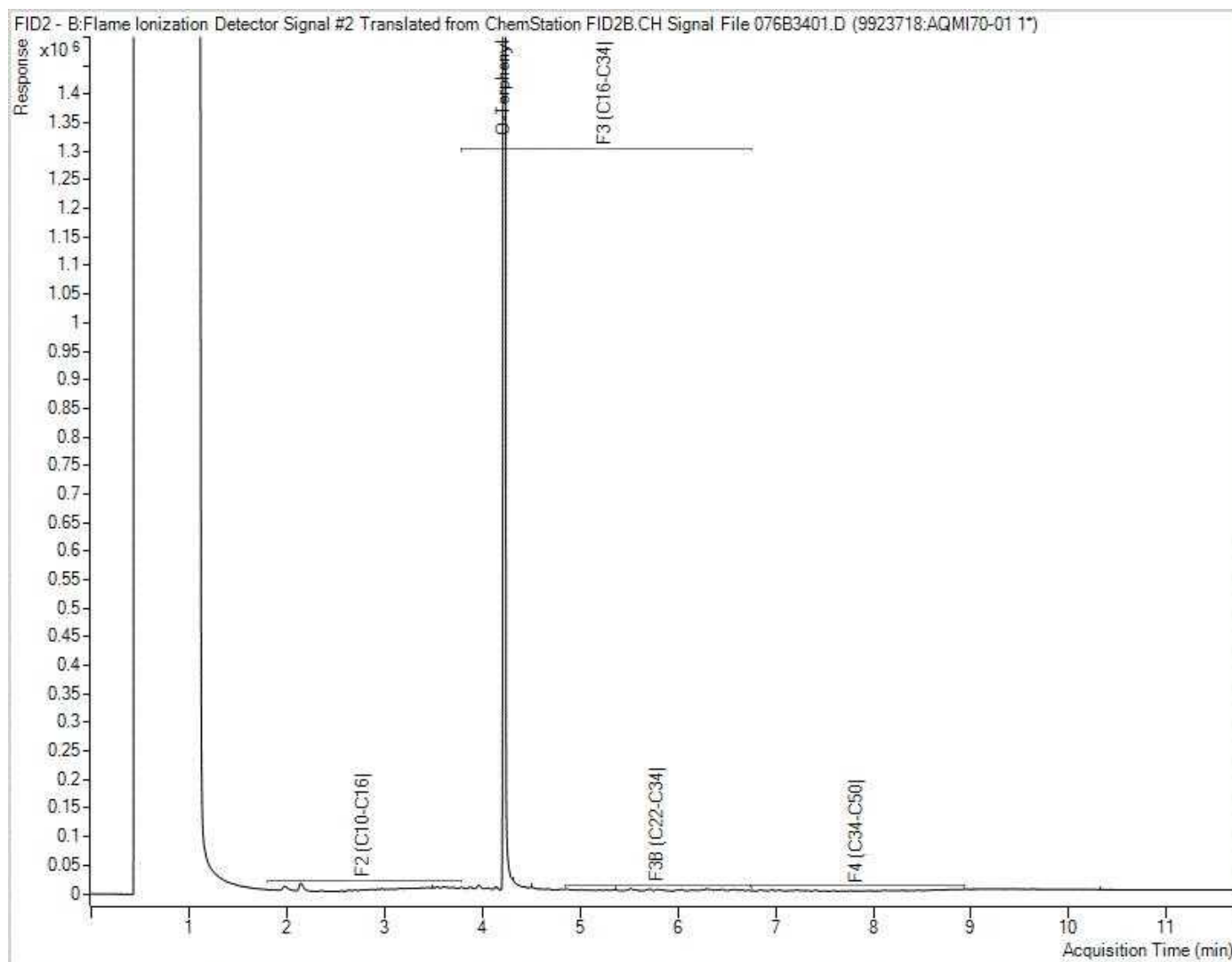
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



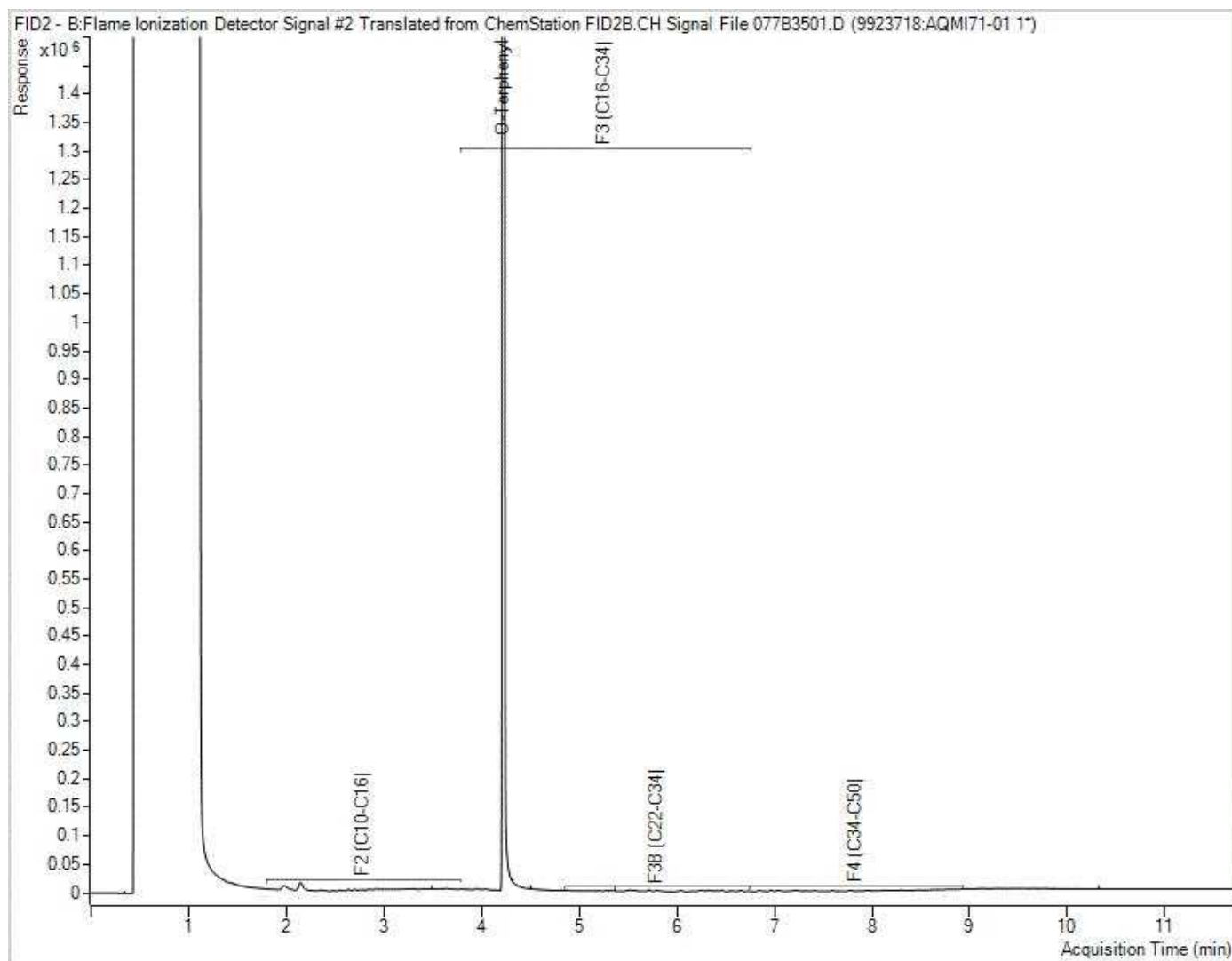
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



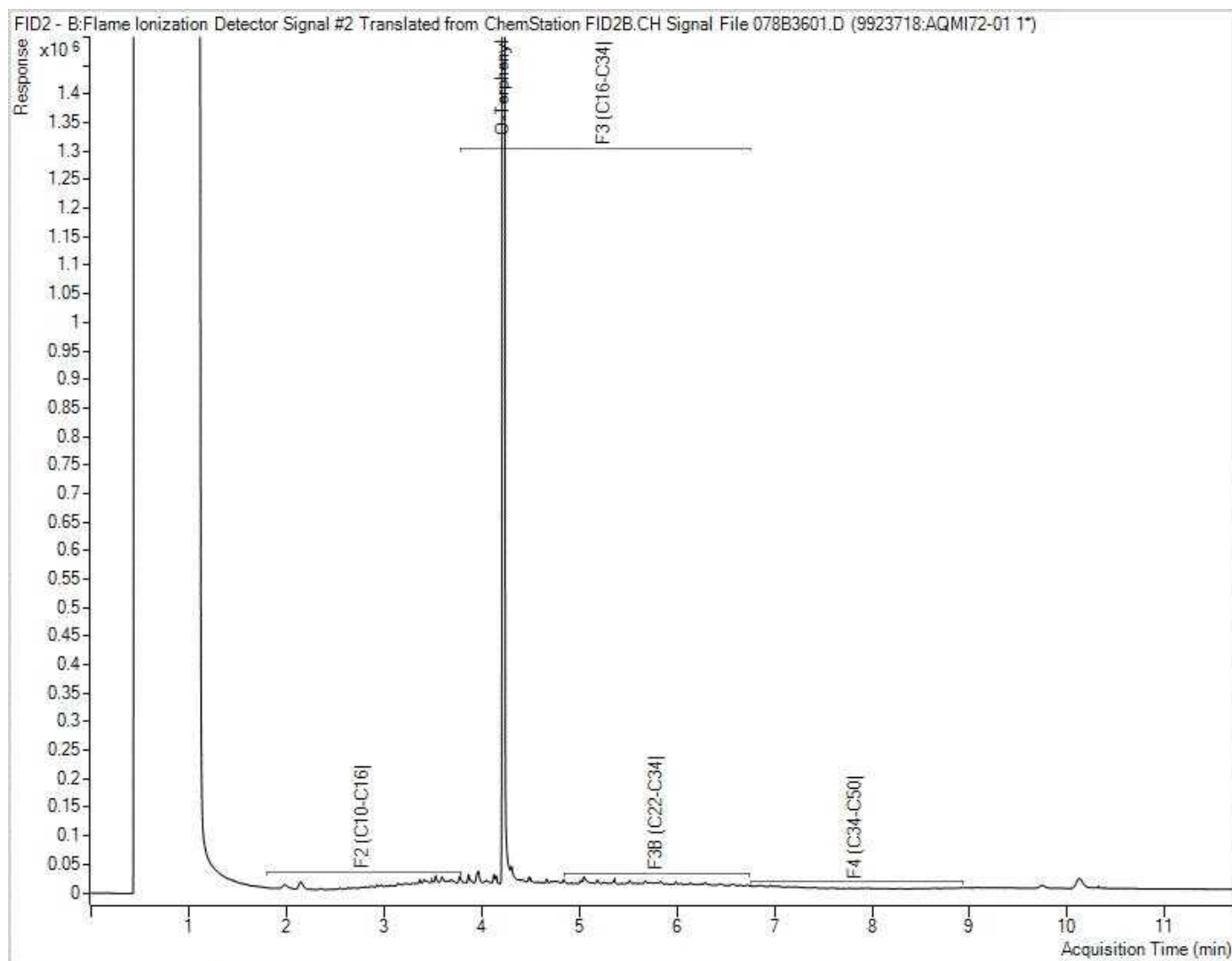
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



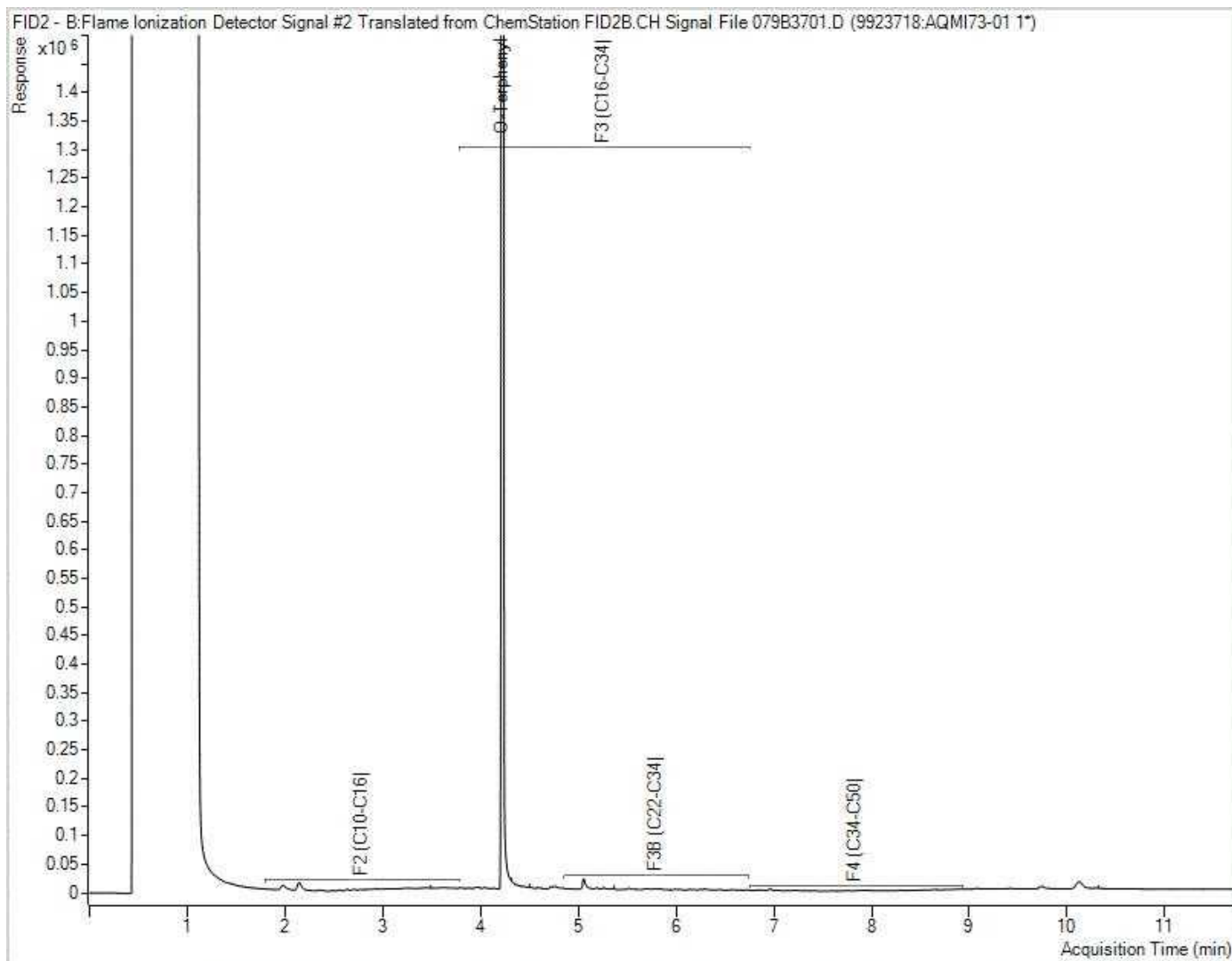
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



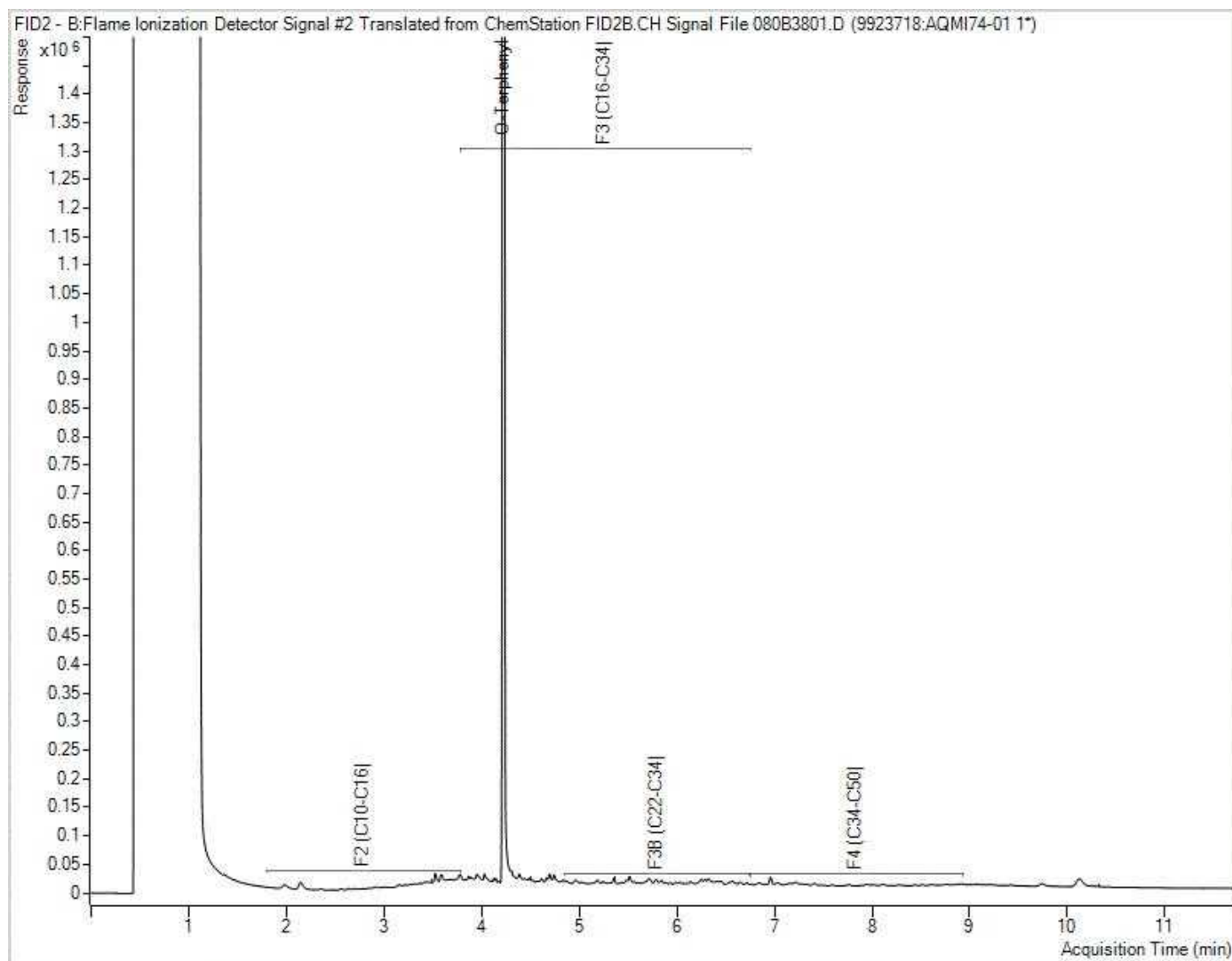
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



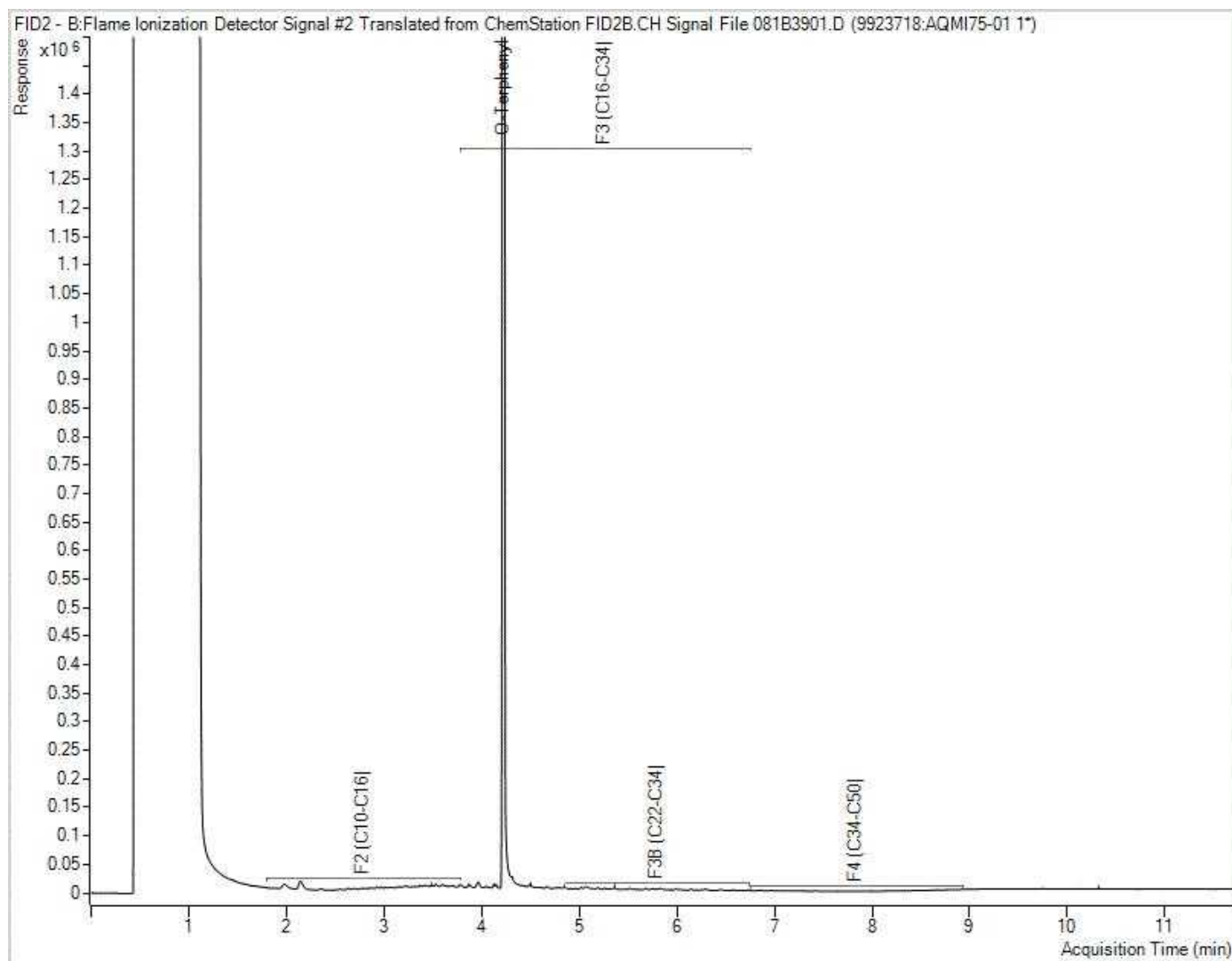
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



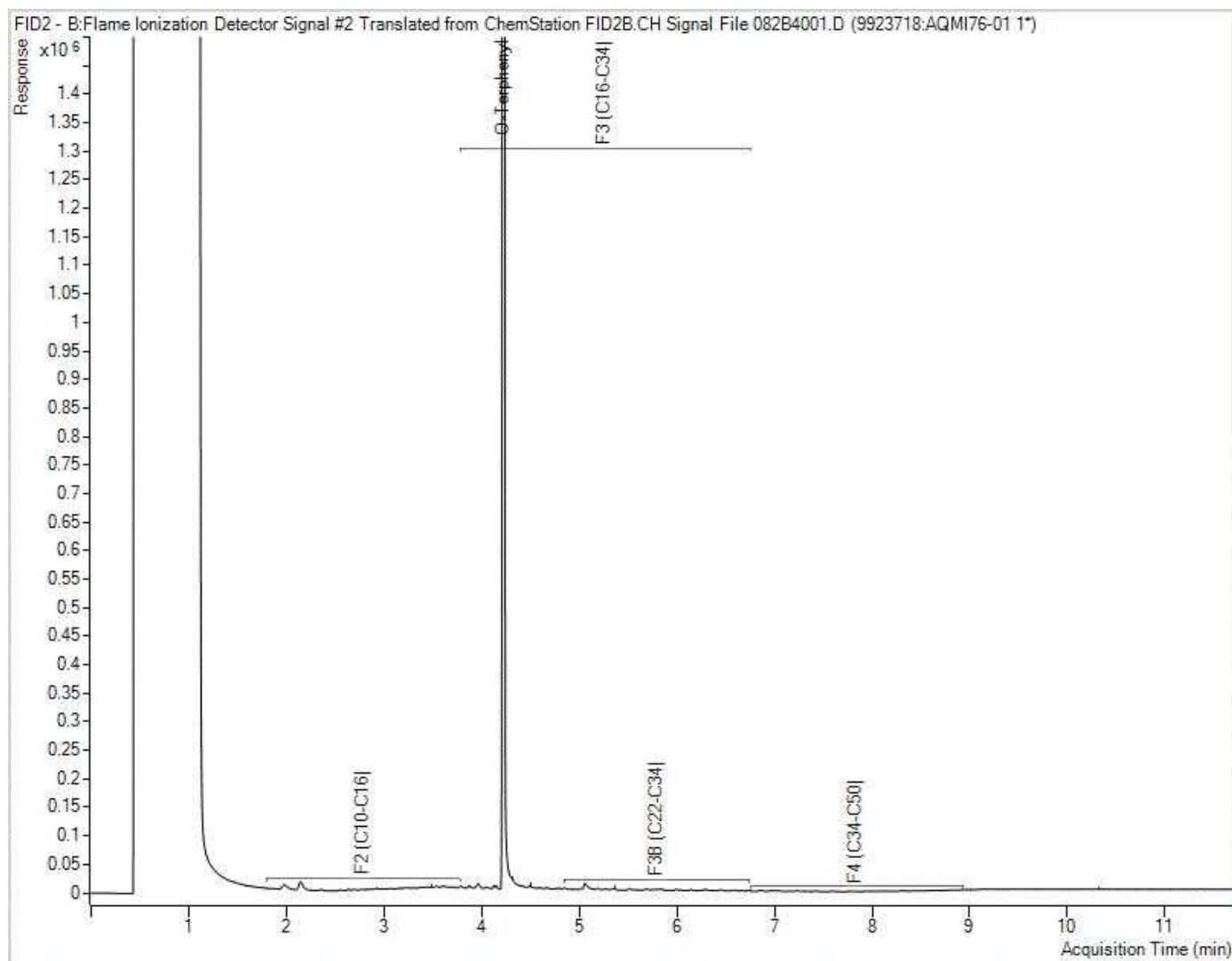
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



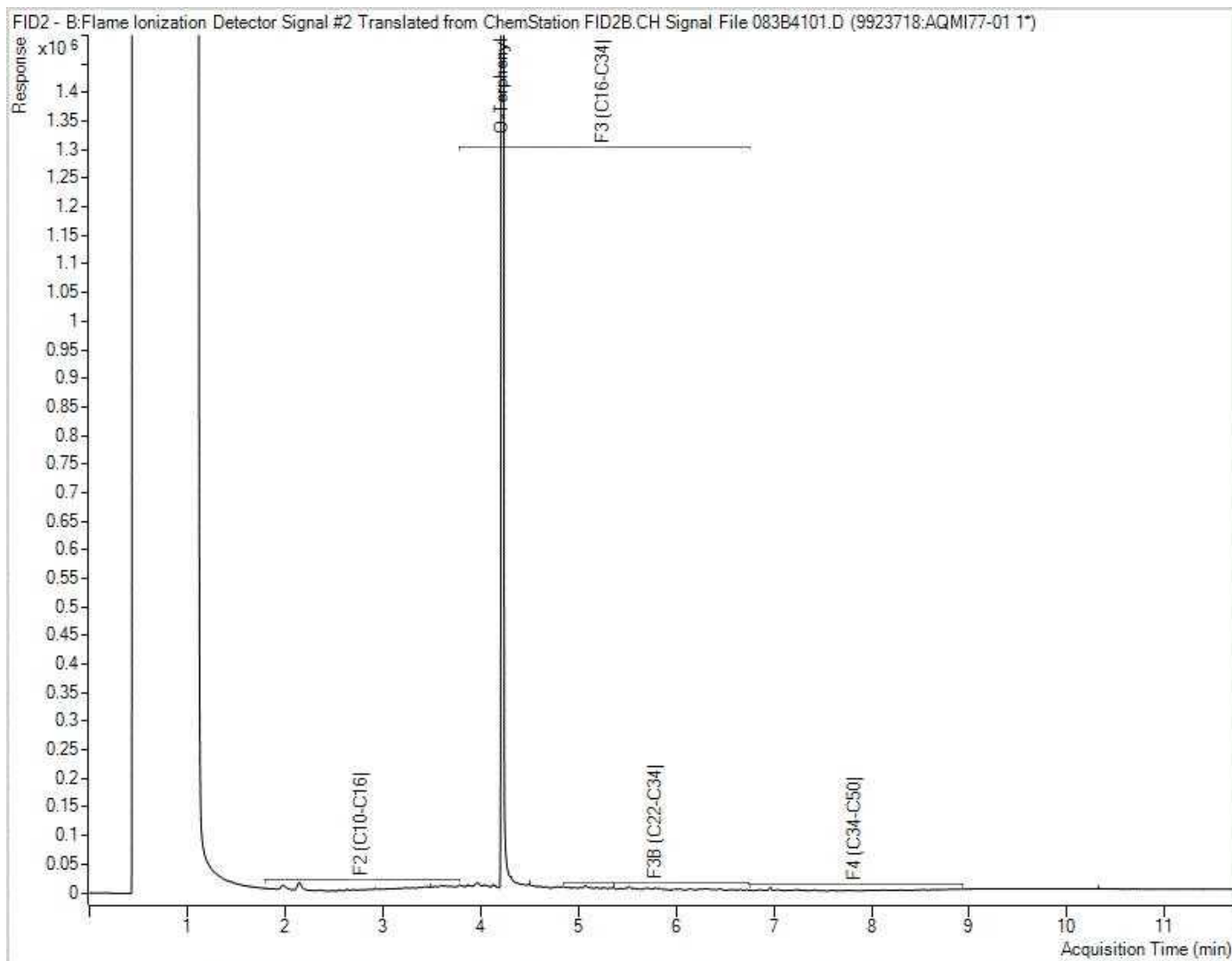
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

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



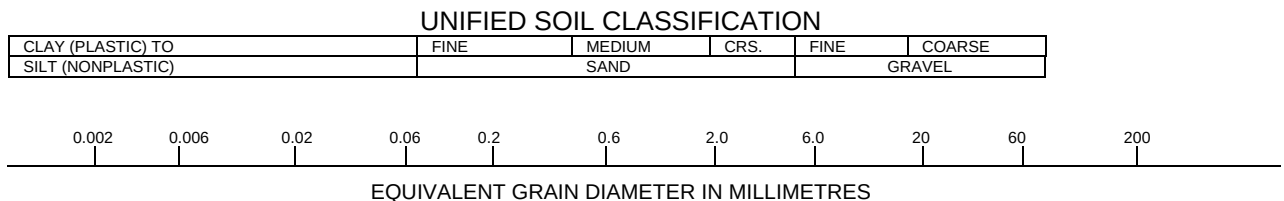
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

*Preliminary Due Diligence Excess Soil Characterization
409 Centre Street South, Whitby, ON
October 23, 2025*

Appendix B: Borehole Logs

Notes on Sample Descriptions

1. All sample descriptions included in this report follow the International Society for Soil Mechanics and Foundation Engineering (ISSMFE), as outlined in the Canadian Foundation Engineering Manual. Note, however, that behavioral properties (i.e. plasticity, permeability) take precedence over particle gradation when classifying soil. Please note that, with the exception of those samples where a grain size analysis has been made, all samples are classified visually. Visual classification is not sufficiently accurate to provide exact grain sizing or precise differentiation between size classification systems.



ISSMFE SOIL CLASSIFICATION

CLAY	SILT			SAND			GRAVEL			COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE		

2. **Fill:** Where fill is designated on the borehole log it is defined as indicated by the sample recovered during the boring process. The reader is cautioned that fills are heterogeneous in nature and variable in density or degree of compaction. The borehole description may therefore not be applicable as a general description of site fill materials. All fills should be expected to contain obstruction such as wood, large concrete pieces or subsurface basements, floors, tanks, etc., none of these may have been encountered in the boreholes. Since boreholes cannot accurately define the contents of the fill, test pits are recommended to provide supplementary information. Despite the use of test pits, the heterogeneous nature of fill will leave some ambiguity as to the exact composition of the fill. Most fills contain pockets, seams, or layers of organically contaminated soil. This organic material can result in the generation of methane gas and/or significant ongoing and future settlements. Fill at this site may have been monitored for the presence of methane gas and, if so, the results are given on the borehole logs. The monitoring process does not indicate the volume of gas that can be potentially generated nor does it pinpoint the source of the gas. These readings are to advise of the presence of gas only, and a detailed study is recommended for sites where any explosive gas/methane is detected. Some fill material may be contaminated by toxic/hazardous waste that renders it unacceptable for deposition in any but designated land fill sites; unless specifically stated the fill on this site has not been tested for contaminants that may be considered toxic or hazardous. This testing and a potential hazard study can be undertaken if requested. In most residential/commercial areas undergoing reconstruction, buried oil tanks are common and are generally not detected in a conventional geotechnical site investigation.
3. **Till:** The term till on the borehole logs indicates that the material originates from a geological process associated with glaciation. Because of this geological process the till must be considered heterogeneous in composition and as such may contain pockets and/or seams of material such as sand, gravel, silt or clay. Till often contains cobbles (75 to 200 mm) or boulders (over 200 mm). Contractors may therefore encounter cobbles and boulders during excavation, even if they are not indicated by the borings. It should be appreciated that normal sampling equipment cannot differentiate the size or type of any obstruction. Because of the horizontal and vertical variability of till, the sample description may be applicable to a very limited zone; caution is therefore essential when dealing with sensitive excavations or dewatering programs in till materials.

Notes On Soil Descriptions

4. The following table gives a description of the soil based on particle sizes. With the exception of those samples where grain size analyses have been performed, all samples are classified visually. The accuracy of visual examination is not sufficient to differentiate between this classification system or exact grain size.

Soil Classification		Terminology	Proportion
Clay and Silt	<0.060 mm	"trace" (e.g. Trace sand)	1% to 10%
Sand	0.060 to 2.0 mm	"some" (e.g. Some sand)	10% to 20%
Gravel	2.0 to 75 mm	adjective (e.g. sandy, silty)	20% to 35%
Cobbles	75 to 200 mm	"and" (e.g. and sand)	35% to 50%
Boulders	>200 mm		

The compactness of Cohesionless soils and the consistency of the cohesive soils are defined by the following:

Cohesionless Soil		Cohesive Soil		
Compactness	Standard Penetration Resistance "N" Blows / 0.3 m	Consistency	Undrained Shear Strength (kPa)	Standard Penetration Resistance "N" Blows / 0.3 m
Very Loose	0 to 4	Very soft	<12	<2
Loose	4 to 10	Soft	12 to 25	2 to 4
Compact	10 to 30	Firm	25 to 50	4 to 8
Dense	30 to 50	Stiff	50 to 100	8 to 15
Very Dense	Over 50	Very Stiff	100 to 200	15 to 30
		Hard	>200	>30

5. ROCK CORING

Where rock drilling was carried out, the term RQD (Rock Quality Designation) is used. The RQD is an indirect measure of the number of fractures and soundness of the rock mass. It is obtained from the rock cores by summing the length of the core covered, counting only those pieces of sound core that are 100 mm or more length. The RQD value is expressed as a percentage and is the ratio of the summed core lengths to the total length of core run. The classification based on the RQD value is given below.

RQD Classification	RQD (%)
Very Poor Quality	<25
Poor Quality	25 to 50
Fair Quality	50 to 75
Good Quality	75 to 90
Excellent Quality	90 to 100

$$\text{Recovery Designation \% Recovery} = \frac{\text{Length of Core Per Run}}{\text{Total Length of Run}} \times 100$$

Log of Borehole 1

Project No. BRM-23007484-H0

Drawing No. 2

Project: Proposed Senior's Residence Development

Sheet No. 1 of 1

Location: 409 Centre Street, Whitby, Ontario

Date Drilled: April 29, 2025

Auger Sample



Combustible Vapour Reading



Drill Type: Marl M5T

SPT (N) Value



Natural Moisture



Datum: Geodetic

Dynamic Cone Test



Plastic and Liquid Limit



Shelby Tube



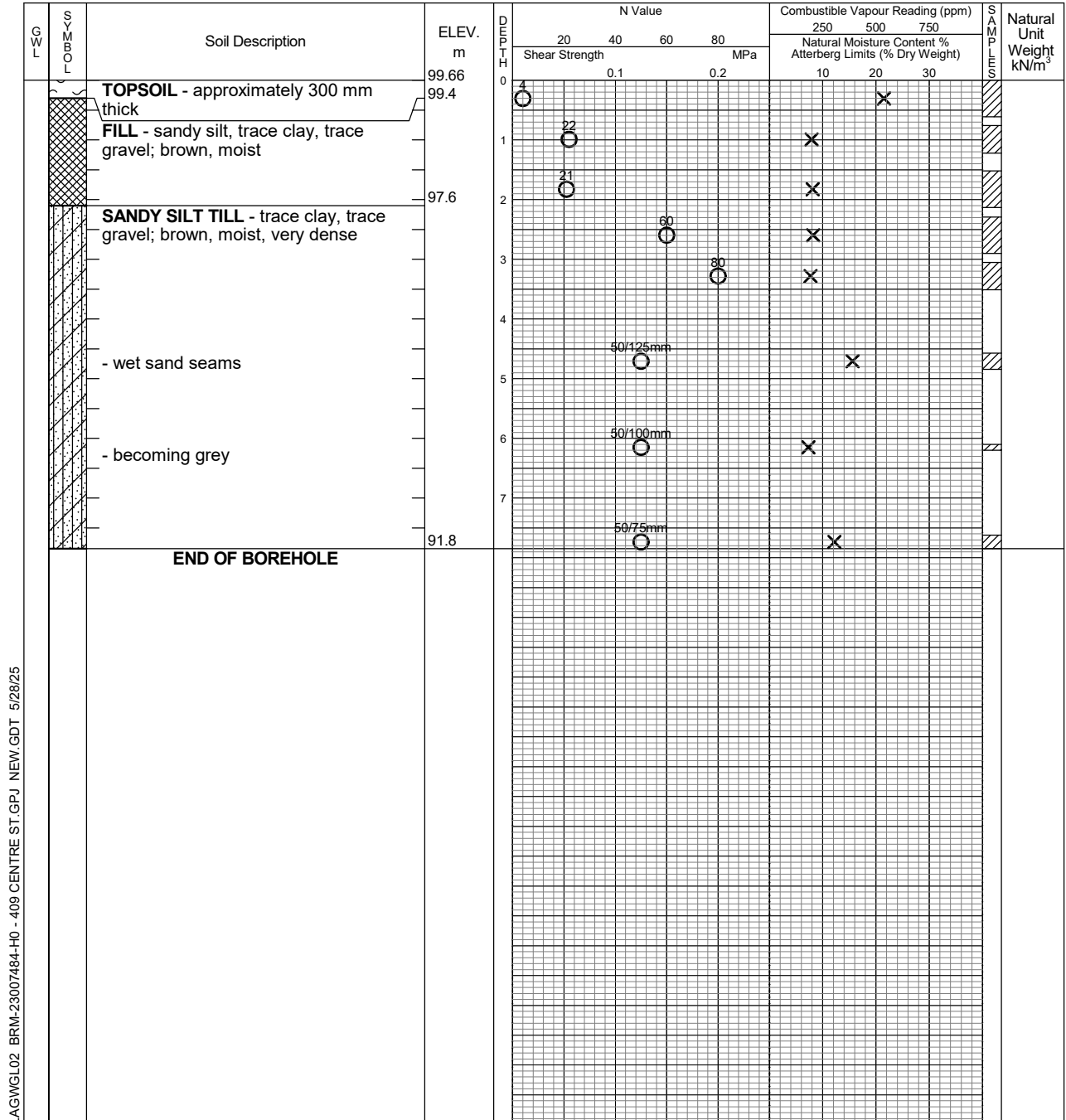
Undrained Triaxial at % Strain at Failure



Field Vane Test



Penetrometer



LAGWGL02 BRM-23007484-H0 - 409 CENTRE ST.GPJ NEW.GDT 5/28/25



Time	Water Level (m)	Depth to Cave (m)
On completion	4.88	Open

Log of Borehole 2

Project No. BRM-23007484-H0

Drawing No. 3

Project: Proposed Senior's Residence Development

Sheet No. 1 of 1

Location: 409 Centre Street, Whitby, Ontario

Date Drilled: April 29, 2025

Auger Sample



Combustible Vapour Reading



Drill Type: Marl M5T

SPT (N) Value



Natural Moisture



Datum: Geodetic

Dynamic Cone Test



Plastic and Liquid Limit



Shelby Tube



Undrained Triaxial at



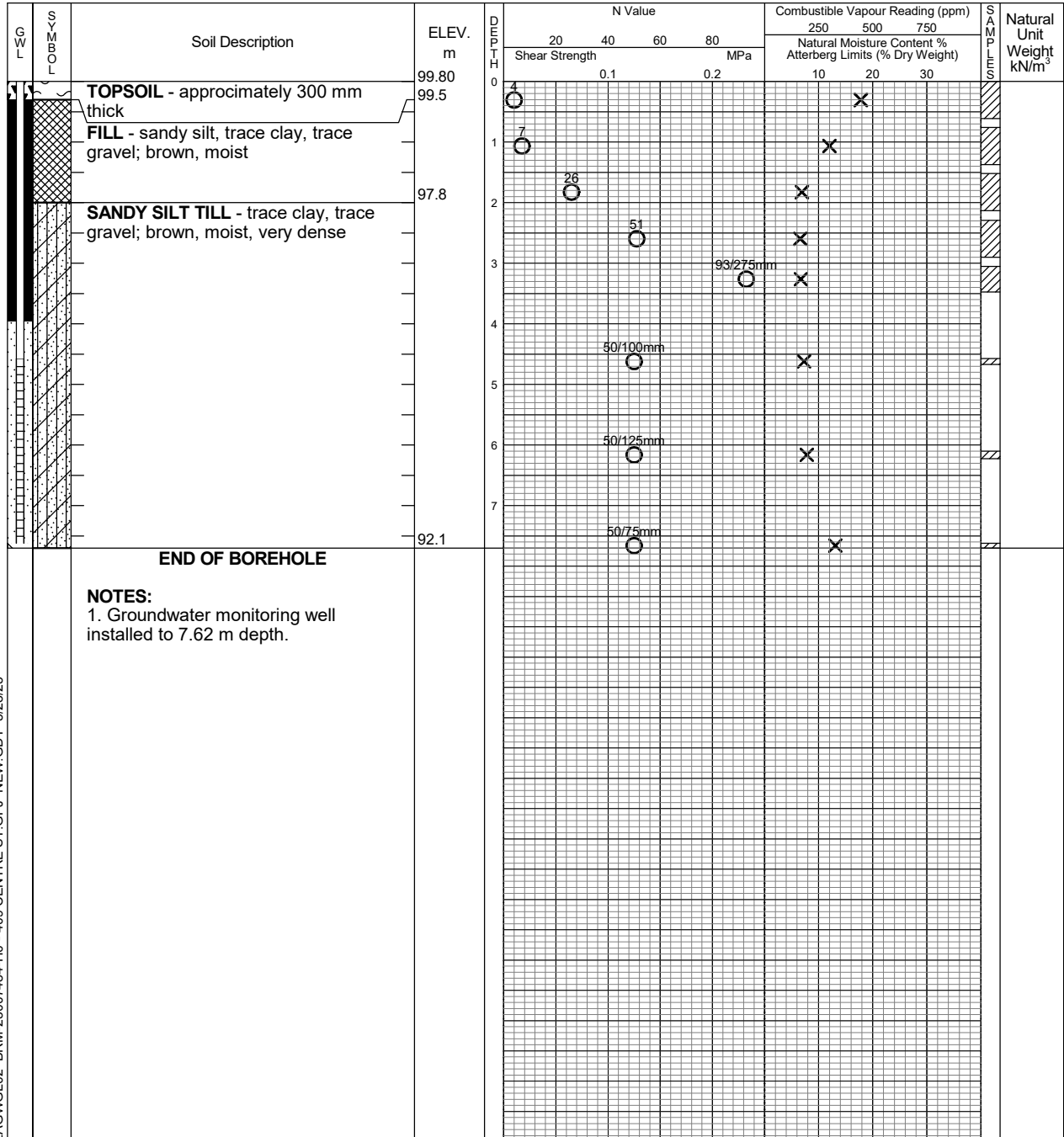
Field Vane Test



% Strain at Failure



Penetrometer



Time	Water Level (m)	Depth to Cave (m)
On completion	Dry	Well
May 14, 2025	3.55	Well
May 22, 2025	2.62	Well

Log of Borehole 3

Project No. BRM-23007484-H0

Drawing No. 4

Project: Proposed Senior's Residence Development

Sheet No. 1 of 1

Location: 409 Centre Street, Whitby, Ontario

Date Drilled: April 28, 2025 to April 29, 2025

Auger Sample



Combustible Vapour Reading



Drill Type: Marl M5T

SPT (N) Value



Natural Moisture



Datum: Geodetic

Dynamic Cone Test



Plastic and Liquid Limit



Shelby Tube



Undrained Triaxial at



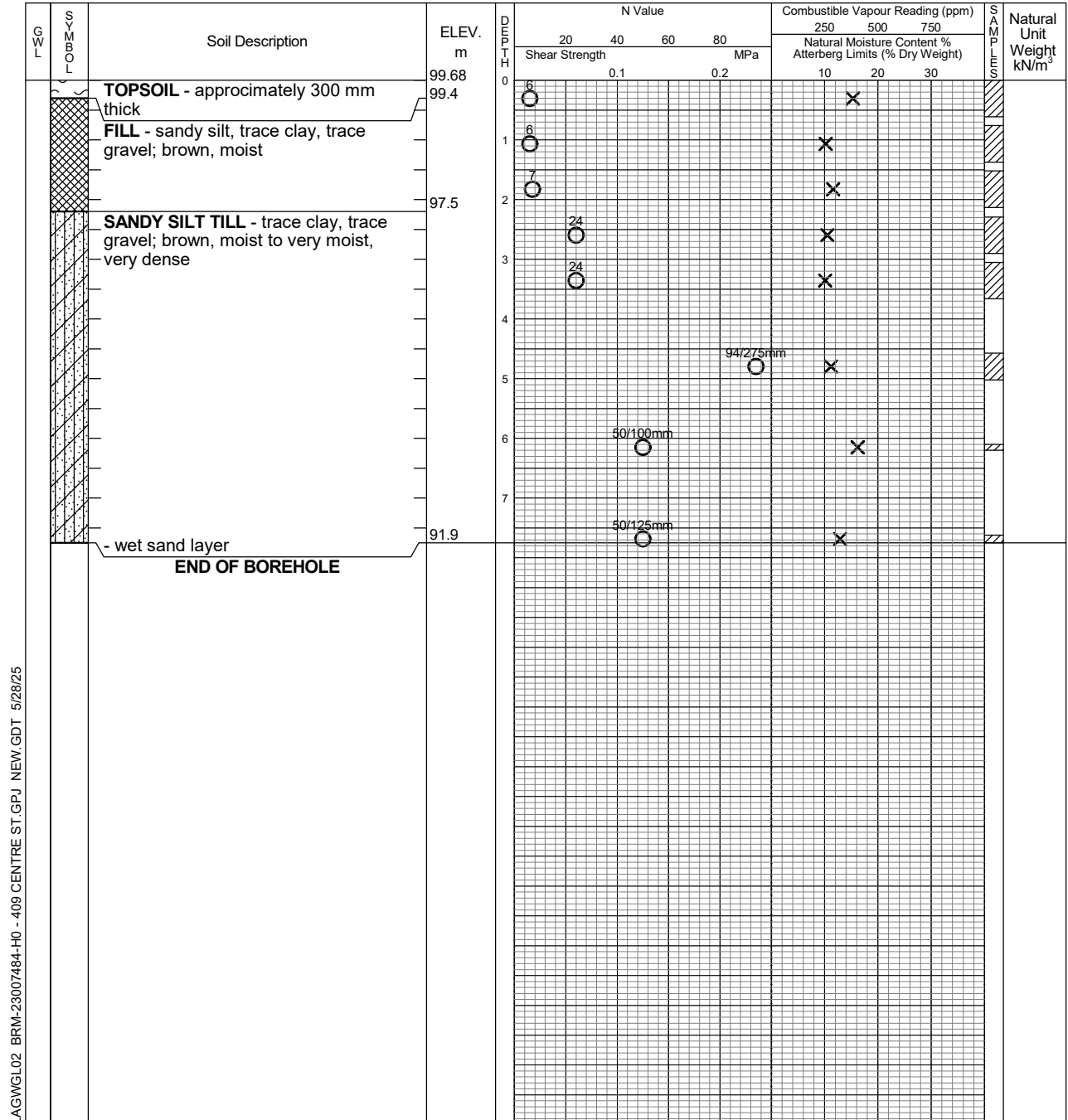
Field Vane Test



% Strain at Failure



Penetrometer



Time	Water Level (m)	Depth to Cave (m)
On completion	Dry	5.18

Log of Borehole 4

Project No. BRM-23007484-H0

Drawing No. 5

Project: Proposed Senior's Residence Development

Sheet No. 1 of 1

Location: 409 Centre Street, Whitby, Ontario

Date Drilled: April 29, 2025

Auger Sample



Combustible Vapour Reading



Drill Type: Marl M5T

SPT (N) Value



Natural Moisture



Datum: Geodetic

Dynamic Cone Test



Plastic and Liquid Limit



Shelby Tube



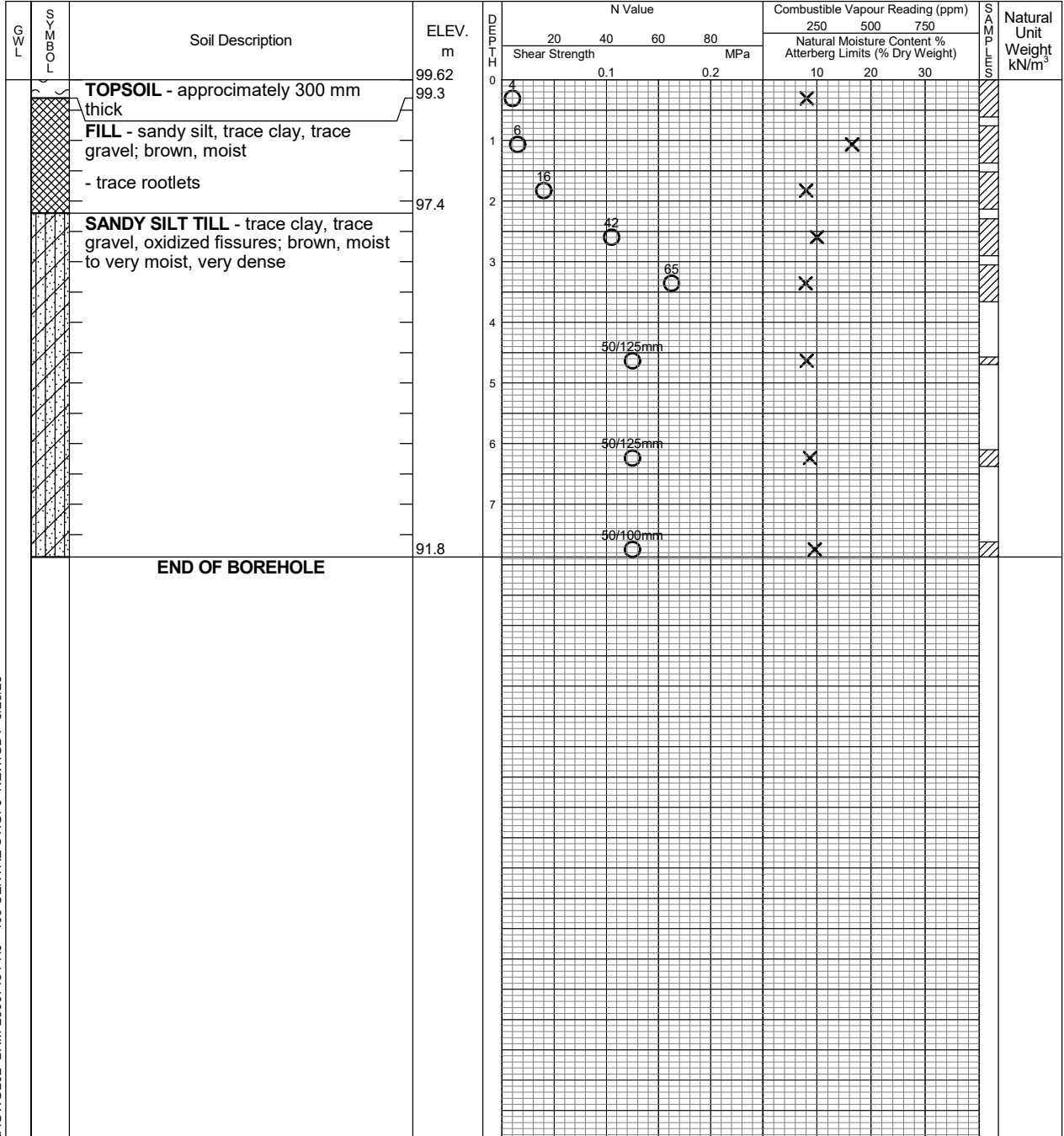
Undrained Triaxial at % Strain at Failure



Field Vane Test



Penetrometer



LAGWGL02 BRM-23007484-H0 - 409 CENTRE ST.GPJ NEW.GDT 5/28/25



Time	Water Level (m)	Depth to Cave (m)
On completion	Dry	Open

Log of Borehole 5

Project No. BRM-23007484-H0

Drawing No. 6

Project: Proposed Senior's Residence Development

Sheet No. 1 of 1

Location: 409 Centre Street, Whitby, Ontario

Date Drilled: April 29, 2025

Auger Sample



Combustible Vapour Reading



Drill Type: Marl M5T

SPT (N) Value



Natural Moisture



Datum: Geodetic

Dynamic Cone Test



Plastic and Liquid Limit



Shelby Tube



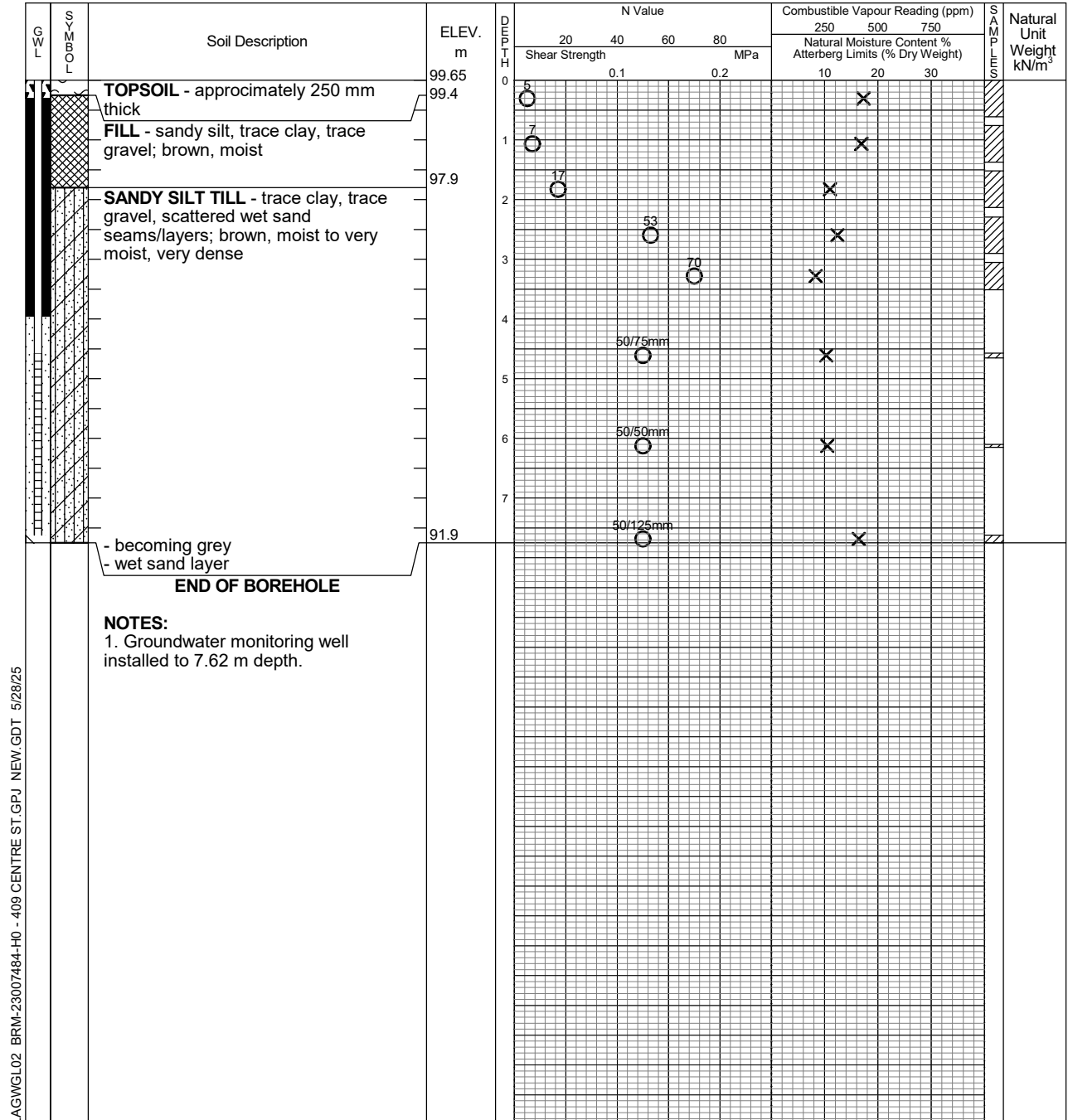
Undrained Triaxial at % Strain at Failure



Field Vane Test



Penetrometer



Time	Water Level (m)	Depth to Cave (m)
On completion	Dry	Well
May 14, 2025	2.67	Well
May 22, 2025	2.62	Well

Log of Borehole 6

Project No. BRM-23007484-H0

Drawing No. 7

Project: Proposed Senior's Residence Development

Sheet No. 1 of 1

Location: 409 Centre Street, Whitby, Ontario

Date Drilled: April 28, 2025

Auger Sample

SPT (N) Value

Dynamic Cone Test

Shelby Tube

Field Vane Test

Combustible Vapour Reading

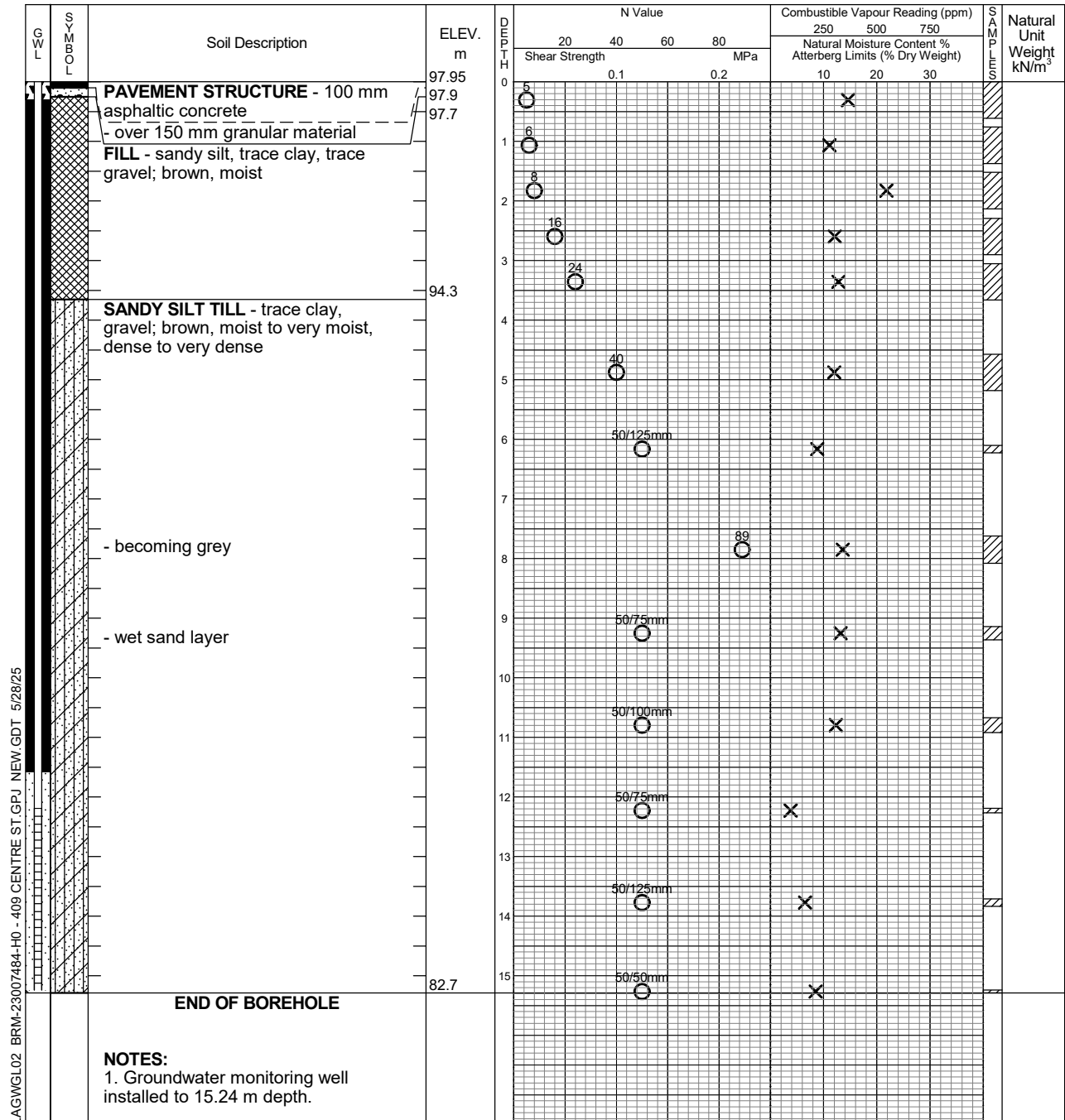
Natural Moisture

Plastic and Liquid Limit

Undrained Triaxial at

% Strain at Failure

Penetrometer



Time	Water Level (m)	Depth to Cave (m)
On completion	7.62	Well
May 14, 2025	7.67	Well
May 22, 2025	12.0	Well

Log of Borehole 6S

Project No. BRM-23007484-H0

Drawing No. 7A

Project: Proposed Senior's Residence Development

Sheet No. 1 of 1

Location: 409 Centre Street, Whitby, Ontario

Date Drilled: April 28, 2025

Auger Sample



Combustible Vapour Reading



Drill Type: Volvo B57

SPT (N) Value



Natural Moisture



Datum: Geodetic

Dynamic Cone Test



Plastic and Liquid Limit



Shelby Tube



Undrained Triaxial at



Field Vane Test



% Strain at Failure



Penetrometer



SYMBOL	GWL	Soil Description	ELEV. m	DEPTH m	N Value		Combustible Vapour Reading (ppm)			SAMPLING	Natural Unit Weight kN/m³		
					20	40	60	80	250			500	750
					Shear Strength MPa				Natural Moisture Content % Atterberg Limits (% Dry Weight)				
					0.1		0.2		10	20	30		
		NO SAMPLING. BOREHOLE DRILLED FOR THE PURPOSE OF GROUNDWATER MONITORING WELL INSTALLATION.	97.95	0									
				1									
				2									
				3									
				4									
				5									
				6									
				7									
		END OF BOREHOLE	90.3										
		NOTES: 1. Groundwater monitoring well installed to 7.62 m depth.											

LAGWGL02 BRM-23007484-H0 - 409 CENTRE ST.GPJ NEW.GDT 5/28/25



Time	Water Level (m)	Depth to Cave (m)
On completion	7.62	Well
May 14, 2025	3.98	Well
May 22, 2025	3.99	Well