Soil Characterization Report

276-292 Plains Road East, Burlington, Ontario

Client:
284 Plains Road Development Inc.
621 Clarke Road
London, Ontario
N5V 2E1

Attention:
Mr. Marko Juricic

Type of Document:
FINAL

Project Name:
Soil Characterization Report

Project Number:
GTR-23002995-A0

EXP Services Inc.
1595 Clark Boulevard
Brampton, ON, L6T 4V1
t: 905.793.9800
f: 905.793.0641

Date Submitted:
August 1, 2023

Table of Contents

1 Executive Summary 3
2 Introduction 5
2.1 Site Description 5
2.2 Project Area Information 5
2.3 Current and Proposed Future Uses 6
2.4 Applicable Site Condition Standards 6
3 Background Information 7
3.1 Physical Setting 7
3.2 Previous Investigations 7
4 Scope of Investigation 9
4.1 Overview of Site Investigation 9
4.1.1 Scope of Work 9
4.2 Media Investigated 9
4.3 Deviations from Sampling and Analysis Plan 9
4.4 Impediments 9
5 Investigation Method 10
5.1 General 10
5.2 Underground Utilities 10
5.3 Borehole Program 10
5.4 Soil: Sampling 10
5.5 Soil: Field Screening Measurements 11
5.6 Analytical Testing 11
5.7 Residue Management Procedures 12
5.8 Quality Assurance and Quality Control Measures 12
6 Review and Evaluation 13
6.1 Geology 13
6.1.1 Surface Material 13

6.1.2 Fill/Reworked Material 13
6.1.3 Native Material 13
6.1.4 Bedrock 13
6.2 Soil: Field Screening 13
6.3 Soil Quality 13
6.3.1 Petroleum Hydrocarbons (PHCs) including BTEX 14
6.3.2 Metals (including Hydride Forming Metals) 14
6.3.3 Electrical Conductivity and Sodium Adsorption Ratio 14
6.3.4 pH 15
6.3.5 Synthetic Precipitation Leaching Procedure (SPLP) 15
6.3.6 Chemical Transformation and Soil Contaminant Source 15
6.3.7 Evidence of Non-Aqueous Phase Liquid 15
6.4 Sediment Quality 15
6.5 Quality Assurance and Quality Control Measures 15
7 Conclusions 17
8 General Limitations 19
9 Closure 20
10 References 21

Appendices

Figures

Tables

Appendix A – Sampling and Analysis Plan

Appendix B – Borehole Logs

Appendix C – Laboratory Certificate of Analysis

1 Executive Summary

EXP Services Inc. (EXP) was retained by 284 Plains Road Development Inc. ("Client") to complete in-situ environmental characterization for excess soil of the properties municipally addressed as 276-292 Plains Road East, in Burlington, Ontario. This parcel of land is hereinafter referred to as the 'Site'. This report has been prepared in support of redevelopment purposes and excess soil removal during construction.

The Site is located on the south side of Plains Road East, approximately 85 m east of Shadeland Avenue in Burlington, Ontario. The Site has an area of approximately 0.51 hectares (1.25 acres) and contains one (1) commercial building which is occupied by Wellum Chiropractic Clinic and two (2) vacant residential/commercial buildings.

This in-situ environmental characterization of excess soil program was conducted in accordance to Ontario Regulation (O.Reg.) 406/19 "On-Site and Excess Soil Management" made under the Environmental Protection Act, R.S.O 1990, c. E.19, and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 8 of this report.

The objective of the in-situ environmental characterization of excess soil is to characterize the subsurface soil within the Site for the proposed basement and underground parking garage in the advance of soil movement. An approximate volume of 15,900 cubic metres (m^3) of soil is proposed for removal as excess soil.

Excess soil characterization was recommended to assess the soil conditions at the Site. The scope of the in-situ environmental characterization of excess soil was designed to assess soil quality associated with the identified APECs. The results and findings of the in-situ environmental characterization of excess soil conducted at the Site are summarized as follows:

1. Eight (8) boreholes were advanced by a licensed drilling contractor between June 5 and 9, 2023, to depths ranging from 3.66 to 11.28 metres below ground surface (m bgs).
2. The general stratigraphy at the Site, as observed in the boreholes, was surficial topsoil or asphalt at all borehole locations with granular fill encountered immediately below at all boreholes except for BH107. Silty sand fill was encountered in all boreholes extending to depths of 0.25 to 3.05 m bgs. The native soil at the Site consisted of sand overlying silty clay till.
3. Soil samples were submitted for the analysis of one or more of the following: Petroleum Hydrocarbons (PHCs) including BTEX, Metals (including hydride-forming metals), Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR), pH and Synthetic Precipitation Leaching Procedure (SPLP).
4. For assessment purposes, EXP selected the Ministry of Environment, Conservation and Parks (MECP) (2019) Table 2.1: Full Depth Excess Soil Quality Standards (ESQS) in a Non-Potable Ground Water Condition for Residential / Parkland / Institutional (RPI) and Industrial/Commercial/Community (ICC) Property Use (Table 2.1 ESQS) and O. Reg 153/04 Table 1: Full Depth Background SCS for Residential/Parkland/Institutional/Industrial/Commercial/Community (RPIICC) Property Use - coarse and/or fine textured soil (Table 1 SCS).
5. Thirty-four (34) soil samples, including three (3) duplicates, were analyzed for PHCs including BTEX. PHCs including BTEX were either not detected or detected below the applicable Table 2.1 ESQS RPI/ICC and Table 1 SCS. The laboratory RDLs were below the Table 2.1 ESQS RPI/ICC and Table 1 SCS, with the exception of benzene and xylenes in BH7 SS5 and BH8 SS4.
6. Thirty-four (34) soil samples, including three (3) duplicates, were analyzed for Metals including hydride-forming metals. Metals were not detected or detected below the applicable Table 2.1 ESQS RPI/ICC and Table 1 SCS. The laboratory RDLs were below the Table 2.1 ESQS RPI/ICC and Table 1 SCS.

7. Thirty-four (34) soil samples, including three (3) duplicates, were analyzed for EC and SAR. EC and SAR were not detected above the applicable Table 2.1 ESQS RPI/ICC and Table 1 SCS, with the exception of:
   - Table 1 SCS:
     - EC in BH102 (BH2 SS2), BH103 (BH/MW3 SS3), BH104 (BH4 SS2 and BH4 SS3), and BH105 (BH5 SS2 and BH5 SS3D [duplicate of BH5 SS3]); and,
     - SAR in BH101 (BH1 SS3), BH103 (BH/MW3 SS3 and BH/MW3 SS4), BH105 (BH5 SS3, BH5 SS3D [duplicate of BH5 SS3], and BH5 SS5), and BH106 (BH6 SS3).
   - Table 1 SCS and Table 2.1 ESQS RPI:
     - SAR in BH103 (BH/MW3 SS2 and BH/MW3 SS5), BH105 (BH5 SS4), BH106 (BH6 SS4), and BH108 (BH8 SS3 and BH8 SS4).
     - EC in BH104 (BH4 SS2 and BH4 SS3).
   - Table 1 SCS and Table 2.1 ESQS RPI/ICC:
     - SAR in BH101 (BH1 SS1), BH102 (BH2 SS2, BH2 SS3, BH202 SS3 [duplicate of BH2 SS3], BH2 SS4, and BH2 SS5), and BH104 (BH4 SS2, BH4 SS3, BH4 SS4, and BH4 SS5).

   The laboratory RDLs were below the Table 2.1 ESQS RPI/ICC and Table 1 SCS.
8. The Table 2.1 ESQS RPI/ICC and Table 1 SCS criteria are applicable if soil pH is in the range of 5 to 9 for surface soil (less than 1.5 m below soil surface) and 5 to 11 for subsurface soil (greater than 1.5 m below soil surface). The reported pH values for surface soils ranged between 7.13 and 7.81 and the subsurface soils ranged between 6.67 and 7.99.
9. Eight (8) soil samples were analyzed for Synthetic Precipitation Leaching Procedure. The results of the analysis together with the applicable Table 1 and Table 2.1 Leachate Screening Levels (LSL) are presented in Table 2. SPLP were not detected or were detected below the applicable Table 1 LSL and Table 2.1 LSL.
10. No evidence of free product (i.e. visible film or sheen), or odour was observed during soil sampling.

Salt related parameters were found above Table 1 SCS and Table 2.1 ESQS RPI/ICC at the following locations: BH101, BH102, BH103, BH104, BH105, BH106, and BH108. It is noted that under O.Reg. 406/19, there are provisions for the re-use of salt-impacted soils and as such, opportunities for reuse may exist for soils removed from the Project Area during construction, depending on the receiving Site selected.

2 Introduction

EXP Services Inc. (EXP) was retained by 284 Plains Road Development Inc. ("Client") to complete in-situ environmental characterization for excess soil of the properties municipally addressed as 276-292 Plains Road East, in Burlington, Ontario. This parcel of land is hereinafter referred to as the 'Site'. This report has been prepared in support of redevelopment purposes and excess soil removal during construction.

The objective of the in-situ environmental characterization of excess soils is to support the proposed relocation of potential "excess soil" during development activities. Based on the sample frequency standards established in the regulation, a total of Forty-two (42) soil samples (including duplicates) were required to be analyzed for parameters in support of excess soil characterization (per O.Reg. 406/19) based on a characterization volume of 15,900 cubic metres (m^3) of soil. If characterization of additional soil is required to support the required volume of "excess soil" generated during development, further characterization will be required of that additional soil.

This in-situ environmental characterization of excess soil program was conducted in accordance with Ontario Regulation (O.Reg.) 406/19 "On-Site and Excess Soil Management" made under the Environmental Protection Act, R.S.O 1990, c. E.19, and in accordance with generally accepted professional practices.

Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 8 of this report.

2.1 Site Description

The Site is located on the south side of Plains Road East, approximately 85 m east of Shadeland Avenue in Burlington, Ontario. The Site has an area of approximately 0.51 hectares (1.25 acres) and contains one (1) commercial building which is occupied by Wellum Chiropractic Clinic and two (2) vacant residential/commercial buildings.

Refer to Figure 1 for the Site location plan.

2.2 Project Area Information

Details of the Site are outlined in the table below:

Municipal Address	276-292 Plains Road East, Burlington, Ontario	
Current Land Use	Commercial/Residential	
Proposed Land Use	Residential	
Legal Description	• Part Lot 4, Con Broken Front as in 592543 • Part Lot 4, Con Broken Front as in 213867, except Pt 1 PM426 • Part Lot 4, Con Broken Front as in 688195	
Approximate Universal Transverse Mercator (UTM) coordinates	NAD83 17T 593825 m E 4796293 m N	
Accuracy Estimate of UTM	10-15 m	
Site Area	0.51 ha (1.25 acres)	
Owner Contact and Address	**276 Plains Road East**	**286-292 Plains Road East**

	Colin Leroy Wellum 276 Plains Road East Burlington, ON L7T 2C6	284 Plains Road Development Inc. c/o Marko Juricic 621 Clarke Road London, ON N5V 2E1
Name of Any Other Person Who Engaged the Qualified Person	NA	
Project Leader(s)	To be determined.	
Qualified Person(s)	Jason Slidders, L.E.T.	

2.3 Current and Proposed Future Uses

At the time of the Soil Characterization Report, the Site was occupied one (1) commercial building which is occupied by Wellum Chiropractic Clinic and two (2) vacant residential/commercial buildings. It is EXP's understanding that the Client is redeveloping the Site for residential use.

2.4 Applicable Site Condition Standards

Analytical results obtained for Site soil samples were assessed against the generic Excess Soil Quality Standards (ESQS) as established under the Environmental Protection Act and regulated under O. Reg 406/19. Tabulated background ESQS (Table 1) applicable to environmentally sensitive Sites and effects based generic ESQS (Tables 2.1 to 9.1) applicable to non-environmentally sensitive Sites are provided in the accompanying "Rules for Soil Management and Excess Soil Quality Standards" (MECP 2019) document. The effects-based ESQS (Tables 2.1 to 9.1) are protective of human health and the environment for different groundwater conditions (potable and non-potable), land use scenarios (residential, parkland, institutional, commercial, industrial, community and agricultural/other), soil texture (coarse or medium/fine) and restoration depth (full or stratified).

For assessment purposes, EXP selected the MECP (2019) Table 2.1: Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition for Residential/Parkland/Institutional (RPI) and Industrial/Commercial/Community (ICC) Property Use (Table 2.1 ESQS). The selection of this category was based on the following factors:

- More than 2/3 of the Site has an overburden thickness greater than 2 m.
- The Site is not located within 30 m of a surface water body or an area of natural significance.
- The soil at the Site has a pH value between 9 and 11 for surface soils and between 5 and 11 for subsurface soils.
- The property is not located within an area of natural significance; does not include, nor is it adjacent to an area of natural significance, nor is it part of such an area; and, it does not include land that is within 30 m of an area of natural significance, nor is it part of such an area.
- The Site is serviced by the municipal water distribution system; and, to the best of EXP's knowledge, all properties within 250 m of the Site are serviced by the municipal water supply (i.e. there are no potable water supply wells located within the Study Area).
- The predominant soil type on the Site is fine textured.
- The proposed land use is mixed residential and commercial land use.
- There is no intention to carry out a stratified restoration at the Site.

In order to facilitate the maximum soil reuse potential, EXP also selected the O.Reg 153/04 Table 1: Full Depth Background Site Condition Standards (SCS) for Residential/Parkland/Institutional/Industrial/Commercial/Community (RPIICC) Land Use - Coarse and/or fine textured soil for comparison purposes.

3 Background Information

3.1 Physical Setting

The following physiographic, geological and soil maps were reviewed:

- “Toporama"; Natural Resources Canada. Map 030M11 - TORONTO. Scale 1:10,000. 2008.
- "Quaternary Geology, Seamless coverage of the Province of Ontario"; Data Set 14 - Revised, Scale 1: 1,000,000 Issued 2000.
- "Bedrock Geology of Ontario, Southern Sheet," Ontario Geological Survey, MDR126-REV1. Scale 1:250,000. Issued 2011.

Based on the review of the above maps, the following information was obtained:

- The Site is approximately 100 m above sea level and is generally flat.
- A review of the topographic map indicated that an Unnamed Creek is located approximately 340 m south of the Site and flows south towards Lake Ontario, located approximately 1.1 km south of the Site. Based on local topography and the proximity to Lake Ontario, the anticipated groundwater flow direction is to the south.
- The Site is expected to consist of Halton Till that predominantly silt to silty clay matrix, high in matrix carbonate content and clast poor.
- The bedrock in the general area of the Site is part of a group belonging to the Queenston Formation consisting of shale, limestone, dolostone and siltstone.

3.2 Previous Investigations

The following reports were available for review at the time of this Soil In-Situ Characterization Report for the Site:

1. A report entitled “Phase One Environmental Site Assessment, 276 Plains Road East, Burlington, Ontario” dated June 2023, prepared by EXP Services Inc. (EXP) on behalf of 284 Plains Road Development Inc. Pertinent information from the report is as follows:
    - The Phase One ESA was completed to the requirements of O.Reg. 153/04 in order to support the filing of a Record of Site Condition with the MECP.
    - The Site is located on the south side of Plains Road East, approximately 85 m east of Shadeland Avenue in Burlington, Ontario.
    - The Site has an area of approximately 0.19 hectares (0.47 acres) and contains one (1) commercial building which is occupied by Wellum Chiropractic Clinic.
    - The Site was first developed for commercial use in 1984.
    - EXP concluded that a Phase Two ESA was not required in advance of RSC filing.
2. A report entitled “Phase One Environmental Site Assessment, 284-292 Plains Road East, Burlington, Ontario” dated September 2020, prepared by EXP on behalf of Corley Developments Inc. Pertinent information from the report is as follows:
    - The Phase One ESA was completed to the requirements of O.Reg. 153/04 in order to support the filing of a Record of Site Condition with the MECP.
    - The Site is located on the south side of Plains Road East, approximately 65 m west of Filmandale Road in Burlington, Ontario.

- The Site has an area of approximately 0.32 hectares (0.78 acres) and contains two (2) vacant residential / commercial buildings, The Site building A (284 Plains Road East) occupies a footprint of approximately 128 m^2 (1,378 ft^2) in area and Site building B (292 Plains Road East) occupies a footprint of approximately 129 m^2 (1,386 ft^2) in area.
- The Site was first developed for residential use circa 1954.
- EXP concluded that a Phase Two ESA was not required in advance of RSC filing.

3. A report entitled "Geotechnical Investigation Report, 284-292 Plains Road East, Burlington, Ontario" dated September 2022, prepared by EXP on behalf of Auburn Developments. Pertinent information from the report is as follows:
   - The report was completed for the Site in order to evaluate the subsoil and groundwater conditions.
   - The investigation involved the advancement of four (4) boreholes (labelled BH-01 to BH-04), completed with monitoring wells in August 2020. BH-01, BH-03 and BH-04 were advanced to depths ranging from 11.3 to 15.9 m bgs. BH-02 was advanced to refusal on bedrock at a depth of approximately 20.7 m bgs, then the bedrock was cored to 24.9 m bgs.
   - The general stratigraphy at the Site, as observed in the boreholes was Surficial topsoil or the pavement structure was encountered at all borehole locations, with reworked soil or possible fill encountered immediately below in all boreholes, extending to depths of 0.8 to 1.8 m. The undisturbed native soil at the site consisted of sand overlying silty clay till. The silty clay till transitioned to till-shale complex, with the underlying shale bedrock contacted at a depth of 20.7 m below grade. The bedrock was confirmed by coring in Borehole BH-02 and consisted of red shale of the Queenston Formation.

4 Scope of Investigation

4.1 Overview of Site Investigation

The objective of the in-situ environmental characterization of excess soils is to support the proposed relocation of potential "excess soil" during development activities. Based on the sample frequency standards established in the regulation, a total of Forty-two (42) soil samples (including duplicates) were required to be analyzed for parameters in support of excess soil characterization (per O.Reg. 406/19) based on a characterization volume of 15,900 cubic metres (m^3) of soil. Per Section 3.2, previous soil sampling has been conducted at the Site within the proposed excess soils. Sampling for this investigation took into account the number of previously collected samples as the QPESA determined that the previous sampling results were valid and useable. If characterization of additional soil is required to support the required volume of "excess soil" generated during development, further characterization will be required of that additional soil.

4.1.1 Scope of Work

The scope of work for the in-situ environmental characterization of excess soil is as follows:

- Request local utility locating companies (e.g. cable, telephone, gas, hydro, water, sewer and storm water) to mark any underground utilities present at the Site;
- Retain a private utility locating company to mark any underground utilities present in the vicinity of the borehole locations and to clear the individual borehole locations;
- Retain and oversee a licensed drilling company to advance a total of eight (8) boreholes across the Site;
- Collect representative soil samples from the boreholes for laboratory analysis of some or all of the following Petroleum Hydrocarbons (PHCs) including benzene, toluene, ethylbenzene and xylenes (BTEX), Metals (including hydride-forming metals), Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR), pH, and Synthetic Precipitation Leaching Procedure (SPLP);
- Complete an elevation survey of the newly advanced boreholes;
- Analyze the data and prepare a report of the findings, in accordance with O.Reg 406/19 and O.Reg 153/04.

4.2 Media Investigated

The in-situ environmental characterization of excess soil included the investigation of the surface and subsurface soil on the Site. As there were no surface water bodies on the Site, sediment sampling was not required.

4.3 Deviations from Sampling and Analysis Plan

The field investigative and sampling program was carried out following the requirements of the Site Sampling and Analysis Plan (SAP) presented in Appendix A. No significant deviations from the SAP were reported, that could affect the sampling and data quality objectives for the Site.

4.4 Impediments

At the time of the Site investigation, there was no restrictions that did not allow for the completion of the boreholes.

5 Investigation Method

5.1 General

The Site investigative activities consisted of the following:

- Advancement of boreholes to the proposed area of excess soils to facilitate the collection of soil samples for in-situ soil characterization purposes

Boreholes were advanced in the overburden soils with a licensed drilling operator (Altech Drilling) under the full-time supervision of EXP staff. The drilling equipment used to advance the boreholes is described below. No petroleum-based greases or solvents were used during drilling activities.

The approximate locations of the boreholes are shown on Figure 2.

5.2 Underground Utilities

Prior to the commencement of test pitting activities, the locations of underground utilities including but not limited to cable, telephone, natural gas, electrical lines, water, sewer, and storm water conduits were marked out by public locating companies. In addition, a private utility locating service (Ontario Utility Locates) was retained to clear the individual borehole locations.

5.3 Borehole Program

The fieldwork for the in-situ environmental characterization of excess soil occurred between June 5 and 9, 2023. All boreholes were advanced under the full-time supervision of EXP staff.

Eight (8) boreholes were advanced to depths ranging from 3.66 to 11.28 metres below ground surface (m bgs). The boreholes were advanced using either a track-mounted D-50 equipped with hollow-stem and solid-stem augers and/or split spoon sampling equipment. No petroleum-based greases or solvents were used during drilling activities.

EXP continuously monitored the drilling activities to record the physical characteristics of the soil, depth of soil sample collection and total depth of boreholes. Field observations are summarized on the borehole logs provided in Appendix B. Representative soil samples from the boreholes were recovered in the overburden of the boreholes at regular intervals using a spilt spoon sampler.

Efforts to prevent cross contamination during the soil sampling program included the use of dedicated nitrile gloves, sampling containers, hermetic sampling syringes etc. during sampling handling, washing the auger flights between sample locations and cleaning the split spoon sampler between runs.

5.4 Soil: Sampling

The soil sampling conducted during the completion of the in-situ environmental characterization of excess soil was undertaken in accordance with the SAP presented in Appendix A, to ensure that soil quality was characterized in accordance with O.Reg. 406/19 and O.Reg. 153/04.

Soil samples for geologic characterization and chemical analysis were collected on a continuous basis in the overburden materials using sampling equipment advanced into the subsurface using track-mounted D-50 equipped with hollow-stem and /or solid stem augers and split spoons. Upon retrieval from the boreholes, the sample sleeves or split spoons were placed on a flat surface and disassembled by drilling personnel to provide access of the recovered cores. Geologic and sampling details of the recovered cores were logged and assessed for the potential presence of non-aqueous phase liquids. Soil stratigraphy encountered in the boreholes were texturally, visually, and olfactory classified in the field and in the laboratory. Soil samples

were logged for colour, grain size, moisture content, density, structures, texture, and/or staining. Field observations are summarized on the borehole logs provided in Appendix B.

Measures were taken in the field and during transport to preserve sample integrity prior to chemical analysis. Recommended volumes of soil samples selected for chemical analysis were collected from the recovered cores into pre-cleaned, laboratory-supplied glass sample jars/vials identified for the specified analytical test group. Samples intended for PHC fractions F1 and VOCs were collected using a laboratory-supplied soil core sampler, placed into the vials containing methanol for preservation purposes and sealed using Teflon lined lids.

Soil samples selected for laboratory analysis were placed in clean coolers containing ice prior to and during transportation to the subcontract laboratory, Bureau Veritas Laboratories (BV Labs), in Mississauga, Ontario. The samples were transported/submitted within the acceptable holding time to BV Labs following Chain of Custody protocols for chemical analysis.

Decontamination and other protocols were followed during sample collection and handling to minimize the potential for sample cross-contamination. New disposable nitrile gloves were used for the handling and sampling of each retrieved soil core.

Soil samples submitted for specific chemical analysis were selected on the basis of visual inspection, TOV readings, sample location, and/or depth interval.

Appropriate quality assurance/quality control (QA/QC) samples were collected during soil sampling, including field duplicate samples, as presented in Tables I to IV.

5.5 Soil: Field Screening Measurements

Where required for the characterization of volatile parameters, a portion of each composite soil sample was placed in a sealed plastic bag and allowed to reach ambient temperature prior to field screening, using an RKI Eagle II (RKI) device equipped with a Photoionization Detection (PID) instrument, calibrated with isobutylene and hexane gases. The measurements were made by inserting the instrument's probe into the plastic bag while manipulating the sample to ensure volatilization of the soil gases. These readings provide a real-time indication of the relative concentration of combustible vapours encountered in the subsurface during drilling and are used to aid in the assessment of the vertical and horizontal extent of volatile parameter contamination and the selection of soil samples for analysis.

The field screening measurements, in parts per million (ppm) isobutylene and hexane equivalents, are presented on the select borehole logs in Appendix B. It should be noted that field measurements are for screening purposes only and the presence/absence of contamination is determined by laboratory analysis.

Each sample was additionally examined for visual, textural, and olfactory classification at the time of sampling.

5.6 Analytical Testing

The contractual laboratory selected to perform the chemical analyses was BV Labs, of Mississauga, ON. BV Labs are an accredited laboratory under the Standards Council of Canada/Canadian Association of Laboratory Accreditation (Accredited Laboratory No. 97 and No. A3200, respectively) in accordance with ISO/IEC 17025:2005 – "General Requirements for the Competence of Testing and Calibration Laboratories". Certificates of Analysis were received from BV Labs reporting the results of all the chemical analyses performed on the submitted soil samples. Copies of the Certificates of Analysis are provided in Appendix C. Review of the Certificates of Analysis, prepared by BV Labs, indicates that they were in compliance with the requirements set out under subsection 47(3) of O. Reg. 153/04.

5.7 Residue Management Procedures

The residue materials produced during the borehole drilling, soil sampling programs and monitoring well sampling program comprised of soil cuttings from drilling activities. The soil cuttings generated from the boreholes, were stored on Site in 50-gallon drums pending the results of the investigation and future disposal activities.

5.8 Quality Assurance and Quality Control Measures

Quality Control/Quality Assurance (QA/QC) measures, as set out in the SAP, were implemented during sample collection, storage, and transport to provide accurate data representative of conditions in the surficial fill and upper overburden soils and the water table aquifer. The QA/QC measures included decontamination procedures to minimize the potential for sample cross contamination, the execution of standard operating procedures to collect representative and unbiased samples, the collection of quality control samples to evaluate sample precision and accuracy, and the implementation of measures to preserve sample integrity.

Decontamination protocols were followed during sample collection and handling to minimize the potential for cross-contamination. New disposable nitrile gloves were used for the handling and collection of samples from each soil interval.

Soil samples selected for chemical analyses were collected from the split spoon and placed directly into pre-cleaned, laboratory-supplied glass jars or vials. Sample volumes were consistent with analytical test group requirements as specified by the receiving laboratory.

Measures were followed to preserve sample integrity between collection and receipt by the contractual laboratory. All soil samples, immediately upon collection were placed in insulated coolers pre-chilled with ice for storage and transport to the contractual laboratory. Samples were received by the contractual laboratory within specific analytical test group holding time requirements.

Documentation procedures were followed to confirm sample identification and tracked sample movement. Each sample was assigned a unique identification ID number, which was recorded along with the date, time of sampling and requested analyses on labels affixed to the sampling containers, and in a bound field notebook. Chain of Custody protocols were followed to track sample handling and movement until receipt by the contractual laboratory. Field QA/QC samples were collected during the soil sampling. Duplicate samples were collected to evaluate sampling precision to evaluate the potential for sample cross-contamination during handling and transport.

A total of three (3) duplicate soil samples for each parameter were collected during the Site investigation. The field duplicates are presented in Tables I to IV.

6 Review and Evaluation

6.1 Geology

The soil investigation conducted at the Site for the environmental assessment consisted of the advancement of eight (8) boreholes to maximum depths ranging from 3.66 to 11.28 m bgs. The borehole logs describing geologic details of the soil cores recovered during the Site drilling activities are presented in Appendix B. Boundaries of soil indicated on the log sheets are intended to reflect transition zones for the purpose of environmental assessment and should not be interpreted as exact planes of geological change.

The general stratigraphy at the Site, as observed in the boreholes, was surficial topsoil or asphalt was encountered at all borehole locations, with granular fill encountered immediately below in all boreholes except for BH107. Silty sand fill was encountered in all boreholes extending to depths of 0.25 to 3.05 m bgs. The native soil at the Site consisted of sand overlying silty clay till. Refer to borehole logs provided in Appendix B for details of soil stratigraphy.

6.1.1 Surface Material

The surficial materials encountered were approximately 50 to 100 mm of asphalt over 76 to 300 mm of granular fill except for BH107 where topsoil was encountered.

6.1.2 Fill/Reworked Material

Fill was encountered below the asphalt/topsoil and granular fill in all boreholes and extended to approximately 3.05 m bgs. The fill comprised silty sand with trace clay.

6.1.3 Native Material

Native sand with some silt was encountered in all boreholes to a depth ranging from 2.29 to 9.45 m bgs. A silty clay till was encountered below the sand in BH102, BH103 and BH104 and contained trace sand and gravel.

6.1.4 Bedrock

Bedrock was not encountered during the drilling investigations at maximum termination depths of the boreholes at 11.28 m bgs.

6.2 Soil: Field Screening

TOV readings from each sample interval were measured for soil sample selected for BTEX/PHC and VOC analysis from all boreholes within the APECs where BTEX/PHCs and VOCs were identified as COCs. Vapour concentrations readings collected during test pitting were measured using the RKI Eagle 2 in ppm calibrated hexane. The vapour readings, in hexane, are provided on the borehole logs in Appendix B.

Soil samples submitted for chemical analysis were selected on the basis of visual inspection of the recovered soil samples, TOV readings, sample location and/or depth interval. Hexane readings indicate that there are insignificant volatile particles in the soil vapours.

6.3 Soil Quality

In accordance with the scope of work, chemical analyses were performed on selected soil samples recovered from various depth intervals across the boreholes. Copies of the laboratory Certificates of Analysis for the analyzed soil samples are provided in Appendix C. A summary of the analytical results for the soil samples, including the locations and depths of each

sample, a comparison of concentrations against applicable ESQS, and the identification of the potential contaminants of concern, are provided in Appendix C.

6.3.1 Petroleum Hydrocarbons (PHCs) including BTEX

Thirty-four (34) soil samples, including three (4) field duplicates, were analyzed for PHCs including BTEX. The results of the analysis together with the applicable Table 2.1 ESQS RPI/ICC and Table 1 SCS are presented in Table I.

As shown in Table I, PHCs including BTEX were either not detected, or detected below the applicable Table 2.1 ESQS RPI/ICC and Table 1 SCS.

The laboratory RDLs were below the Table 2.1 ESQS RPI/ICC and Table 1 SCS, with the exception of benzene and xylenes in BH107 (BH7 SS5) and BH108 (BH8 SS4).

6.3.2 Metals (including Hydride Forming Metals)

Thirty-four (34) soil samples, including three (3) duplicates, were analyzed for Metals including hydride-forming metals. The results of the analysis together with the applicable Table 2.1 ESQS RPI/ICC and Table 1 SCS are presented in Table II and III.

As shown in Table II and III, Metals were not detected, or detected below the applicable Table 2.1 ESQS RPI/ICC and Table 1 SCS. The laboratory RDLs were below the Table 2.1 ESQS RPI/ICC and Table 1 SCS.

6.3.3 Electrical Conductivity and Sodium Adsorption Ratio

Thirty-four (34) soil samples, including three (3) field duplicates, were analyzed for EC and SAR. The results of the analysis together with the applicable Table 2.1 ESQS RPI/ICC and Table 1 SCS are presented in Table IV.

As shown in Table IV, EC and SAR were either not detected, or detected below the applicable Table 2.1 ESQS RPI/ICC and Table 1 SCS, with the exception of:

- Table 1 SCS:
  - EC in BH102 (BH2 SS2), BH103 (BH/MW3 SS3), BH104 (BH4 SS2 and BH4 SS3), and BH105 (BH5 SS2 and BH5 SS3D [duplicate of BH5 SS3]); and,
  - SAR in BH101 (BH1 SS3), BH103 (BH/MW3 SS3 and BH/MW3 SS4), BH105 (BH5 SS3, BH5 SS3D [duplicate of BH5 SS3], and BH5 SS5), and BH106 (BH6 SS3).
- Table 1 SCS and Table 2.1 ESQS RPI:
  - SAR in BH103 (BH/MW3 SS2 and BH/MW3 SS5), BH105 (BH5 SS4), BH106 (BH6 SS4), and BH108 (BH8 SS3 and BH8 SS4).
  - EC in BH104 (BH4 SS2 and BH4 SS3)
- Table 1 SCS and Table 2.1 ESQS RPI/ICC:
  - SAR in BH101 (BH1 SS1), BH102 (BH2 SS2, BH2 SS3, BH202 SS3 [duplicate of BH2 SS3], BH2 SS4, and BH2 SS5), and BH104 (BH4 SS2, BH4 SS3, BH4 SS4, and BH4 SS5).

In accordance with Ontario Regulation (O.Reg.) 153/04, s. 49.1 (1) and at the discretion of the Qualified Person, the elevated EC and SAR concentrations are deemed not to be exceeded the Table 2.1 ESQS RPI/ICC and Table 1 SCS.

The laboratory RDLs were below the Table 2.1 ESQS RPI/ICC and Table 1 SCS.

6.3.4 pH

The Table 2.1 ESQS RPI/ICC and Table 1 SCS criteria are applicable if soil pH is in the range of 5 to 9 for surface soil (less than 1.5 m below soil surface) and 5 to 11 for subsurface soil (greater than 1.5 m below soil surface). The reported pH values for surface soils ranged between 7.13 and 7.81 and the subsurface soils ranged between 6.67 and 7.99.

Refer to Table IV for a summary of the soil samples analyzed for pH.

6.3.5 Synthetic Precipitation Leaching Procedure (SPLP)

Eight (8) soil samples were analyzed for Synthetic Precipitation Leaching Procedure. The results of the analysis together with the applicable Table 1 and Table 2.1 Leachate Screening Levels (LSL) are presented in Table 2. SPLP were not detected or were detected below the applicable Table 1 LSL and Table 2.1 LSL.

6.3.6 Chemical Transformation and Soil Contaminant Source

Based on the results of the investigation, salt impacted soil was found across the Project Area during the investigation.

6.3.7 Evidence of Non-Aqueous Phase Liquid

Inspection of the soil cores retrieved from the boreholes did not indicate the presence of non-aqueous phase liquid (NAPL), staining, or sheen at the time of the in-situ soil characterization program.

6.4 Sediment Quality

As no surface water body was located on-Site, the in-situ soil characterization program did not include sediment sampling.

6.5 Quality Assurance and Quality Control Measures

Quality assurance and quality control (QA/QC) measures were taken during the field activities to meet the objectives of the sampling and quality assurance plan to collect unbiased and representative samples to characterize existing conditions in the overburden and bedrock materials, and water table units at the Site.

Review of field activity documentation indicated that recommended sample volumes were collected from soil and groundwater for each analytical test group into appropriate containers and preserved with proper chemical reagents in accordance with the protocols set out in the "Protocol for Analytical Methods used in the Assessment of Properties under Part XV.1 of the *Environmental Protection Act*" (MECP, 2004). Samples were preserved at the required temperatures in pre-chilled insulated coolers and met applicable holding time requirements, when relinquished to the receiving laboratory.

Field QA/QC samples were collected during soil sampling. A total of three (3) duplicate soil samples for each were collected to evaluate sampling precision. Refer to Tables I to IV for a summary of the QA/QC samples collected and submitted for chemical analysis.

The field duplicate sample results were quantitatively evaluated by calculating the relative percent difference (RPD). The RPD values for all parameters analyzed in soil ranged from 0% to 35%. Assessment of the duplicate soil sample showed that the results generally met analytical test group specific acceptance criteria. The overall assessment indicates that the soil and groundwater samples were collected with an acceptable level of precision, and the data is acceptable quality for meeting the objectives of the Soil In-Situ Characterization Report.

The analytical program conducted by BV Labs included analytical test group specific QA/QC measures to evaluate the accuracy and precision of the analytical results and the efficiency of analyte recovery during solute extraction procedures. The laboratory QA/QC program consisted of the preparation and analysis of laboratory duplicate samples to assess precision and

sample homogeneity, method blanks to assess analytical bias, spiked blanks and QC standards to evaluate analyte recovery, matrix spikes to evaluate matrix interferences and surrogate compound recoveries (VOCs only) to evaluate extraction efficiency. The laboratory QA/QC results are presented in the Quality Assurance Report provided in the Certificate of Analysis prepared by BV Labs. The QA/QC results are reported as percent recoveries for matrix spikes, spike blanks and QC standards, relative percent difference for laboratory duplicates and analyte concentrations for method blanks. The QA/QC results were assessed against test group control limits in the case of spiked blanks, matrix spikes and surrogate recoveries and alert criteria in the case of method blanks and laboratory duplicates. Review of the laboratory QA/QC results reported by BV Labs indicated that they were within acceptable control limits or below applicable alert criteria for the sampled media and analytical test groups. Based on the assessment of the QA/QC, the analytical results reported are of acceptable quality and data qualifications are not required.

7 Conclusions

The results and findings of the in-situ soil characterization of excess soils conducted at the Site are summarized as follows:

1. Eight (8) boreholes were advanced by a licensed drilling contractor between June 5 and 9, 2023, to depths ranging from 3.66 to 11.28 metres below ground surface (m bgs).
2. The general stratigraphy at the Site, as observed in the boreholes, was surficial topsoil or asphalt was encountered at all borehole locations, with granular fill encountered immediately below in all boreholes except for BH107. Silty sand fill was encountered in all boreholes extending to depths of 0.25 to 3.05 m bgs. The native soil at the Site consisted of sand overlying silty clay till.
3. Soil samples were submitted for the analysis of one or more of the following: Petroleum Hydrocarbons (PHCs) including BTEX, Metals (including hydride-forming metals), Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR), pH and Synthetic Precipitation Leaching Procedure (SPLP).
4. For assessment purposes, EXP selected the Ministry of Environment, Conservation and Parks (MECP) (2019) Table 2.1: Full Depth Excess Soil Quality Standards (ESQS) in a Non-Potable Ground Water Condition for Residential / Parkland / Institutional (RPI) and Industrial/Commercial/Community (ICC) Property Use (Table 2.1 ESQS) and O. Reg 153/04 Table 1 : Full Depth Background SCS for Residential/Parkland/Institutional/Industrial/Commercial/Community (RPIICC) Property Use - coarse and/or fine textured soil (Table 1 SCS).
5. Thirty-four (34) soil samples, including three (3) duplicates, were analyzed for PHCs including BTEX. PHCs including BTEX were either not detected, or detected below the applicable Table 2.1 ESQS RPI/ICC and Table 1 SCS. The laboratory RDLs were below the Table 2.1 ESQS RPI/ICC and Table 1 SCS, with the exception of benzene and xylenes in BH7 SS5 and BH8 SS4.
6. Thirty-four (34) soil samples, including three (3) duplicates, were analyzed for Metals including hydride-forming metals. Metals were not detected or detected below the applicable Table 2.1 ESQS RPI/ICC and Table 1 SCS. The laboratory RDLs were below the Table 2.1 ESQS RPI/ICC and Table 1 SCS.
7. Thirty-four (34) soil samples, including three (3) duplicates, were analyzed for EC and SAR. EC and SAR were not detected above the applicable Table 2.1 ESQS RPI/ICC and Table 1 SCS, with the exception of:
    - Table 1 SCS:
        - EC in BH102 (BH2 SS2), BH103 (BH/MW3 SS3), BH104 (BH4 SS2 and BH4 SS3), and BH105 (BH5 SS2 and BH5 SS3D [duplicate of BH5 SS3]); and,
        - SAR in BH101 (BH1 SS3), BH103 (BH/MW3 SS3 and BH/MW3 SS4), BH105 (BH5 SS3, BH5 SS3D [duplicate of BH5 SS3], and BH5 SS5), and BH106 (BH6 SS3).
    - Table 1 SCS and Table 2.1 ESQS RPI:
        - SAR in BH103 (BH/MW3 SS2 and BH/MW3 SS5), BH105 (BH5 SS4), BH106 (BH6 SS4), and BH108 (BH8 SS3 and BH8 SS4).
        - EC in BH104 (BH4 SS2 and BH4 SS3)
    - Table 1 SCS and Table 2.1 ESQS RPI/ICC:
        - SAR in BH101 (BH1 SS1), BH102 (BH2 SS2, BH2 SS3, BH202 SS3 [duplicate of BH2 SS3], BH2 SS4, and BH2 SS5), and BH104 (BH4 SS2, BH4 SS3, BH4 SS4, and BH4 SS5).

    The laboratory RDLs were below the Table 2.1 ESQS RPI/ICC and Table 1 SCS.

8. The Table 2.1 ESQS RPI/ICC and Table 1 SCS criteria are applicable if soil pH is in the range of 5 to 9 for surface soil (less than 1.5 m below soil surface) and 5 to 11 for subsurface soil (greater than 1.5 m below soil surface). The reported pH values for surface soils ranged between 7.13 and 7.81 and the subsurface soils ranged between 6.67 and 7.99.
9. Eight (8) soil samples were analyzed for Synthetic Precipitation Leaching Procedure. The results of the analysis together with the applicable Table 1 and Table 2.1 Leachate Screening Levels (LSL) are presented in Table 2. SPLP were not detected or were detected below the applicable Table 1 LSL and Table 2.1 LSL.
10. No evidence of free product (i.e. visible film or sheen), or odour was observed during soil sampling.

Salt related parameters were found above Table 1 SCS and Table 2.1 ESQS RPI/ICC at the following locations: BH101, BH102, BH103, BH104, BH105, BH106, and BH108. It is noted that under O.Reg. 406/19, there are provisions for the re-use of salt-impacted soils and as such, opportunities for reuse may exist for soils removed from the Project Area during construction, depending on the receiving Site selected.

8 General Limitations

The information presented in this report is based on a limited investigation designed to provide information to support an assessment of the current environmental conditions within the subject property. The conclusions and recommendations presented in this report reflect Site conditions existing at the time of the investigation.

More specific information with respect to the conditions between samples, or the lateral and vertical extent of materials may become apparent during excavation operations. The interpretation of the borehole information must, therefore, be validated during any such excavation operations. Consequently, during the future development of the property, conditions not observed during this investigation may become apparent. Should this occur, EXP Services Inc. should be contacted to assess the situation, and the need for additional testing and reporting. EXP has qualified personnel to provide assistance in regards to any future geotechnical and environmental issues related to this property.

The environmental investigation was carried out to address the intent of applicable provincial Regulations, Guidelines, Policies, Standards, Protocols and Objectives administered by the Ministry of the Environment and Climate Change. It should also be noted that current environmental Regulations, Guidelines, Policies, Standards, Protocols and Objectives are subject to change, and such changes, when put into effect, could alter the conclusions and recommendations noted throughout this report. Achieving the study objectives stated in this report has required us to arrive at conclusions based upon the best information presently known to us. No investigative method can completely eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce the possibility to an acceptable level. Professional judgment was exercised in gathering and analyzing information obtained and in the formulation of the conclusions. Like all professional persons rendering advice, we do not act as absolute insurers of the conclusions we reach, but we commit ourselves to care and competence in reaching those conclusions.

Our undertaking at EXP, therefore, is to perform our work within limits prescribed by our clients, with the usual thoroughness and competence of the engineering profession. It is intended that the outcome of this investigation assist in reducing the client's risk associated with environmental impairment. Our work should not be considered 'risk mitigation'. No other warranty or representation, either expressed or implied, is included or intended in this report.

This report was prepared for the exclusive use of **284 Plains Road Development Inc.** and may not be reproduced in whole or in part, without the prior written consent of EXP, or used or relied upon in whole or in part by other parties for any purposes whatsoever. Any use which a third party makes of this report, or any part thereof, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. EXP Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

9 Closure

We trust this report is satisfactory for your purposes. Should you have any questions, please do not hesitate to contact this office.

Yours truly,

EXP Services Inc.



Nicole McQuoid, B.Sc., EPt
Environmental Technician
Environmental Services



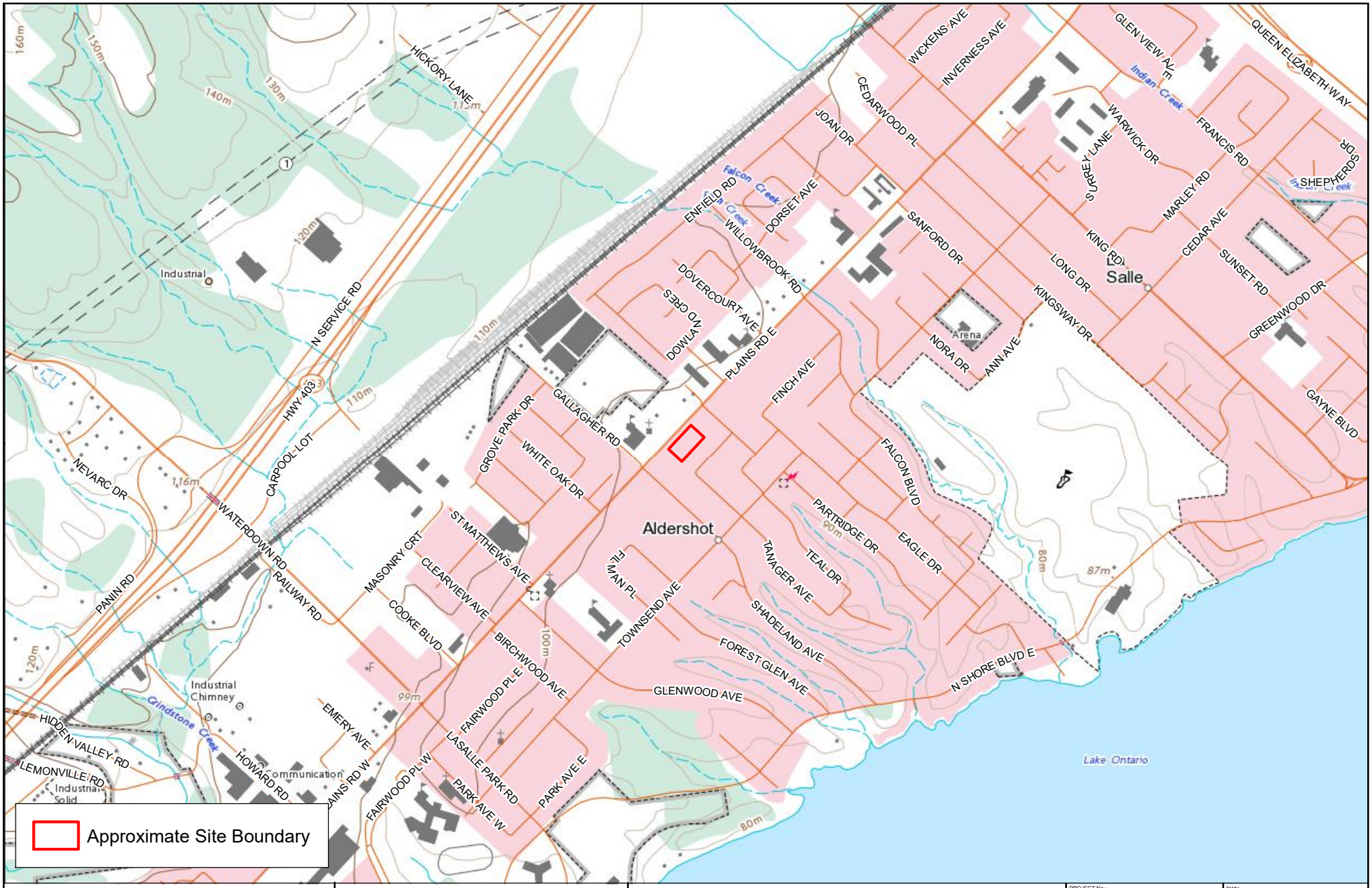
Jason Slidders, L.E.T.
Senior Project Manager
Environmental Services

10 References

This study was conducted in general accordance with the applicable Regulations, Guidelines, Policies, Standards, Protocols and Objectives administered by the Ministry of the Environment. Specific reference is made to the following:

1. Canadian Standards Association [CSA] (2000) Z769-00, Phase II Environmental Site Assessment. Canadian Standards Association, March 2000.
2. Environmental Protection Act, R.S.O. 1990, Chapter E.19, as amended, September 2004.
3. Ministry of the Environment [MECP] (1996) Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario. Ontario Ministry of the Environment, December 1996.
4. MECP (2011a) Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. Ontario Ministry of the Environment, March 2004, amended as of July 1, 2011.
5. MECP (2011) Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act. Ontario Ministry of the Environment, April 15, 20101.
6. Occupational Health and Safety Act - Ministry of Labour (MOL).
7. Ontario Regulation 153/04, made under the Environmental Protection Act, May 2004, amended.
8. Ontario Water Resources Act – R.R.O. 1990, Regulation 903, amended.
9. Ontario Geological Survey (2010a) Physiography of Southern Ontario (Scale 1:22,000).
10. Topographic Map available at the Natural Resources Canada (NRC) website http://atlas.nrcan.gc.ca/site/english/maps/topo/map
11. Ontario Geological Survey (2010b) Surficial geology of Southern Ontario (Scale 1:22,000).
12. Ontario Geological Survey (2011) Bedrock geology of Ontario (Scale 1:22,000).
13. “Phase One Environmental Site Assessment, 276 Plains Road East, Burlington, Ontario” dated June 2023, prepared by EXP Services Inc. (EXP) on behalf of 284 Plains Road Development Inc..
14. “Phase One Environmental Site Assessment, 284-292 Plains Road East, Burlington, Ontario” dated September 2020, prepared by EXP on behalf of Corley Developments Inc.
15. “Geotechnical Investigation Report, 284-292 Plains Road East, Burlington, Ontario” dated September 2022, prepared by EXP on behalf of Auburn Developments.

Figures



EXP Services Inc.
t: +1.905.793.9800 | f: +1.905.793.0641
1595 Clark Boulevard
Brampton, ON L6T 4V1
Canada
www.exp.com

•BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

N

0 150 300 450 600 750 m

TITLE AND LOCATION:

SITE LOCATION PLAN
Soil Characterization Program
276 - 292 Plains Road East
Burlington, Ontario

PROJECT No.:	DWN:
GTR-23002995-A0	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
JULY 2023	1



EXP Services Inc.
t: +1.905.793.9800 | f: +1.905.793.0641
1595 Clark Boulevard
Brampton, ON L6T 4V1
Canada
www.exp.com

•BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

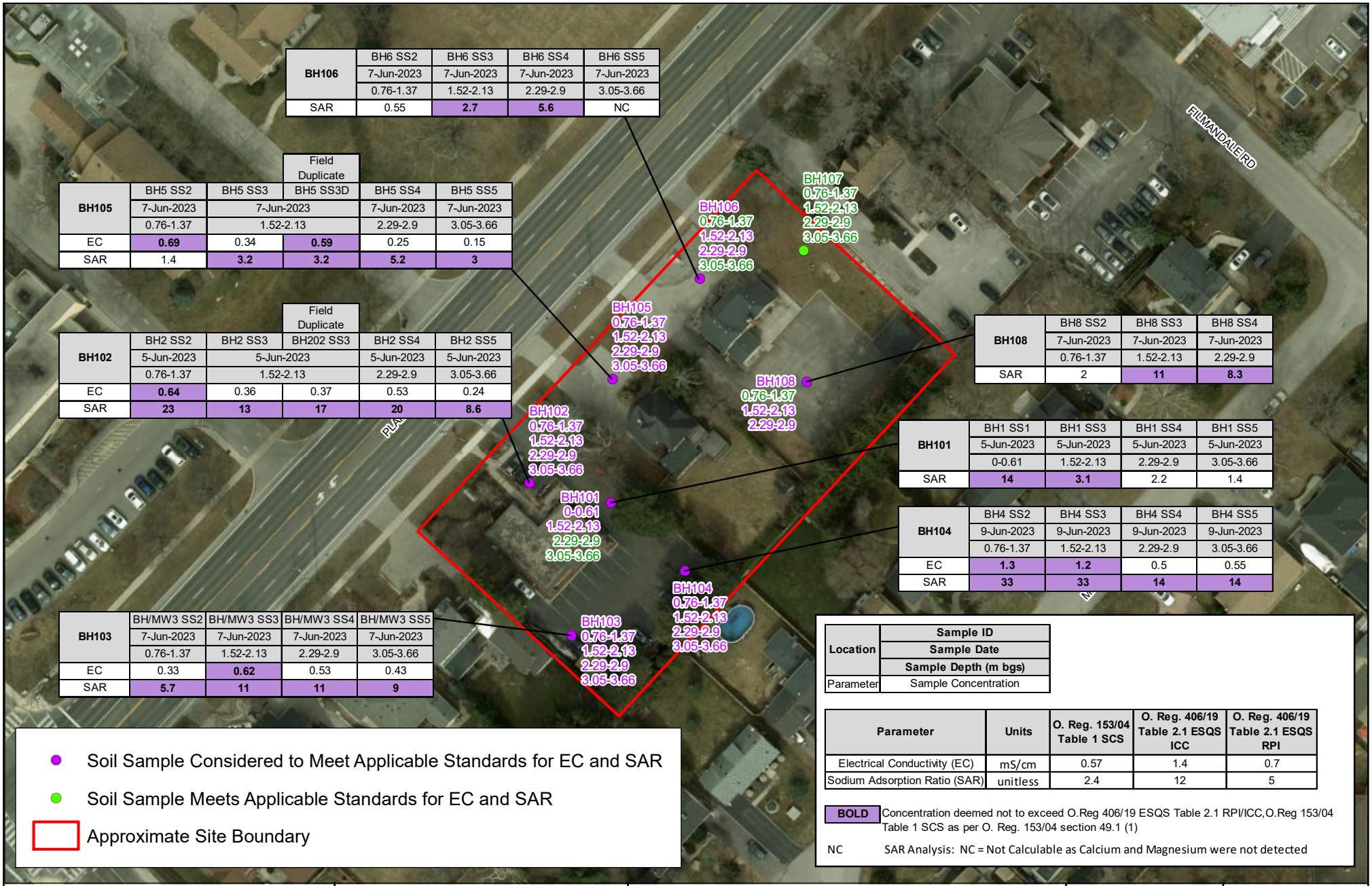
N

0 10 20 30 40 50 m

TITLE AND LOCATION:

BOREHOLE / MONITORING WELL
LOCATION PLAN
Soil Characterization Program
276 - 292 Plains Road East
Burlington, Ontario

PROJECT No.: GTR-23002995-A0	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: JULY 2023	FIG. No.: 2



BH106	BH6 SS2	BH6 SS3	BH6 SS4	BH6 SS5
	7-Jun-2023	7-Jun-2023	7-Jun-2023	7-Jun-2023
	0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66
SAR	0.55	**2.7**	**5.6**	NC

BH105	BH5 SS2	BH5 SS3	Field Duplicate BH5 SS3D	BH5 SS4	BH5 SS5
	7-Jun-2023	7-Jun-2023		7-Jun-2023	7-Jun-2023
	0.76-1.37	1.52-2.13		2.29-2.9	3.05-3.66
EC	**0.69**	0.34	**0.59**	0.25	0.15
SAR	1.4	**3.2**	**3.2**	**5.2**	**3**

BH102	BH2 SS2	BH2 SS3	Field Duplicate BH202 SS3	BH2 SS4	BH2 SS5
	5-Jun-2023	5-Jun-2023		5-Jun-2023	5-Jun-2023
	0.76-1.37	1.52-2.13		2.29-2.9	3.05-3.66
EC	**0.64**	0.36	0.37	0.53	0.24
SAR	**23**	**13**	**17**	**20**	**8.6**

BH103	BH/MW3 SS2	BH/MW3 SS3	BH/MW3 SS4	BH/MW3 SS5
	7-Jun-2023	7-Jun-2023	7-Jun-2023	7-Jun-2023
	0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66
EC	0.33	**0.62**	0.53	0.43
SAR	**5.7**	**11**	**11**	**9**

BH108	BH8 SS2	BH8 SS3	BH8 SS4
	7-Jun-2023	7-Jun-2023	7-Jun-2023
	0.76-1.37	1.52-2.13	2.29-2.9
SAR	2	**11**	**8.3**

BH101	BH1 SS1	BH1 SS3	BH1 SS4	BH1 SS5
	5-Jun-2023	5-Jun-2023	5-Jun-2023	5-Jun-2023
	0-0.61	1.52-2.13	2.29-2.9	3.05-3.66
SAR	**14**	**3.1**	2.2	1.4

BH104	BH4 SS2	BH4 SS3	BH4 SS4	BH4 SS5
	9-Jun-2023	9-Jun-2023	9-Jun-2023	9-Jun-2023
	0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66
EC	**1.3**	**1.2**	0.5	0.55
SAR	**33**	**33**	**14**	**14**

- Soil Sample Considered to Meet Applicable Standards for EC and SAR
- Soil Sample Meets Applicable Standards for EC and SAR
- Approximate Site Boundary

Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Units	O. Reg. 153/04 Table 1 SCS	O. Reg. 406/19 Table 2.1 ESQS ICC	O. Reg. 406/19 Table 2.1 ESQS RPI
Electrical Conductivity (EC)	mS/cm	0.57	1.4	0.7
Sodium Adsorption Ratio (SAR)	unitless	2.4	12	5

BOLD Concentration deemed not to exceed O.Reg 406/19 ESQS Table 2.1 RPI/ICC,O.Reg 153/04 Table 1 SCS as per O. Reg. 153/04 section 49.1 (1)

NC SAR Analysis: NC = Not Calculable as Calcium and Magnesium were not detected

EXP Services Inc.
t: +1.905.793.9800 | f: +1.905.793.0641
1595 Clark Boulevard
Brampton, ON L6T 4V1
Canada
www.exp.com

•BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
•INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY•

N

0 10 20 30 40 50 m

TITLE AND LOCATION:

SOIL EXCEEDANCES - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR)

Soil Characterization Program
276 - 292 Plains Road East
Burlington, Ontario

PROJECT No.:	DWN:
GTR-23002995-A0	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
JULY 2023	3

Tables

SOIL ANALYTICAL RESULTS:

Table I - Petroleum Hydrocarbons including BTEX in Soil
GTR-23002995-A0, Excess Soil Characterization Report
276-292 Plains Road East, Burlington, Ontario

Location ID					BH101				BH102				
Field Sample ID	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition ICC Property Use	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition RPI Property Use	RDL*	BH1 SS1	BH1 SS3	BH1 SS4	BH1 SS5	BH2 SS2	BH2 SS3	BH202 SS3	BH2 SS4	BH2 SS5
Lab ID					WAD268	WAD269	WAD270	WAD271	WAD272	WAD274	WAD275	WAD276	WAD278
Sampling Date					5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23
Soil Sample Depth (m)					0-0.61	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	Duplicate of BH2 SS3	2.29-2.9	3.05-3.66
Consultant					EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory					BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number					C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422
Benzene	0.02	0.02	0.02	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Toluene	0.2	0.2	0.2	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Ethylbenzene	0.05	0.05	0.05	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
m-Xylene + p-Xylene	NV	NV	NV	0.04	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
o-Xylene	NV	NV	NV	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Xylenes (Total)	0.05	0.091	0.091	0.04	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
PHC F1 (C6-C10)	25	NV	NV	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PHC F1 (C6-C10) - BTEX	25	25	25	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PHC F2 (C10-C16)	10	26	10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PHC F3 (C16-C34)	240	240	240	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
PHC F4 (C34-C50)	120	3300	2800	50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Reached baseline at C50?	NV	NV	NV	-	YES	YES	YES	YES	YES	YES	YES	YES	YES
PHC F4 (C34-C50)-gravimetric	120	3300	2800	50	-	-	-	-	-	-	-	-	-

All soil concentrations reported in µg/g.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS.
Non-detect but detection limit exceeds the MECP (2011) Table 1 SCS

SOIL ANALYTICAL RESULTS:

Table I - Petroleum Hydrocarbons including BTEX in Soil
GTR-23002995-A0, Excess Soil Characterization Report
276-292 Plains Road East, Burlington, Ontario

Location ID					BH103				BH104				BH105			
Field Sample ID	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition ICC Property Use	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition RPI Property Use	RDL*	BH/MW3 SS2	BH/MW3 SS3	BH/MW3 SS4	BH/MW3 SS5	BH4 SS2	BH4 SS3	BH4 SS4	BH4 SS5	BH5 SS2	BH5 SS3	BH5 SS4	BH5 SS5
Lab ID					WAZ063	WAZ064	WAZ065	WAZ066	WBR653	WBR654	WBR655	WBR656	WAZ067	WAZ068	WAZ069	WAZ070
Sampling Date					7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	9-Jun-23	9-Jun-23	9-Jun-23	9-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23
Soil Sample Depth (m)					0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66
Consultant					EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory					BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number					C3G6612	C3G6612	C3G6612	C3G6612	C3G9982	C3G9982	C3G9982	C3G9982	C3G6612	C3G6612	C3G6612	C3G6612
Benzene	0.02	0.02	0.02	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Toluene	0.2	0.2	0.2	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Ethylbenzene	0.05	0.05	0.05	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
m-Xylene + p-Xylene	NV	NV	NV	0.04	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
o-Xylene	NV	NV	NV	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Xylenes (Total)	0.05	0.091	0.091	0.04	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
PHC F1 (C6-C10)	25	NV	NV	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PHC F1 (C6-C10) - BTEX	25	25	25	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PHC F2 (C10-C16)	10	26	10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PHC F3 (C16-C34)	240	240	240	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
PHC F4 (C34-C50)	120	3300	2800	50	<50	<50	<50	<50	83	53	<50	<50	57	<50	<50	<50
Reached baseline at C50?	NV	NV	NV	-	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
PHC F4 (C34-C50)-gravimetric	120	3300	2800	50	-	-	-	-	-	-	-	-	-	-	-	-

All soil concentrations reported in µg/g.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS.
Non-detect but detection limit exceeds the MECP (2011) Table 1 SCS

SOIL ANALYTICAL RESULTS:

Table I - Petroleum Hydrocarbons including BTEX in Soil
GTR-23002995-A0, Excess Soil Characterization Report
276-292 Plains Road East, Burlington, Ontario

Location ID					BH106					BH107					BH108		
Field Sample ID	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition ICC Property Use	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition RPI Property Use	RDL*	BH6 SS2	BH6 SS3	BH6 SS4	BH6 SS4D	BH6 SS5	BH7 SS2	BH7 SS3	BH7 SS4	BH7 SS4D	BH7 SS5	BH8 SS2	BH8 SS3	BH8 SS4
Lab ID					WAZ072	WAZ073	WAZ074	WAZ075	WAZ076	WAZ077	WAZ078	WAZ079	WAZ080	WAZ081	WAZ125	WAZ126	WAZ127
Sampling Date					7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23
Soil Sample Depth (m)					0.76-1.37	1.52-2.13	2.29-2.9	Duplicate of BH6 SS4	3.05-3.66	0.76-1.37	1.52-2.13	2.29-2.9	Duplicate of BH7 SS4	3.05-3.66	0.76-1.37	1.52-2.13	2.29-2.9
Consultant					EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory					BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number					C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612
Benzene	0.02	0.02	0.02	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.040	<0.020	<0.020	<0.040
Toluene	0.2	0.2	0.2	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.040	<0.020	<0.020	<0.040
Ethylbenzene	0.05	0.05	0.05	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.040	<0.020	<0.020	<0.040
m-Xylene + p-Xylene	NV	NV	NV	0.04	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.080	<0.040	<0.040	<0.080
o-Xylene	NV	NV	NV	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.040	<0.020	<0.020	<0.040
Xylenes (Total)	0.05	0.091	0.091	0.04	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.080	<0.040	<0.040	<0.080
PHC F1 (C6-C10)	25	NV	NV	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<20
PHC F1 (C6-C10) - BTEX	25	25	25	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<20
PHC F2 (C10-C16)	10	26	10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PHC F3 (C16-C34)	240	240	240	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
PHC F4 (C34-C50)	120	3300	2800	50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	90	<50	<50
Reached baseline at C50?	NV	NV	NV	-	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
PHC F4 (C34-C50)-gravimetric	120	3300	2800	50	-	-	-	-	-	-	-	-	-	-	-	-	-

All soil concentrations reported in µg/g.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS.
Non-detect but detection limit exceeds the MECP (2011) Table 1 SCS

SOIL ANALYTICAL RESULTS:

Table II - Metals in Soil

GTR-23002995-A0, Excess Soil Characterization Report

276-292 Plains Road East, Burlington, Ontario

Location ID					BH101				BH102				
Field Sample ID	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition ICC Property Use	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition RPI Property Use	RDL*	BH1 SS1	BH1 SS3	BH1 SS4	BH1 SS5	BH2 SS2	BH2 SS3	BH202 SS3	BH2 SS4	BH2 SS5
Lab ID					WAD268	WAD269	WAD270	WAD271	WAD272	WAD274	WAD275	WAD276	WAD278
Sampling Date					5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23
Soil Sample Depth (m)					0-0.61	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	Duplicate of BH2 SS3	2.29-2.9	3.05-3.66
Consultant					EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory					BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number					C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422
Barium	220	670	390	2.0	24	23	13	11	20	23	15	23	7.2
Beryllium	2.5	8	4	0.4	0.37	0.52	0.21	<0.20	0.49	0.6	0.36	0.48	<0.20
Boron (Total)	36	120	120	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cadmium	1.2	1.9	1.2	0.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chromium (total)	70	160	160	5	9.2	14	7.4	4.3	10	12	8.7	13	3.4
Cobalt	21	80	22	0.5	5.2	9.8	3.8	2.9	6.5	7.8	6.7	9.4	2.2
Copper	92	230	140	1.0	26	28	12	14	22	26	25	31	9.6
Lead	120	120	120	1	11	8.6	4.2	4.7	14	8.6	7.3	8.8	3
Molybdenum	2	40	6.9	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	0.5	<0.50	<0.50	<0.50
Nickel	82	270	100	1	10	20	7.6	6.5	13	16	14	19	4.9
Silver	0.5	40	20	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium	1	3.3	1	0.5	<0.050	0.071	<0.050	<0.050	0.062	0.059	0.052	<0.050	<0.050
Uranium	2.5	33	23	0.50	0.29	0.37	0.39	0.21	0.34	0.37	0.28	0.41	0.19
Vanadium	86	86	86	0.4	14	21	17	7.4	17	19	15	20	6.4
Zinc	290	340	340	5	32	44	18	16	35	32	28	41	10

All soil concentrations reported in µg/g.

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds MECP (2011) Table 1 SCS.

Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS.

SOIL ANALYTICAL RESULTS:

Table II - Metals in Soil

GTR-23002995-A0, Excess Soil Characterization Report

276-292 Plains Road East, Burlington, Ontario

Location ID					BH103				BH104				BH105			
Field Sample ID	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition ICC Property Use	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition RPI Property Use	RDL*	BH/MW3 SS2	BH/MW3 SS3	BH/MW3 SS4	BH/MW3 SS5	BH4 SS2	BH4 SS3	BH4 SS4	BH4 SS5	BH5 SS2	BH5 SS3	BH5 SS3D	BH5 SS4
Lab ID					WAZ063	WAZ064	WAZ065	WAZ066	WBR653	WBR654	WBR655	WBR656	WAZ067	WAZ068	WAZ071	WAZ069
Sampling Date					7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	9-Jun-23	9-Jun-23	9-Jun-23	9-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23
Soil Sample Depth (m)					0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	Duplicate of BH5 SS3	2.29-2.9
Consultant					EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory					BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number					C3G6612	C3G6612	C3G6612	C3G6612	C3G9982	C3G9982	C3G9982	C3G9982	C3G6612	C3G6612	C3G6612	C3G6612
Barium	220	670	390	2.0	26	28	22	18	21	34	11	12	36	16	17	16
Beryllium	2.5	8	4	0.4	0.38	0.55	0.48	0.38	0.55	0.62	<0.20	<0.20	0.26	0.5	0.42	0.3
Boron (Total)	36	120	120	5	<5.0	5.5	5.3	5.9	7.1	6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cadmium	1.2	1.9	1.2	0.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.16	<0.10	<0.10	<0.10
Chromium (total)	70	160	160	5	10	13	12	10	14	16	4.9	7.3	8.6	11	12	8.3
Cobalt	21	80	22	0.5	5.6	8.1	7.4	5.5	8.2	10	2.9	3.8	3.7	7.2	7.4	5.7
Copper	92	230	140	1.0	21	25	22	19	23	28	12	14	12	27	24	22
Lead	120	120	120	1	13	18	9.8	7.4	17	11	3.9	4.8	19	8.1	8.7	6
Molybdenum	2	40	6.9	0.5	<0.50	0.54	<0.50	<0.50	0.82	0.52	<0.50	<0.50	0.51	<0.50	<0.50	<0.50
Nickel	82	270	100	1	11	17	16	12	17	21	6.2	7.9	8.2	16	16	12
Silver	0.5	40	20	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium	1	3.3	1	0.5	0.058	0.07	0.07	0.055	0.083	0.087	<0.050	<0.050	0.061	0.059	0.057	0.05
Uranium	2.5	33	23	0.50	0.34	0.4	0.41	0.36	0.47	0.44	0.22	0.29	0.27	0.32	0.31	0.24
Vanadium	86	86	86	0.4	17	21	20	19	22	25	10	19	14	18	17	14
Zinc	290	340	340	5	39	45	36	29	55	43	15	18	46	35	36	29

All soil concentrations reported in µg/g.

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds MECP (2011) Table 1 SCS.

Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS.

SOIL ANALYTICAL RESULTS:

Table II - Metals in Soil

GTR-23002995-A0, Excess Soil Characterization Report

276-292 Plains Road East, Burlington, Ontario

Location ID Field Sample ID Lab ID Sampling Date Soil Sample Depth (m) Consultant Laboratory Certificate of Analysis Number	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition ICC Property Use	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition RPI Property Use	RDL*	BH5 SS5 WAZ070 7-Jun-23 3.05-3.66 EXP BV Labs C3G6612
Barium	220	670	390	2.0	16
Beryllium	2.5	8	4	0.4	0.23
Boron (Total)	36	120	120	5	<5.0
Cadmium	1.2	1.9	1.2	0.5	<0.10
Chromium (total)	70	160	160	5	6.4
Cobalt	21	80	22	0.5	4.6
Copper	92	230	140	1.0	17
Lead	120	120	120	1	4.9
Molybdenum	2	40	6.9	0.5	<0.50
Nickel	82	270	100	1	9.8
Silver	0.5	40	20	0.5	<0.20
Thallium	1	3.3	1	0.5	<0.050
Uranium	2.5	33	23	0.50	0.26
Vanadium	86	86	86	0.4	11
Zinc	290	340	340	5	23

All soil concentrations reported in µg/g.

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds MECP (2011) Table 1 SCS.

Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS.

SOIL ANALYTICAL RESULTS:

Table II - Metals in Soil

GTR-23002995-A0, Excess Soil Characterization Report

276-292 Plains Road East, Burlington, Ontario

Location ID					BH106				BH107					BH108		
Field Sample ID	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition ICC Property Use	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition RPI Property Use	RDL*	BH6 SS2	BH6 SS3	BH6 SS4	BH6 SS5	BH7 SS2	BH7 SS3	BH7 SS4	BH7 SS5	BH7 SS5D	BH8 SS2	BH8 SS3	BH8 SS4
Lab ID					WAZ072	WAZ073	WAZ074	WAZ076	WAZ077	WAZ078	WAZ079	WAZ081	WAZ082	WAZ125	WAZ126	WAZ127
Sampling Date					7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23
Soil Sample Depth (m)					0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	Duplicate of BH7 SS5	0.76-1.37	1.52-2.13	2.29-2.9
Consultant					EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory					BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number					C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612
Barium	220	670	390	2.0	25	23	25	18	26	16	31	16	16	31	11	11
Beryllium	2.5	8	4	0.4	0.24	0.54	0.52	0.27	0.34	0.43	0.52	0.25	0.34	0.41	0.22	<0.20
Boron (Total)	36	120	120	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	6.8	<5.0	<5.0	<5.0	<5.0	<5.0
Cadmium	1.2	1.9	1.2	0.5	0.13	<0.10	<0.10	<0.10	0.15	<0.10	<0.10	<0.10	<0.10	0.21	<0.10	<0.10
Chromium (total)	70	160	160	5	6.7	12	13	7	13	11	15	8.2	9.4	15	5.6	5.7
Cobalt	21	80	22	0.5	3.2	7.2	7.4	4.8	5.3	7.1	11	4	5.2	6	3.8	2.7
Copper	92	230	140	1.0	8.5	20	26	20	17	24	28	15	19	19	15	11
Lead	120	120	120	1	12	8.9	9.3	5.2	19	8	9	8.2	7.1	22	4.2	3.4
Molybdenum	2	40	6.9	0.5	<0.50	<0.50	0.59	<0.50	0.53	<0.50	<0.50	<0.50	<0.50	0.56	<0.50	<0.50
Nickel	82	270	100	1	6.7	15	16	10	11	16	22	8.8	11	12	8.5	5.4
Silver	0.5	40	20	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium	1	3.3	1	0.5	0.056	0.067	0.067	<0.050	0.056	0.054	0.091	<0.050	<0.050	0.076	<0.050	<0.050
Uranium	2.5	33	23	0.50	0.22	0.34	0.34	0.19	0.35	0.31	0.3	0.23	0.28	0.4	0.2	0.26
Vanadium	86	86	86	0.4	11	19	19	12	17	16	22	11	14	16	9.7	14
Zinc	290	340	340	5	51	32	35	23	46	34	44	26	28	85	19	14

All soil concentrations reported in µg/g.

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds MECP (2011) Table 1 SCS.

Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS.

SOIL ANALYTICAL RESULTS:

Table III - Hydride-Forming Metals in Soil

GTR-23002995-A0, Excess Soil Characterization Report

276-292 Plains Road East, Burlington, Ontario

Location ID	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition ICC Property Use	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition RPI Property Use	RDL*	BH101				BH102				
Field Sample ID					BH1 SS1	BH1 SS3	BH1 SS4	BH1 SS5	BH2 SS2	BH2 SS3	BH202 SS3	BH2 SS4	BH2 SS5
Lab ID					WAD268	WAD269	WAD270	WAD271	WAD272	WAD274	WAD275	WAD276	WAD278
Sampling Date					5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23
Soil Sample Depth (m)					0-0.61	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	Duplicate of BH2 SS3	2.29-2.9	3.05-3.66
Consultant					EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory					BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number					C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422
Antimony	1.3	40	7.5	0.8	0.35	<0.20	<0.20	<0.20	<0.20	0.21	<0.20	0.23	<0.20
Arsenic	18	18	18	1	8.1	4.7	1.9	2.5	4.1	4.6	4	4.4	2.2
Selenium	1.5	5.5	2.4	0.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

All soil concentrations reported in µg/g.

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds MECP (2011) Table 1 SCS.

Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS.

SOIL ANALYTICAL RESULTS:

Table III - Hydride-Forming Metals in Soil

GTR-23002995-A0, Excess Soil Characterization Report

276-292 Plains Road East, Burlington, Ontario

Location ID	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition ICC Property Use	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition RPI Property Use	RDL*	BH103				BH104				BH105				
Field Sample ID					BH/MW3	BH/MW3	BH/MW3	BH/MW3	BH4 SS2	BH4 SS3	BH4 SS4	BH4 SS5	BH5 SS2	BH5 SS3	BH5 SS3D	BH5 SS4	BH5 SS5
Lab ID					WAZ063	WAZ064	WAZ065	WAZ066	WBR653	WBR654	WBR655	WBR656	WAZ067	WAZ068	WAZ071	WAZ069	WAZ070
Sampling Date					7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	9-Jun-23	9-Jun-23	9-Jun-23	9-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23
Soil Sample Depth (m)					0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	Duplicate of BH5 SS3	2.29-2.9	3.05-3.66
Consultant					EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory					BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number					C3G6612	C3G6612	C3G6612	C3G6612	C3G9982	C3G9982	C3G9982	C3G9982	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612
Antimony	1.3	40	7.5	0.8	<0.20	<0.20	<0.20	<0.20	0.27	0.3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Arsenic	18	18	18	1	4.8	4.9	4.1	3.3	4.8	4.1	1.9	2.6	3.5	4.5	4	3.7	3.2
Selenium	1.5	5.5	2.4	0.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

All soil concentrations reported in µg/g.

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds MECP (2011) Table 1 SCS.

Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS.

SOIL ANALYTICAL RESULTS:

Table III - Hydride-Forming Metals in Soil

GTR-23002995-A0, Excess Soil Characterization Report

276-292 Plains Road East, Burlington, Ontario

Location ID	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition ICC Property Use	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition RPI Property Use	RDL*	BH106				BH107					BH108		
Field Sample ID					BH6 SS2	BH6 SS3	BH6 SS4	BH6 SS5	BH7 SS2	BH7 SS3	BH7 SS4	BH7 SS5	BH7 SS5D	BH8 SS2	BH8 SS3	BH8 SS4
Lab ID					WAZ072	WAZ073	WAZ074	WAZ076	WAZ077	WAZ078	WAZ079	WAZ081	WAZ082	WAZ125	WAZ126	WAZ127
Sampling Date					7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23
Soil Sample Depth (m)					0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	Duplicate of BH7 SS5	0.76-1.37	1.52-2.13	2.29-2.9
Consultant					EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory					BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number					C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612
Antimony	1.3	40	7.5	0.8	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.22	<0.20	<0.20	0.22	<0.20	<0.20
Arsenic	18	18	18	1	2.5	4	4.6	3.1	4.7	3.9	4.4	3.1	3.3	4.7	2.5	2
Selenium	1.5	5.5	2.4	0.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

All soil concentrations reported in µg/g.

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds MECP (2011) Table 1 SCS.

Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS.

SOIL ANALYTICAL RESULTS:

Table IV - Other Regulated Parameters in Soil
GTR-23002995-A0, Excess Soil Characterization Report
276-292 Plains Road East, Burlington, Ontario

Location ID					BH101				BH102				
Field Sample ID	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition ICC Property Use	MECP (2022) Table 2.1: Full Depth ESQS for Potable Groundwater Condition RPI Property Use	RDL*	BH1 SS1	BH1 SS3	BH1 SS4	BH1 SS5	BH2 SS2	BH2 SS3	BH202 SS3	BH2 SS4	BH2 SS5
Lab ID					WAD268	WAD269	WAD270	WAD271	WAD272	WAD274	WAD275	WAD276	WAD278
Sampling Date					5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23	5-Jun-23
Soil Sample Depth (m)					0-0.61	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	Duplicate of BH2 SS3	2.29-2.9	3.05-3.66
Consultant					EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory					BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number					C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422	C3G2422
Electrical Conductivity (mS/cm)	0.57	1.4	0.7	0.002	0.53	0.4	0.2	0.18	**0.64**	0.36	0.37	0.53	0.24
Sodium Adsorption Ratio (unitless)	2.4	12	5	-	**14**	**3.1**	2.2	1.4	**23**	**13**	**17**	**20**	**8.6**
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	5-9 (surface soil); 5-11 (subsurface soil)	5-9 (surface soil); 5-11 (subsurface soil)	0.1	7.13	7.6	7.87	7.87	7.81	7.34	7.36	7.34	7.99

All soil concentrations reported as indicated.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS RPI/ICC.
Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS RPI.
SAR Analysis: NC = Not Calculable as Calcium and Magnesium were not detected
Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

SOIL ANALYTICAL RESULTS:

Table IV - Other Regulated Parameters in Soil
GTR-23002995-A0, Excess Soil Characterization Repor
276-292 Plains Road East, Burlington, Ontario

Location ID		BH103				BH104				BH105				
Field Sample ID	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	BH/MW3 SS2	BH/MW3 SS3	BH/MW3 SS4	BH/MW3 SS5	BH4 SS2	BH4 SS3	BH4 SS4	BH4 SS5	BH5 SS2	BH5 SS3	BH5 SS3D	BH5 SS4	BH5 SS5
Lab ID		WAZ063	WAZ064	WAZ065	WAZ066	WBR653	WBR654	WBR655	WBR656	WAZ067	WAZ068	WAZ071	WAZ069	WAZ070
Sampling Date		7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	9-Jun-23	9-Jun-23	9-Jun-23	9-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23
Soil Sample Depth (m)		0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	Duplicate of BH5 SS3	2.29-2.9	3.05-3.66
Consultant		EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory		BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number		C3G6612	C3G6612	C3G6612	C3G6612	C3G9982	C3G9982	C3G9982	C3G9982	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612
Electrical Conductivity (mS/cm)	0.57	0.33	**0.62**	0.53	0.43	**1.3**	**1.2**	0.5	0.55	**0.69**	0.34	**0.59**	0.25	0.15
Sodium Adsorption Ratio (unitless)	2.4	**5.7**	**11**	**11**	**9**	**33**	**33**	**14**	**14**	1.4	**3.2**	**3.2**	**5.2**	**3**
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	7.68	7.75	7.74	7.78	7.78	7.35	7.86	7.84	7.67	6.67	7.25	7.02	7.78

All soil concentrations reported as indicated.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Bold Concentration exceeds MECP (2011) Table 1 SCS and (
Bold Concentration exceeds MECP (2011) Table 1 SCS and (
SAR Analysis: NC = Not Calculable as Calcium and Mag
Sodium was not detected. To report SAR the sodium d

SOIL ANALYTICAL RESULTS:

Table IV - Other Regulated Parameters in Soil
GTR-23002995-A0, Excess Soil Characterization Repor
276-292 Plains Road East, Burlington, Ontario

Location ID		BH106				BH107					BH108		
Field Sample ID	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)	BH6 SS2	BH6 SS3	BH6 SS4	BH6 SS5	BH7 SS2	BH7 SS3	BH7 SS4	BH7 SS5	BH7 SS5D	BH8 SS2	BH8 SS3	BH8 SS4
Lab ID		WAZ072	WAZ073	WAZ074	WAZ076	WAZ077	WAZ078	WAZ079	WAZ081	WAZ082	WAZ125	WAZ126	WAZ127
Sampling Date		7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23
Soil Sample Depth (m)		0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	0.76-1.37	1.52-2.13	2.29-2.9	3.05-3.66	Duplicate of BH7 SS5	0.76-1.37	1.52-2.13	2.29-2.9
Consultant		EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory		BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number		C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612	C3G6612
Electrical Conductivity (mS/cm)	0.57	0.31	0.25	0.22	0.039	0.18	0.1	0.057	0.16	0.17	0.48	0.29	0.24
Sodium Adsorption Ratio (unitless)	2.4	0.55	**2.7**	**5.6**	NC	0.24	0.37	0.52	0.29	0.28	2	**11**	**8.30**
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	7.53	7.16	7.43	6.88	7.56	7.35	7	7.59	7.71	7.23	7.83	7.9

All soil concentrations reported as indicated.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Bold Concentration exceeds MECP (2011) Table 1 SCS and (
Bold Concentration exceeds MECP (2011) Table 1 SCS and (
SAR Analysis: NC = Not Calculable as Calcium and Mag
Sodium was not detected. To report SAR the sodium d

SOIL ANALYTICAL RESULTS:

Table IV - Other Regulated Parameters in Soil
GTR-23002995-A0, Excess Soil Characterization Repor
276-292 Plains Road East, Burlington, Ontario

Location ID Field Sample ID Lab ID Sampling Date Soil Sample Depth (m) Consultant Laboratory Certificate of Analysis Number	MECP (2011) Table 1: Full Depth Background SCS RPIICC Land Use (coarse and/or fine textured soil)
Electrical Conductivity (mS/cm)	0.57
Sodium Adsorption Ratio (unitless)	2.4
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)

All soil concentrations reported as indicated.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Bold Concentration exceeds MECP (2011) Table 1 SCS and (
Bold Concentration exceeds MECP (2011) Table 1 SCS and (
SAR Analysis: NC = Not Calculable as Calcium and Magn
Sodium was not detected. To report SAR the sodium de

SOIL ANALYTICAL RESULTS:

Table V - Synthetic Precipitaiton Leaching Procedure (SPLP) in Soil
GTR-23002995-A0, Excess Soil Characterization Report
276-292 Plains Road East, Burlington, Ontario

Sample ID				**SPLP1**	**SPLP2**	**SPLP 3**	**SPLP 4**	**SPLP 5**	**SPLP 6**	**SPLP 7**	**SPLP 8**
Lab ID	MECP (2022) Table 1: Leachate Screening Levels for Excess Soil Reuse	MECP (2022) Table 2.1: Leachate Screening Levels for Full Depth Excess Soil in a Non-Potable Groundwater Condition	RDL*	WAD357	WAD358	WAZ167	WAZ168	WAZ169	WAZ170	WAZ171	WBR624
Sampling Date				5-Jun-23	5-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	7-Jun-23	9-Jun-23
Consultant				EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory				BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs	BV Labs
Certificate of Analysis Number				C3G2446	C3G2446	C3G6621	C3G6621	C3G6621	C3G6621	C3G6621	C3G9976
Antimony Leachate	NV	6	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Arsenic Leachate	NV	NV	1	2	5	<1	<1	<1	<1	1	<1
Barium Leachate	NV	1000	5	<5	<5	<5	<5	<5	<5	<5	<5
Beryllium Leachate	NV	4	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron Leachate	NV	5000	10	<10	<10	<10	<10	<10	<10	<10	<10
Cadmium Leachate	NV	NV	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium Leachate	NV	50	5	<5	<5	<5	<5	<5	<5	<5	<5
Cobalt Leachate	NV	3.8	0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Copper Leachate	NV	14	1	6	3	1	4	<1	2	2	<1
Lead Leachate	NV	NV	0.5	0.8	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Molybdenum Leachate	23	23	1	<1	<1	1	6	<1	3	1	<1
Nickel Leachate	NV	78	1	2	<1	<1	<1	<1	<1	<1	<1
Selenium Leachate	NV	10	2	<2	<2	<2	<2	<2	<2	<2	<2
Silver Leachate	0.3	0.3	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Thallium Leachate	2	2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Uranium Leachate	NV	20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
Vanadium Leachate	NV	NV	1	4	4	<1	2	<1	<1	2	<1
Zinc Leachate	NV	180	5	5	<5	<5	<5	<5	<5	<5	<5

All soil concentrations reported in µg/L.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Bold Concentration exceeds MECP (2011) Table 1 SCS and (2022) Table 2.1 ESQS.

Appendix A – Sampling and Analysis Plan

Sampling and Analysis Plan

1. Introduction

The Sampling and Analysis Plan (SAP) that was developed in support of Ontario Regulation 406/19 On-Site and Excess Soil Management made under the Environmental Protection Act, R.S.O 1990, c. E.19, for the subject land known as 276-292 Plains Road East in Burlington, Ontario (hereinafter referred to as the 'Project Area'). An in-situ soil characterization of excess soil program will be conducted to provide further characterization of the Site's surface and subsurface conditions in advance of excess soil movement. The SAP presents the procedures and measures that will be undertaken during field investigative activities to characterize the Site conditions and meet the data quality objectives of the In-situ soil characterization of excess soil.

The SAP presents the sampling program proposed for the Site, the recommended procedures and protocols for sampling and related field activities, the data quality objectives, and the quality assurance/ quality control measures that will be undertaken to provide for the collection of accurate, reproducible and representative data.

2. Field Sampling Program

The field sampling program was developed in conjunction with the requirements set out in O. Reg 406/19 to advance eight (8) boreholes across the entire Project Area, which corresponds to a characterization volume of 15,900 m^3 of soil based on the sample frequency standards established in the regulation. Soil samples from the boreholes will be submitted for laboratory analysis of some or all of the following: petroleum hydrocarbons (PHCs) including benzene, toluene, ethylbenzene, and xylenes (BTEX), metals (including hydride-forming metals), pH, electrical conductivity (EC), sodium adsorption ratio (SAR) and Synthetic Precipitation Leaching Procedure (SPLP). Soil samples will be representative of the highest concentration of contaminants of potential concern on-site, both vertically and horizontally.

3. Field Methods

To meet the requirements of the field sampling program, the following field investigative methods will be undertaken:

- Borehole drilling; and,
- Soil Sampling;

The field investigative methods will be performed following the procedures and protocols set out in EXP's standard operating procedures and are outlined below.

3.1 Borehole Drilling

Boreholes will be advanced at the Site to facilitate the collection of soil samples for chemical analysis and geologic characterization. A total of eight (8) boreholes (identified as BH101 to BH108) are proposed to be advanced at the Project Area for the in-situ soil characterization of excess soil. Boreholes will be advanced up to a maximum depth of approximately 11.28 metres below ground surface (m bgs). The borehole locations (See Figure 2) will determine the presence or absence of impacts in the soils.

Prior to drilling, utility clearances will be obtained from public and private locators, as required. If any uncertainty regarding the location of a buried utility at a borehole location is encountered, hand augering or digging will be performed beforehand to confirm the location of the utility.

Where there is overlying asphalt or concrete, the overlying material will be mechanically cored to provide access to the underlying soil materials. The boreholes will be drilled by a licensed operator under the oversight of EXP field staff.

3.2 Soil Sampling

The soil samples will be collected using 5 cm diameter, 61 cm long, split spoons and solid stem augers or a 5 cm diameter, 1.2 m long, duel tube sampling system with interior dedicated vinyl sampling tubes. Upon retrieval from the boreholes, the split spoons or vinyl sampling tubes will be placed on a flat surface and disassembled by drilling personnel to provide access of the recovered cores. Geologic and sampling details of the recovered cores will be logged, and the samples will be assessed for the potential presence of non-aqueous phase liquids. Soil stratigraphy encountered in the boreholes will be texturally, visually and olfactory classified in the field and in the laboratory. Soil samples will be logged for colour, grain size, moisture content, density, structures, texture, staining, and field vapour readings. A Photo-ionization Detector (PID) or GastechtorTM will be utilized to screen the soil samples for Total Organic Vapour (TOV). Representative worst-case soil samples from each borehole will be collected and submitted to a certified laboratory for analysis based on TOV readings, sample depth, visual and/or olfactory field observations.

Recommended volumes of soil samples selected for chemical analysis will be collected into pre-cleaned laboratory-supplied glass sample jars/vials identified for the specified analytical test group. Samples intended for PHC/BTEX and VOCs will be collected using a laboratory-supplied soil core sampler, placed into the vials containing methanol for preservation purposes and sealed using Teflon lined septa lids. The samples will be placed into clean insulated coolers chilled with ice for storage and transport. The samples will be assigned unique identification numbers, and the date, time, location, and requested analyses for each sample will be documented in a bound field notebook. The samples will be submitted to the contractual laboratory within analytical test group holding times under Chain of Custody protocols. New disposable chemical resistant gloves will be used for each soil core to prevent sample cross-contamination.

4. Field Quality Assurance/Quality Control Program

The objective of the field quality assurance/quality control (QA/QC) program is to obtain soil samples and other field measurements that provide data of acceptable quality that meets the objectives of the in-situ soil characterization of excess soil. The objectives of the QA/QC program will be achieved through the implementation of procedures for the collection of unbiased (i.e. non-contaminated) samples, sample documentation and the collection of appropriate QC samples to provide a measure of sample reproducibility and accuracy. The field QA/QC measures will comprise:

- Decontamination Protocols;
- Equipment Calibration;
- Sample Preservation;
- Sample Documentation; and,
- Field Quality Control Samples.

Details on the field QA/QC measures are provided below.

4.1 Decontamination Protocols

Decontamination protocols will be followed during field sampling where non-dedicated sampling equipment is used to prevent sample cross contamination. For borehole sampling, new disposable nitrile gloves will be used for the handling and sampling of each retrieved soil sample and soil sampling devices will be cleaned/decontaminated between sampling intervals.

4.2 Equipment Calibration

All equipment requiring calibration will be calibrated in the field according to manufacturer's requirements using analytical grade reagents, or by the supplier prior to conducting field activities, and subsequently checked in the field. The calibration of all pre-calibrated instruments will be checked in the field using analytical grade reagents and re-calibrated as required. For multiple day sampling events, equipment calibration will be checked prior to the beginning of sampling activities. All calibration data will be documented in a bound hard cover notebook.

4.3 Sample Preservation

All samples will be preserved using appropriate analytical test group specific reagents, as required, and upon collection placed in pre-chilled insulated coolers packed with ice for storage and transport.

4.4 Sample Documentation

All samples will be assigned a unique identification number, which is to be recorded along with the date, time, project number, company name, location and requested analysis in a bound field notebook. All samples will be handled and transported following COC protocols.

4.5 Field Quality Control

Field quality control samples will be collected to evaluate the accuracy and reproducibility of the field sampling procedures. For soil sampling, one (1) field duplicate is to be collected for every ten (10) samples submitted for chemical analysis. The field duplicate samples will be assessed by calculating the relative percent difference and comparing to the analytical test group specific acceptance criteria.

Appendix B – Borehole Logs

Log of Borehole BH101

Project No. GTR-23002995-A0 Drawing No. 1

Project: Excess Soil Characterization Sheet No. 1 of 1

Location: 276-292 Plains Road East, Burlington

Please refer to the borehole location plan

Date Drilled: June 5, 2023

Drill Type: D-50 Track Mount. Hollow Stem

Datum: Relative

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			97.50	0	20 40 60	25 50 75				
		ASPHALT: (~90 mm thick)	~97.4							
		GRANULAR: (~240 mm thick)	~97.2							
		FILL: silty sand, trace clay, brown, moist				0 (H) 0 (I)		83	SS1	PHC/BTEX MET EC/SAR pH
				1		0 (H) 0 (I)		33	SS2	
				2		0 (H) 0 (I)		100	SS3	PHC/BTEX MET EC/SAR pH
		SAND: some silt, brown, moist	~95.2							
				3		0 (H) 0 (I)		92	SS4	PHC/BTEX MET EC/SAR pH
						0 (H) 0 (I)		96	SS5	PHC/BTEX MET EC/SAR pH
		End of Borehole at 3.66 m bgs.	~93.8	4						
		NOTES: 1) This drawing is to be read with the subject report. 2) Vapour readings measured using a Eagle 2 calibrated with hexane (H) and isobutylene (I).		5						
				6						
				7						
				8						
				9						
				10						
				11						
				12						
				13						
				14						

ENVIRONMENTAL-EXP SAMPLE.GPJ 6/26/23

Time	Water Level (m)	Depth to Cave (m)

EXP Services Inc.
Brampton, Ontario
Telephone: 905-793-9800
Facsimile: 905-793-0641

Log of Borehole BH/MW102

Project No. GTR-23002995-A0 Drawing No. 2

Project: Excess Soil Characterization Sheet No. 1 of 1

Location: 276-292 Plains Road East, Burlington

Please refer to the borehole location plan

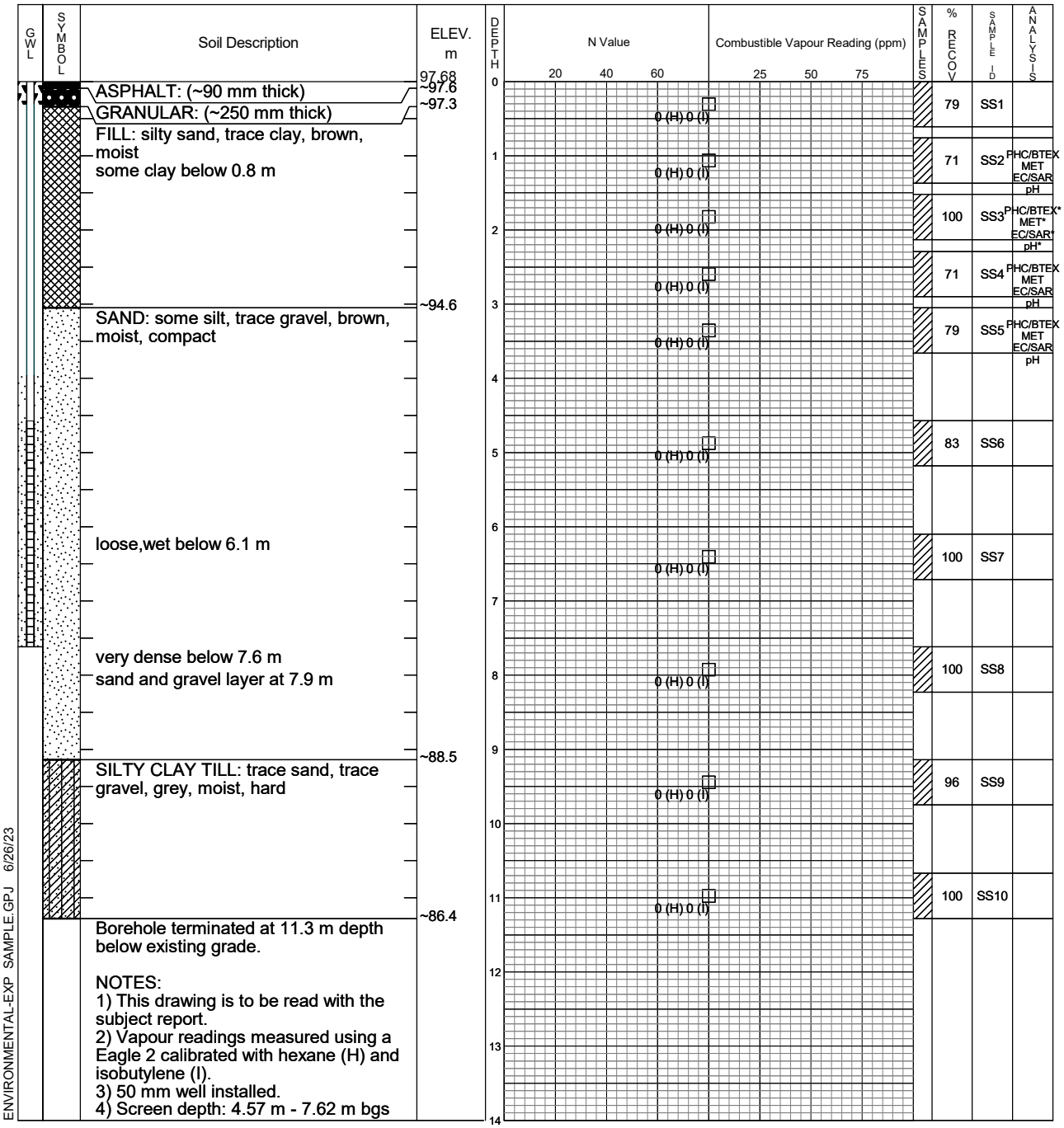
Date Drilled: June 5, 2023

Drill Type: D-50 Track Mount. Hollow Stem

Datum: Relative

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		



ENVIRONMENTAL-EXP SAMPLE.GPJ 6/26/23

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
		--

EXP Services Inc.
Brampton, Ontario
Telephone: 905-793-9800
Facsimile: 905-793-0641

Log of Borehole BH/MW103

Project No. GTR-23002995-A0 Drawing No. 3

Project: Excess Soil Characterization Sheet No. 1 of 1

Location: 276-292 Plains Road East, Burlington

Please refer to the borehole location plan

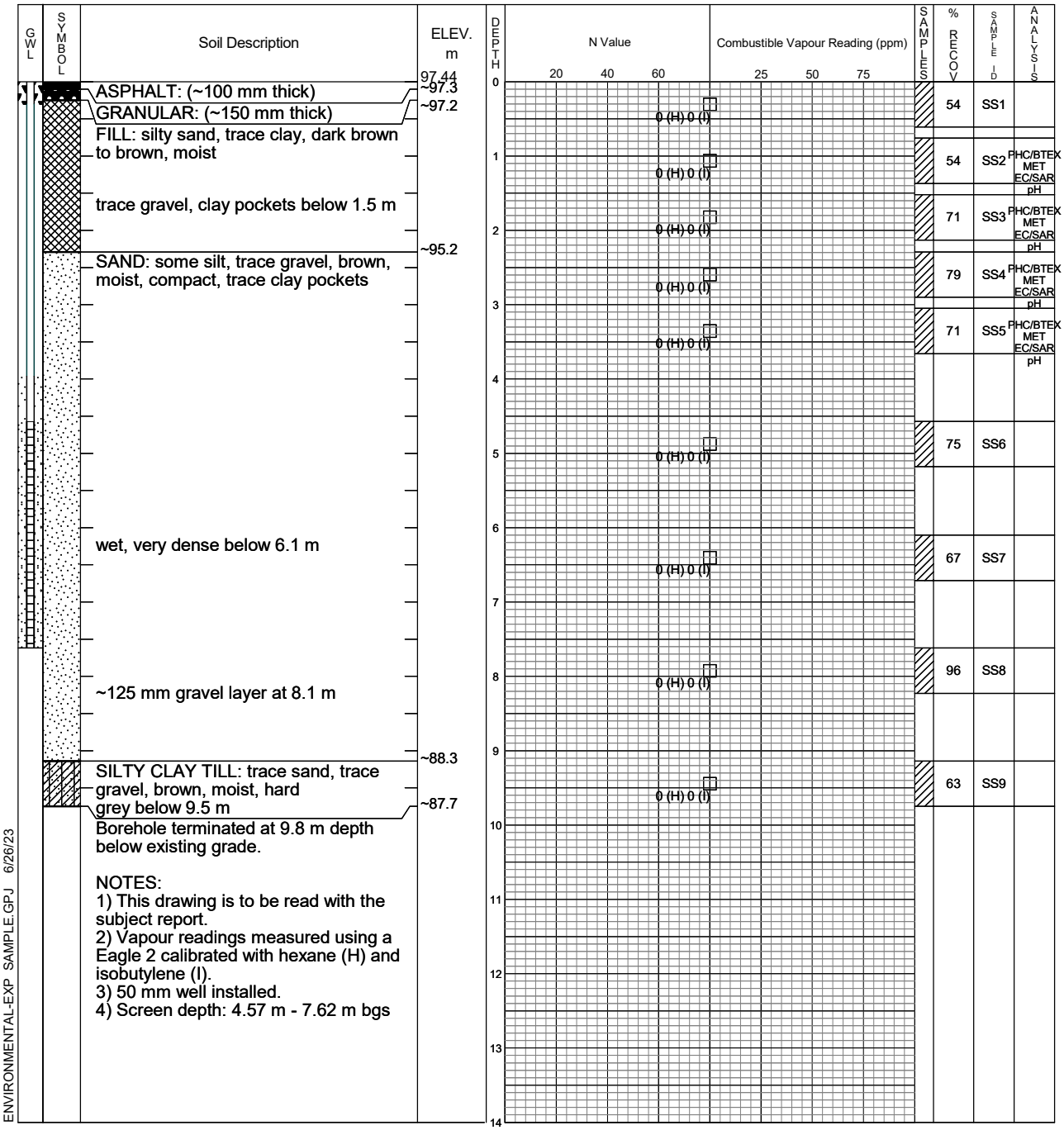
Date Drilled: June 7, 2023

Drill Type: D-50 Track Mount. Hollow Stem

Datum: Relative

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		



Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
		--

EXP Services Inc.
Brampton, Ontario
Telephone: 905-793-9800
Facsimile: 905-793-0641

Log of Borehole BH104

Project No. GTR-23002995-A0 Drawing No. 4

Project: Excess Soil Characterization Sheet No. 1 of 1

Location: 276-292 Plains Road East, Burlington

Please refer to the borehole location plan

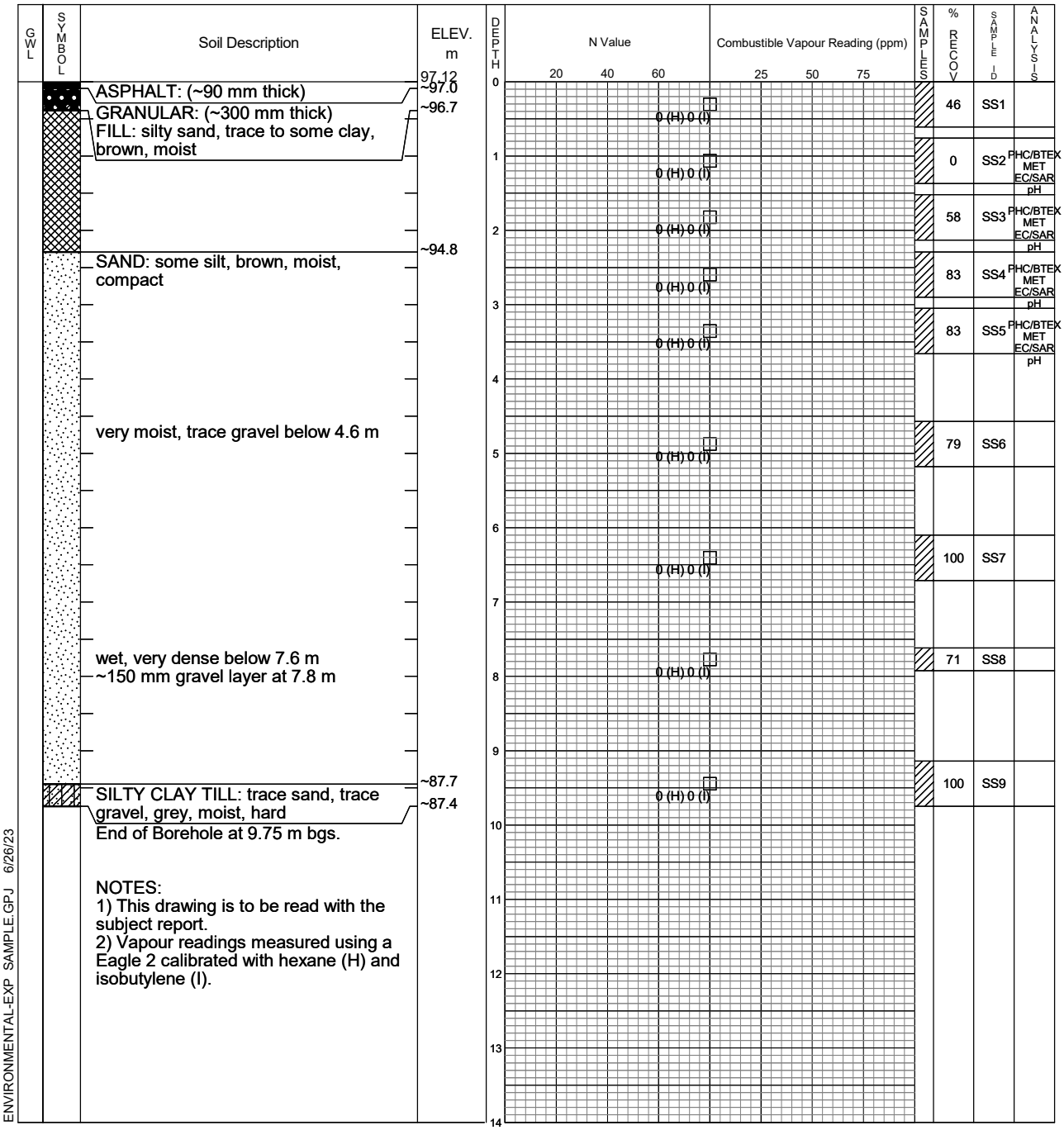
Date Drilled: June 9, 2023

Drill Type: D-50 Track Mount. Hollow Stem

Datum: Relative

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		



Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
		--

EXP Services Inc.
Brampton, Ontario
Telephone: 905-793-9800
Facsimile: 905-793-0641

Log of Borehole BH105

Project No. GTR-23002995-A0 Drawing No. 5

Project: Excess Soil Characterization Sheet No. 1 of 1

Location: 276-292 Plains Road East, Burlington

Please refer to the borehole location plan

Date Drilled: June 7, 2023

Drill Type: D-50 Track Mount. Hollow Stem

Datum: Relative

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			97.94	0	20 40 60	25 50 75				
		ASPHALT: (~60 mm thick)	~97.9							
		GRANULAR: (~76 mm thick)	~97.8							
		FILL: silty sand, trace clay, brown, moist				0 (H) 0 (I)		38	SS1	
				1		0 (H) 0 (I)		25	SS2	PHC/BTEX MET EC/SAR pH
				2		0 (H) 0 (I)		71	SS3	PHC/BTEX MET* EC/SAR* pH*
		SAND: some silt, brown, moist	~95.6			0 (H) 0 (I)		58	SS4	PHC/BTEX MET EC/SAR pH
				3		0 (H) 0 (I)		100	SS5	PHC/BTEX MET EC/SAR pH
		End of Borehole at 3.66 m bgs.	~94.3	4						
		NOTES: 1) This drawing is to be read with the subject report. 2) Vapour readings measured using a Eagle 2 calibrated with hexane (H) and isobutylene (I).		5 6 7 8 9 10 11 12 13 14						

ENVIRONMENTAL-EXP SAMPLE.GPJ 6/26/23

Time	Water Level (m)	Depth to Cave (m)

EXP Services Inc.
Brampton, Ontario
Telephone: 905-793-9800
Facsimile: 905-793-0641

Log of Borehole BH106

Project No. GTR-23002995-A0 Drawing No. 6

Project: Excess Soil Characterization Sheet No. 1 of 1

Location: 276-292 Plains Road East, Burlington

Please refer to the borehole location plan

Date Drilled: June 7, 2023

Drill Type: D-50 Track Mount. Hollow Stem

Datum: Relative

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			99.46	0	20 40 60	25 50 75				
		ASPHALT: (~50 mm thick)	~99.4							
		GRANULAR: (~76 mm thick)	~99.3							
		FILL: silty sand, trace clay, brown, moist				0 (H) 0 (I)		13	SS1	
				1		0 (H) 0 (I)		58	SS2	PHC/BTEX MET EC/SAR pH
				2		0 (H) 0 (I)		71	SS3	PHC/BTEX MET EC/SAR pH
		SAND: some silt, brown, moist	~97.2			0 (H) 0 (I)		0	SS4	PHC/BTEX* MET EC/SAR pH
				3		0 (H) 0 (I)		83	SS5	PHC/BTEX MET EC/SAR pH
		End of Borehole at 3.66 m bgs.	~95.8	4						
		NOTES: 1) This drawing is to be read with the subject report. 2) Vapour readings measured using a Eagle 2 calibrated with hexane (H) and isobutylene (I).		5						
				6						
				7						
				8						
				9						
				10						
				11						
				12						
				13						
				14						

ENVIRONMENTAL-EXP SAMPLE.GPJ 6/26/23

Time	Water Level (m)	Depth to Cave (m)

EXP Services Inc.
Brampton, Ontario
Telephone: 905-793-9800
Facsimile: 905-793-0641

Log of Borehole BH107

Project No. GTR-23002995-A0 Drawing No. 7

Project: Excess Soil Characterization Sheet No. 1 of 1

Location: 276-292 Plains Road East, Burlington

Please refer to the borehole location plan

Date Drilled: June 7, 2023

Drill Type: D-50 Track Mount. Hollow Stem

Datum: Relative

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			98.47	0	20 40 60	25 50 75				
		TOPSOIL: (~ mm thick)	~98.4							
		FILL: silty sand, trace clay, brown, moist				0 (H) 0 (I)		46	SS1	
				1		0 (H) 0 (I)		0	SS2	PHC/BTEX MET EC/SAR pH
				2		0 (H) 0 (I)		54	SS3	PHC/BTEX MET EC/SAR pH
						0 (H) 0 (I)		88	SS4	PHC/BTEX* MET EC/SAR pH
			~95.4	3						
		SAND: some silt, brown, moist	~94.8			0 (H) 0 (I)		79	SS5	PHC/BTEX MET* EC/SAR* pH*
		End of Borehole at 3.66 m bgs.		4						
				5						
				6						
				7						
				8						
				9						
				10						
				11						
				12						
				13						
				14						

NOTES:
1) This drawing is to be read with the subject report.
2) Vapour readings measured using a Eagle 2 calibrated with hexane (H) and isobutylene (I).

ENVIRONMENTAL-EXP SAMPLE.GPJ 6/26/23

Time	Water Level (m)	Depth to Cave (m)

EXP Services Inc.
Brampton, Ontario
Telephone: 905-793-9800
Facsimile: 905-793-0641

Log of Borehole BH108

Project No. GTR-23002995-A0 Drawing No. 8

Project: Excess Soil Characterization Sheet No. 1 of 1

Location: 276-292 Plains Road East, Burlington

Please refer to the borehole location plan

Date Drilled: June 7, 2023

Drill Type: D-50 Track Mount. Hollow Stem

Datum: Relative

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			98.26	0	20 40 60	25 50 75				
		ASPHALT: (~75 mm thick)	~98.2							
		GRANULAR: (~150 mm thick)	~98.0							
		FILL: silty sand, trace clay, brown, moist				0 (H) 0 (I)		50	SS1	
				1		0 (H) 0 (I)		0	SS2	PHC/BTEX MET EC/SAR pH
				2		0 (H) 0 (I)		58	SS3	PHC/BTEX MET EC/SAR pH
		SAND: some silt, brown, moist	~96.0			0 (H) 0 (I)		67	SS4	PHC/BTEX MET EC/SAR pH
				3		0 (H) 0 (I)		67	SS5	
			~94.6	4						
		End of Borehole at 3.66 m bgs.		5						
		NOTES: 1) This drawing is to be read with the subject report. 2) Vapour readings measured using a Eagle 2 calibrated with hexane (H) and isobutylene (I).		6						
				7						
				8						
				9						
				10						
				11						
				12						
				13						
				14						

ENVIRONMENTAL-EXP SAMPLE.GPJ 6/26/23

Time	Water Level (m)	Depth to Cave (m)

EXP Services Inc.
Brampton, Ontario
Telephone: 905-793-9800
Facsimile: 905-793-0641

Appendix C – Laboratory Certificate of Analysis

Your P.O. #: BRM-ENV
Your Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your C.O.C. #: N/A

Attention: Jason Slidders

exp Services Inc
Brampton Branch
1595 Clark Blvd
Brampton, ON
CANADA L6T 4V1

Report Date: 2023/06/15
Report #: R7673214
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3G2422
Received: 2023/06/06, 15:05

Sample Matrix: Soil
Samples Received: 10

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Conductivity	9	2023/06/09	2023/06/09	CAM SOP-00414	OMOE E3530 v1 m
Petroleum Hydro. CCME F1 & BTEX in Soil (1)	9	N/A	2023/06/09	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (2)	9	2023/06/07	2023/06/08	CAM SOP-00316	CCME CWS m
Acid Extractable Metals by ICPMS	9	2023/06/08	2023/06/08	CAM SOP-00447	EPA 6020B m
Moisture	9	N/A	2023/06/07	CAM SOP-00445	Carter 2nd ed 51.2 m
pH CaCl2 EXTRACT	9	2023/06/08	2023/06/08	CAM SOP-00413	EPA 9045 D m
Sodium Adsorption Ratio (SAR)	7	N/A	2023/06/15	CAM SOP-00102	EPA 6010C
Sodium Adsorption Ratio (SAR)	2	N/A	2023/06/09	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, MELCCFP, EPA, APHA.

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.

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) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.
(2) 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

Your P.O. #: BRM-ENV
Your Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your C.O.C. #: N/A

Attention: Jason Slidders

exp Services Inc
Brampton Branch
1595 Clark Blvd
Brampton, ON
CANADA L6T 4V1

Report Date: 2023/06/15
Report #: R7673214
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3G2422

Received: 2023/06/06, 15:05

reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003”. Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

AUTHORIZED REPORT
RAPPORT AUTORISÉ

Bureau Veritas
15 Jun 2023 11:53:40

Please direct all questions regarding this Certificate of Analysis to:
Patricia Legette, Project Manager
Email: Patricia.Legette@bureauveritas.com
Phone# (905)817-5799

==========

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 Job #: C3G2422
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

O.REG 406 EXCESS SOIL BULK ICPMS METALS (SOIL)

Bureau Veritas ID			WAD268	WAD269	WAD270	WAD271	WAD272	WAD273		
Sampling Date			2023/06/05	2023/06/05	2023/06/05	2023/06/05	2023/06/05	2023/06/05		
COC Number			N/A	N/A	N/A	N/A	N/A	N/A		
	UNITS	**Criteria**	**BH1 SS1**	**BH1 SS3**	**BH1 SS4**	**BH1 SS5**	**BH2 SS2**	**BH202 SS2**	**RDL**	**QC Batch**
Metals										
Acid Extractable Antimony (Sb)	ug/g	7.5	0.35	<0.20	<0.20	<0.20	<0.20	0.21	0.20	8713008
Acid Extractable Arsenic (As)	ug/g	18	8.1	4.7	1.9	2.5	4.1	4.6	1.0	8713008
Acid Extractable Barium (Ba)	ug/g	390	24	23	13	11	20	23	0.50	8713008
Acid Extractable Beryllium (Be)	ug/g	4	0.37	0.52	0.21	<0.20	0.49	0.60	0.20	8713008
Acid Extractable Boron (B)	ug/g	120	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	8713008
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8713008
Acid Extractable Chromium (Cr)	ug/g	160	9.2	14	7.4	4.3	10	12	1.0	8713008
Acid Extractable Cobalt (Co)	ug/g	22	5.2	9.8	3.8	2.9	6.5	7.8	0.10	8713008
Acid Extractable Copper (Cu)	ug/g	140	26	28	12	14	22	26	0.50	8713008
Acid Extractable Lead (Pb)	ug/g	120	11	8.6	4.2	4.7	14	8.6	1.0	8713008
Acid Extractable Molybdenum (Mo)	ug/g	6.9	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	0.50	8713008
Acid Extractable Nickel (Ni)	ug/g	100	10	20	7.6	6.5	13	16	0.50	8713008
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8713008
Acid Extractable Silver (Ag)	ug/g	20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8713008
Acid Extractable Thallium (Tl)	ug/g	1	<0.050	0.071	<0.050	<0.050	0.062	0.059	0.050	8713008
Acid Extractable Uranium (U)	ug/g	23	0.29	0.37	0.39	0.21	0.34	0.37	0.050	8713008
Acid Extractable Vanadium (V)	ug/g	86	14	21	17	7.4	17	19	5.0	8713008
Acid Extractable Zinc (Zn)	ug/g	340	32	44	18	16	35	32	5.0	8713008

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

O.REG 406 EXCESS SOIL BULK ICPMS METALS (SOIL)

Bureau Veritas ID			WAD274	WAD276	WAD278		
Sampling Date			2023/06/05	2023/06/05	2023/06/05		
COC Number			N/A	N/A	N/A		
	UNITS	**Criteria**	**BH2 SS3**	**BH2 SS4**	**BH2 SS5**	**RDL**	**QC Batch**
Metals							
Acid Extractable Antimony (Sb)	ug/g	7.5	<0.20	0.23	<0.20	0.20	8713005
Acid Extractable Arsenic (As)	ug/g	18	4.0	4.4	2.2	1.0	8713005
Acid Extractable Barium (Ba)	ug/g	390	15	23	7.2	0.50	8713005
Acid Extractable Beryllium (Be)	ug/g	4	0.36	0.48	<0.20	0.20	8713005
Acid Extractable Boron (B)	ug/g	120	<5.0	<5.0	<5.0	5.0	8713005
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	<0.10	<0.10	0.10	8713005
Acid Extractable Chromium (Cr)	ug/g	160	8.7	13	3.4	1.0	8713005
Acid Extractable Cobalt (Co)	ug/g	22	6.7	9.4	2.2	0.10	8713005
Acid Extractable Copper (Cu)	ug/g	140	25	31	9.6	0.50	8713005
Acid Extractable Lead (Pb)	ug/g	120	7.3	8.8	3.0	1.0	8713005
Acid Extractable Molybdenum (Mo)	ug/g	6.9	<0.50	<0.50	<0.50	0.50	8713005
Acid Extractable Nickel (Ni)	ug/g	100	14	19	4.9	0.50	8713005
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	<0.50	<0.50	0.50	8713005
Acid Extractable Silver (Ag)	ug/g	20	<0.20	<0.20	<0.20	0.20	8713005
Acid Extractable Thallium (Tl)	ug/g	1	0.052	<0.050	<0.050	0.050	8713005
Acid Extractable Uranium (U)	ug/g	23	0.28	0.41	0.19	0.050	8713005
Acid Extractable Vanadium (V)	ug/g	86	15	20	6.4	5.0	8713005
Acid Extractable Zinc (Zn)	ug/g	340	28	41	10	5.0	8713005

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

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

Bureau Veritas ID			WAD268	WAD269	WAD270	WAD271	WAD272	WAD274		
Sampling Date			2023/06/05	2023/06/05	2023/06/05	2023/06/05	2023/06/05	2023/06/05		
COC Number			N/A	N/A	N/A	N/A	N/A	N/A		
	UNITS	**Criteria**	**BH1 SS1**	**BH1 SS3**	**BH1 SS4**	**BH1 SS5**	**BH2 SS2**	**BH2 SS3**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons										
Benzene	ug/g	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8713486
Toluene	ug/g	0.99	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8713486
Ethylbenzene	ug/g	1.9	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8713486
o-Xylene	ug/g	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8713486
p+m-Xylene	ug/g	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8713486
Total Xylenes	ug/g	0.9	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8713486
F1 (C6-C10)	ug/g	25	<10	<10	<10	<10	<10	<10	10	8713486
F1 (C6-C10) - BTEX	ug/g	25	<10	<10	<10	<10	<10	<10	10	8713486
F2-F4 Hydrocarbons										
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	<10	<10	<10	<10	<10	10	8710419
F3 (C16-C34 Hydrocarbons)	ug/g	300	<50	<50	<50	<50	<50	<50	50	8710419
F4 (C34-C50 Hydrocarbons)	ug/g	2800	<50	<50	<50	<50	<50	<50	50	8710419
Reached Baseline at C50	ug/g	-	Yes	Yes	Yes	Yes	Yes	Yes		8710419
Surrogate Recovery (%)										
1,4-Difluorobenzene	%	-	99	101	101	99	100	99		8713486
4-Bromofluorobenzene	%	-	104	100	101	101	100	103		8713486
D10-o-Xylene	%	-	103	106	99	100	99	101		8713486
D4-1,2-Dichloroethane	%	-	85	86	87	87	88	86		8713486
o-Terphenyl	%	-	102	102	102	101	100	100		8710419

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

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

Bureau Veritas ID			WAD275	WAD276	WAD278		
Sampling Date			2023/06/05	2023/06/05	2023/06/05		
COC Number			N/A	N/A	N/A		
	UNITS	**Criteria**	**BH202 SS3**	**BH2 SS4**	**BH2 SS5**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons							
Benzene	ug/g	0.02	<0.020	<0.020	<0.020	0.020	8713486
Toluene	ug/g	0.99	<0.020	<0.020	<0.020	0.020	8713486
Ethylbenzene	ug/g	1.9	<0.020	<0.020	<0.020	0.020	8713486
o-Xylene	ug/g	-	<0.020	<0.020	<0.020	0.020	8713486
p+m-Xylene	ug/g	-	<0.040	<0.040	<0.040	0.040	8713486
Total Xylenes	ug/g	0.9	<0.040	<0.040	<0.040	0.040	8713486
F1 (C6-C10)	ug/g	25	<10	<10	<10	10	8713486
F1 (C6-C10) - BTEX	ug/g	25	<10	<10	<10	10	8713486
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	<10	<10	10	8710419
F3 (C16-C34 Hydrocarbons)	ug/g	300	<50	<50	<50	50	8710419
F4 (C34-C50 Hydrocarbons)	ug/g	2800	<50	<50	<50	50	8710419
Reached Baseline at C50	ug/g	-	Yes	Yes	Yes		8710419
Surrogate Recovery (%)							
1,4-Difluorobenzene	%	-	99	97	100		8713486
4-Bromofluorobenzene	%	-	102	103	101		8713486
D10-o-Xylene	%	-	103	100	102		8713486
D4-1,2-Dichloroethane	%	-	85	89	88		8713486
o-Terphenyl	%	-	97	99	99		8710419

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

SODIUM ADSORPTION RATIO (SAR)

Bureau Veritas ID			WAD268	WAD269	WAD270	WAD271	WAD272	WAD273	WAD274	
Sampling Date			2023/06/05	2023/06/05	2023/06/05	2023/06/05	2023/06/05	2023/06/05	2023/06/05	
COC Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	UNITS	**Criteria**	**BH1 SS1**	**BH1 SS3**	**BH1 SS4**	**BH1 SS5**	**BH2 SS2**	**BH202 SS2**	**BH2 SS3**	**QC Batch**
Calculated Parameters										
Sodium Adsorption Ratio	N/A	5	**14**	3.1	2.2	1.4	**23**	**13**	**17**	8707550

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

Bureau Veritas ID			WAD276	WAD278	
Sampling Date			2023/06/05	2023/06/05	
COC Number			N/A	N/A	
	UNITS	**Criteria**	**BH2 SS4**	**BH2 SS5**	**QC Batch**
Calculated Parameters					
Sodium Adsorption Ratio	N/A	5	**20**	**8.6**	8707550

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com
Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID			WAD268	WAD269	WAD270	WAD271	WAD272		
Sampling Date			2023/06/05	2023/06/05	2023/06/05	2023/06/05	2023/06/05		
COC Number			N/A	N/A	N/A	N/A	N/A		
	UNITS	**Criteria**	**BH1 SS1**	**BH1 SS3**	**BH1 SS4**	**BH1 SS5**	**BH2 SS2**	**RDL**	**QC Batch**
Inorganics									
Conductivity	mS/cm	0.7	0.53	0.40	0.20	0.18	0.64	0.002	8715032
Moisture	%	-	11	12	11	5.2	12	1.0	8709794
Available (CaCl2) pH	pH	-	7.13	7.60	7.87	7.87	7.81		8712642

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

Bureau Veritas ID			WAD272			WAD273			WAD274		
Sampling Date			2023/06/05			2023/06/05			2023/06/05		
COC Number			N/A			N/A			N/A		
	UNITS	**Criteria**	**BH2 SS2 Lab-Dup**	**RDL**	**QC Batch**	**BH202 SS2**	**RDL**	**QC Batch**	**BH2 SS3**	**RDL**	**QC Batch**
Inorganics											
Conductivity	mS/cm	0.7				0.36	0.002	8715032	0.37	0.002	8714735
Moisture	%	-	12	1.0	8709794				13	1.0	8709794
Available (CaCl2) pH	pH	-				7.34		8712642	7.36		8712642

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID			WAD275			WAD276		WAD278		
Sampling Date			2023/06/05			2023/06/05		2023/06/05		
COC Number			N/A			N/A		N/A		
	UNITS	**Criteria**	**BH202 SS3**	**RDL**	**QC Batch**	**BH2 SS4**	**QC Batch**	**BH2 SS5**	**RDL**	**QC Batch**
Inorganics										
Conductivity	mS/cm	0.7				0.53	8715032	0.24	0.002	8714735
Moisture	%	-	14	1.0	8709794	17	8709794	5.3	1.0	8709794
Available (CaCl2) pH	pH	-				7.34	8712642	7.99		8712642

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

TEST SUMMARY

Bureau Veritas ID: WAD268
Sample ID: BH1 SS1
Matrix: Soil

Collected: 2023/06/05
Shipped:
Received: 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8715032	2023/06/09	2023/06/09	Gurparteek KAUR
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8713486	N/A	2023/06/09	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8710419	2023/06/07	2023/06/08	Emir Danisman
Acid Extractable Metals by ICPMS	ICP/MS	8713008	2023/06/08	2023/06/08	Daniel Teclu
Moisture	BAL	8709794	N/A	2023/06/07	Simrat Bhathal
pH CaCl2 EXTRACT	AT	8712642	2023/06/08	2023/06/08	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8707550	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAD269
Sample ID: BH1 SS3
Matrix: Soil

Collected: 2023/06/05
Shipped:
Received: 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8715032	2023/06/09	2023/06/09	Gurparteek KAUR
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8713486	N/A	2023/06/09	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8710419	2023/06/07	2023/06/08	Emir Danisman
Acid Extractable Metals by ICPMS	ICP/MS	8713008	2023/06/08	2023/06/08	Daniel Teclu
Moisture	BAL	8709794	N/A	2023/06/07	Simrat Bhathal
pH CaCl2 EXTRACT	AT	8712642	2023/06/08	2023/06/08	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8707550	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAD270
Sample ID: BH1 SS4
Matrix: Soil

Collected: 2023/06/05
Shipped:
Received: 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8715032	2023/06/09	2023/06/09	Gurparteek KAUR
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8713486	N/A	2023/06/09	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8710419	2023/06/07	2023/06/08	Emir Danisman
Acid Extractable Metals by ICPMS	ICP/MS	8713008	2023/06/08	2023/06/08	Daniel Teclu
Moisture	BAL	8709794	N/A	2023/06/07	Simrat Bhathal
pH CaCl2 EXTRACT	AT	8712642	2023/06/08	2023/06/08	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8707550	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAD271
Sample ID: BH1 SS5
Matrix: Soil

Collected: 2023/06/05
Shipped:
Received: 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8715032	2023/06/09	2023/06/09	Gurparteek KAUR
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8713486	N/A	2023/06/09	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8710419	2023/06/07	2023/06/08	Emir Danisman
Acid Extractable Metals by ICPMS	ICP/MS	8713008	2023/06/08	2023/06/08	Daniel Teclu

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TEST SUMMARY

Bureau Veritas ID: WAD271 **Collected:** 2023/06/05
Sample ID: BH1 SS5 **Shipped:**
Matrix: Soil **Received:** 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8709794	N/A	2023/06/07	Simrat Bhathal
pH CaCl2 EXTRACT	AT	8712642	2023/06/08	2023/06/08	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8707550	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAD272 **Collected:** 2023/06/05
Sample ID: BH2 SS2 **Shipped:**
Matrix: Soil **Received:** 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8715032	2023/06/09	2023/06/09	Gurparteek KAUR
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8713486	N/A	2023/06/09	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8710419	2023/06/07	2023/06/08	Emir Danisman
Acid Extractable Metals by ICPMS	ICP/MS	8713008	2023/06/08	2023/06/08	Daniel Teclu
Moisture	BAL	8709794	N/A	2023/06/07	Simrat Bhathal
pH CaCl2 EXTRACT	AT	8712642	2023/06/08	2023/06/08	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8707550	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAD272 Dup **Collected:** 2023/06/05
Sample ID: BH2 SS2 **Shipped:**
Matrix: Soil **Received:** 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8709794	N/A	2023/06/07	Simrat Bhathal

Bureau Veritas ID: WAD273 **Collected:** 2023/06/05
Sample ID: BH202 SS2 **Shipped:**
Matrix: Soil **Received:** 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8715032	2023/06/09	2023/06/09	Gurparteek KAUR
Acid Extractable Metals by ICPMS	ICP/MS	8713008	2023/06/08	2023/06/08	Daniel Teclu
pH CaCl2 EXTRACT	AT	8712642	2023/06/08	2023/06/08	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8707550	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAD274 **Collected:** 2023/06/05
Sample ID: BH2 SS3 **Shipped:**
Matrix: Soil **Received:** 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8714735	2023/06/09	2023/06/09	Gurparteek KAUR
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8713486	N/A	2023/06/09	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8710419	2023/06/07	2023/06/08	Emir Danisman
Acid Extractable Metals by ICPMS	ICP/MS	8713005	2023/06/08	2023/06/08	Indira HarryPaul
Moisture	BAL	8709794	N/A	2023/06/07	Simrat Bhathal

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TEST SUMMARY

Bureau Veritas ID: WAD274 **Collected:** 2023/06/05
Sample ID: BH2 SS3 **Shipped:**
Matrix: Soil **Received:** 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH CaCl2 EXTRACT	AT	8712642	2023/06/08	2023/06/08	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8707550	N/A	2023/06/09	Automated Statchk

Bureau Veritas ID: WAD275 **Collected:** 2023/06/05
Sample ID: BH202 SS3 **Shipped:**
Matrix: Soil **Received:** 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8713486	N/A	2023/06/09	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8710419	2023/06/07	2023/06/08	Emir Danisman
Moisture	BAL	8709794	N/A	2023/06/07	Simrat Bhathal

Bureau Veritas ID: WAD276 **Collected:** 2023/06/05
Sample ID: BH2 SS4 **Shipped:**
Matrix: Soil **Received:** 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8715032	2023/06/09	2023/06/09	Gurparteek KAUR
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8713486	N/A	2023/06/09	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8710419	2023/06/07	2023/06/08	Emir Danisman
Acid Extractable Metals by ICPMS	ICP/MS	8713005	2023/06/08	2023/06/08	Indira HarryPaul
Moisture	BAL	8709794	N/A	2023/06/07	Simrat Bhathal
pH CaCl2 EXTRACT	AT	8712642	2023/06/08	2023/06/08	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8707550	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAD278 **Collected:** 2023/06/05
Sample ID: BH2 SS5 **Shipped:**
Matrix: Soil **Received:** 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8714735	2023/06/09	2023/06/09	Gurparteek KAUR
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8713486	N/A	2023/06/09	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8710419	2023/06/07	2023/06/08	Emir Danisman
Acid Extractable Metals by ICPMS	ICP/MS	8713005	2023/06/08	2023/06/08	Indira HarryPaul
Moisture	BAL	8709794	N/A	2023/06/07	Simrat Bhathal
pH CaCl2 EXTRACT	AT	8712642	2023/06/08	2023/06/08	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8707550	N/A	2023/06/09	Automated Statchk

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

GENERAL COMMENTS

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

Package 1	1.7°C

Results relate only to the items tested.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8710419	o-Terphenyl	2023/06/08	103	60 - 130	99	60 - 130	107	%		
8713486	1,4-Difluorobenzene	2023/06/09	99	60 - 140	98	60 - 140	93	%		
8713486	4-Bromofluorobenzene	2023/06/09	102	60 - 140	102	60 - 140	111	%		
8713486	D10-o-Xylene	2023/06/09	103	60 - 140	100	60 - 140	92	%		
8713486	D4-1,2-Dichloroethane	2023/06/09	87	60 - 140	85	60 - 140	94	%		
8709794	Moisture	2023/06/07							2.4	20
8710419	F2 (C10-C16 Hydrocarbons)	2023/06/08	110	60 - 130	106	80 - 120	<10	ug/g	NC	30
8710419	F3 (C16-C34 Hydrocarbons)	2023/06/08	110	60 - 130	106	80 - 120	<50	ug/g	NC	30
8710419	F4 (C34-C50 Hydrocarbons)	2023/06/08	112	60 - 130	107	80 - 120	<50	ug/g	NC	30
8712642	Available (CaCl2) pH	2023/06/08			100	97 - 103			0.55	N/A
8713005	Acid Extractable Antimony (Sb)	2023/06/08	89	75 - 125	99	80 - 120	<0.20	ug/g		
8713005	Acid Extractable Arsenic (As)	2023/06/08	99	75 - 125	101	80 - 120	<1.0	ug/g		
8713005	Acid Extractable Barium (Ba)	2023/06/08	NC	75 - 125	93	80 - 120	<0.50	ug/g	1.0	30
8713005	Acid Extractable Beryllium (Be)	2023/06/08	97	75 - 125	100	80 - 120	<0.20	ug/g	3.7	30
8713005	Acid Extractable Boron (B)	2023/06/08	93	75 - 125	102	80 - 120	<5.0	ug/g	0.92	30
8713005	Acid Extractable Cadmium (Cd)	2023/06/08	93	75 - 125	100	80 - 120	<0.10	ug/g	14	30
8713005	Acid Extractable Chromium (Cr)	2023/06/08	99	75 - 125	99	80 - 120	<1.0	ug/g	1.8	30
8713005	Acid Extractable Cobalt (Co)	2023/06/08	94	75 - 125	99	80 - 120	<0.10	ug/g	4.2	30
8713005	Acid Extractable Copper (Cu)	2023/06/08	88	75 - 125	99	80 - 120	<0.50	ug/g	0.63	30
8713005	Acid Extractable Lead (Pb)	2023/06/08	96	75 - 125	99	80 - 120	<1.0	ug/g	1.2	30
8713005	Acid Extractable Molybdenum (Mo)	2023/06/08	93	75 - 125	98	80 - 120	<0.50	ug/g	NC	30
8713005	Acid Extractable Nickel (Ni)	2023/06/08	94	75 - 125	100	80 - 120	<0.50	ug/g	2.5	30
8713005	Acid Extractable Selenium (Se)	2023/06/08	94	75 - 125	97	80 - 120	<0.50	ug/g		
8713005	Acid Extractable Silver (Ag)	2023/06/08	97	75 - 125	101	80 - 120	<0.20	ug/g	NC	30
8713005	Acid Extractable Thallium (Tl)	2023/06/08	97	75 - 125	100	80 - 120	<0.050	ug/g	4.3	30
8713005	Acid Extractable Uranium (U)	2023/06/08	98	75 - 125	98	80 - 120	<0.050	ug/g	5.3	30
8713005	Acid Extractable Vanadium (V)	2023/06/08	NC	75 - 125	99	80 - 120	<5.0	ug/g	0.93	30
8713005	Acid Extractable Zinc (Zn)	2023/06/08	NC	75 - 125	97	80 - 120	<5.0	ug/g	5.9	30
8713008	Acid Extractable Antimony (Sb)	2023/06/08	93	75 - 125	101	80 - 120	<0.20	ug/g	NC	30
8713008	Acid Extractable Arsenic (As)	2023/06/08	96	75 - 125	100	80 - 120	<1.0	ug/g	8.4	30

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8713008	Acid Extractable Barium (Ba)	2023/06/08	99	75 - 125	101	80 - 120	<0.50	ug/g	9.1	30
8713008	Acid Extractable Beryllium (Be)	2023/06/08	95	75 - 125	99	80 - 120	<0.20	ug/g	3.6	30
8713008	Acid Extractable Boron (B)	2023/06/08	90	75 - 125	88	80 - 120	<5.0	ug/g	NC	30
8713008	Acid Extractable Cadmium (Cd)	2023/06/08	97	75 - 125	99	80 - 120	<0.10	ug/g	NC	30
8713008	Acid Extractable Chromium (Cr)	2023/06/08	93	75 - 125	98	80 - 120	<1.0	ug/g	1.7	30
8713008	Acid Extractable Cobalt (Co)	2023/06/08	93	75 - 125	95	80 - 120	<0.10	ug/g	0.85	30
8713008	Acid Extractable Copper (Cu)	2023/06/08	95	75 - 125	99	80 - 120	<0.50	ug/g	1.5	30
8713008	Acid Extractable Lead (Pb)	2023/06/08	94	75 - 125	96	80 - 120	<1.0	ug/g	1.3	30
8713008	Acid Extractable Molybdenum (Mo)	2023/06/08	96	75 - 125	97	80 - 120	<0.50	ug/g	NC	30
8713008	Acid Extractable Nickel (Ni)	2023/06/08	94	75 - 125	97	80 - 120	<0.50	ug/g	3.7	30
8713008	Acid Extractable Selenium (Se)	2023/06/08	97	75 - 125	97	80 - 120	<0.50	ug/g	NC	30
8713008	Acid Extractable Silver (Ag)	2023/06/08	100	75 - 125	100	80 - 120	<0.20	ug/g	NC	30
8713008	Acid Extractable Thallium (Tl)	2023/06/08	95	75 - 125	97	80 - 120	<0.050	ug/g	NC	30
8713008	Acid Extractable Uranium (U)	2023/06/08	93	75 - 125	95	80 - 120	<0.050	ug/g	3.7	30
8713008	Acid Extractable Vanadium (V)	2023/06/08	89	75 - 125	94	80 - 120	<5.0	ug/g	2.3	30
8713008	Acid Extractable Zinc (Zn)	2023/06/08	NC	75 - 125	97	80 - 120	<5.0	ug/g	0.40	30
8713486	Benzene	2023/06/09	87	50 - 140	85	50 - 140	<0.020	ug/g	NC	50
8713486	Ethylbenzene	2023/06/09	101	50 - 140	97	50 - 140	<0.020	ug/g	NC	50
8713486	F1 (C6-C10) - BTEX	2023/06/09					<10	ug/g	NC	30
8713486	F1 (C6-C10)	2023/06/09	102	60 - 140	99	80 - 120	<10	ug/g	NC	30
8713486	o-Xylene	2023/06/09	98	50 - 140	93	50 - 140	<0.020	ug/g	NC	50
8713486	p+m-Xylene	2023/06/09	100	50 - 140	94	50 - 140	<0.040	ug/g	NC	50
8713486	Toluene	2023/06/09	88	50 - 140	85	50 - 140	<0.020	ug/g	NC	50
8713486	Total Xylenes	2023/06/09					<0.040	ug/g	NC	50
8714735	Conductivity	2023/06/09			102	90 - 110	<0.002	mS/cm	3.2	10

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8715032	Conductivity	2023/06/09			103	90 - 110	<0.002	mS/cm	0.91	10

N/A = Not Applicable

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

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

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

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

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

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

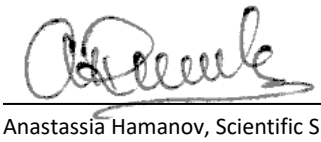
NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, 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 {0}, {1} responsible for {2} {3} laboratory operations.

www.BVNA.com

6740 Campobello Road, Mississauga, Ontario L5N 2L8
Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266

CHAIN OF CUSTODY RECORD

ENV COC - 00014v3

Invoice Information	Invoice to (requires report) ☐	Report Information (if differs from invoice)		Project Information	
Company :	EXP Services Inc.	Company:		Quotation #:	Stream 3
Contact Name:	Accounts Payable	Contact Name:	Jason Slidders Nicole McQuoid	P.O. #/ AFE#:	BRM-ENV
Street Address:	1266 South Service Road	Street Address:		Project #:	GTR-23002995-A0
City: Stoney Creek Prov: ON Postal Code:		City: Prov: Postal Code:		Site #:	
Phone:		Phone:		Site Location:	Plains Road East
Email:	AP@exp.com	Email:	jason.slidders@exp.com	Site Location Province:	ON
Copies:		Copies:	nicole.mcquoid@exp.com	Sampled By:	NiMc

Nont-06-028

Regulatory Criteria

REG 153: ☐ Table 1 ☐ Table 2 ☐ Table 3 ☐ Table ____ | ☐ Res/Park ☐ Ind/Comm ☐ Agri/other | ☐ Med/Fine ☑ Course ☐ For RSC

OTHER: ☐ CCME ☐ Reg 558* ☐ *min 3 day TAT ☐ MISA ☐ PWQO | ☑ Reg 406, Table: 3.1 ☐ Sanitary Sewer Bylaw ☐ Storm Sewer Bylaw Municipality ____ ☐ Other:

Include Criteria on Certificate of Analysis (check if yes): ☐

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

	Sample Identification	Date Sampled YY	MM	DD	Time (24hr) HH	MM	Matrix	1 FIELD FILTERED	2 FIELD PRESERVED	3 LAB FILTRATION REQUIRED	4 BTEX/ F1	5 F2 - F4	6 VOCs	7 Reg 153 metals and inorganics	8 Reg 153 ICPMS metals	9 Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	10 Excess Soil Metals, pH	11 Excess Soil PHCs	12 Excess Soil BTEX	13 Excess Soil EC/SAR	14	15	16	17	18	19	20	21 # OF CONTAINERS SUBMITTED	22 HOLD - DO NOT ANALYZE	Comments
1	BH1 SS1	23	6	5	P	M	Soil										X	X	X	X								4		
2	BH1 SS3	23	6	5	P	M	Soil										X	X	X	X								4		
3	BH1 SS4	23	6	5	P	M	Soil										X	X	X	X								4		
4	BH1 SS5	23	6	5	P	M	Soil										X	X	X	X								4		
5	BH2 SS2	23	6	5	A	M	Soil										X	X	X	X								4		Limited Sample
6	BH202 SS2	23	6	5	A	M	Soil										X			X								1		Limited Sample
7	BH2 SS3	23	6	5	A	M	Soil										X	X	X	X								4		
8	BH202 SS3	23	6	5	A	M	Soil											X	X									3		
9	BH2 SS4	23	6	5	A	M	Soil										X	X	X	X								4		
10	BH2 SS5	23	6	5	A	M	Soil										X	X	X	X								4		
11																														
12																														

Regular Turnaround Time (TAT)

☑ 5 to 7 Day ☐ 10 Day

Rush Turnaround Time (TAT) Surcharges apply

☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day

Date Required: YY MM DD

*UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS AND CONDITIONS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS OR BY CALLING THE LABORATORY LISTED ABOVE TO OBTAIN A COPY

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present	☑					
Seal intact	☑					
Cooling media present	☑					
				2	2	1

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

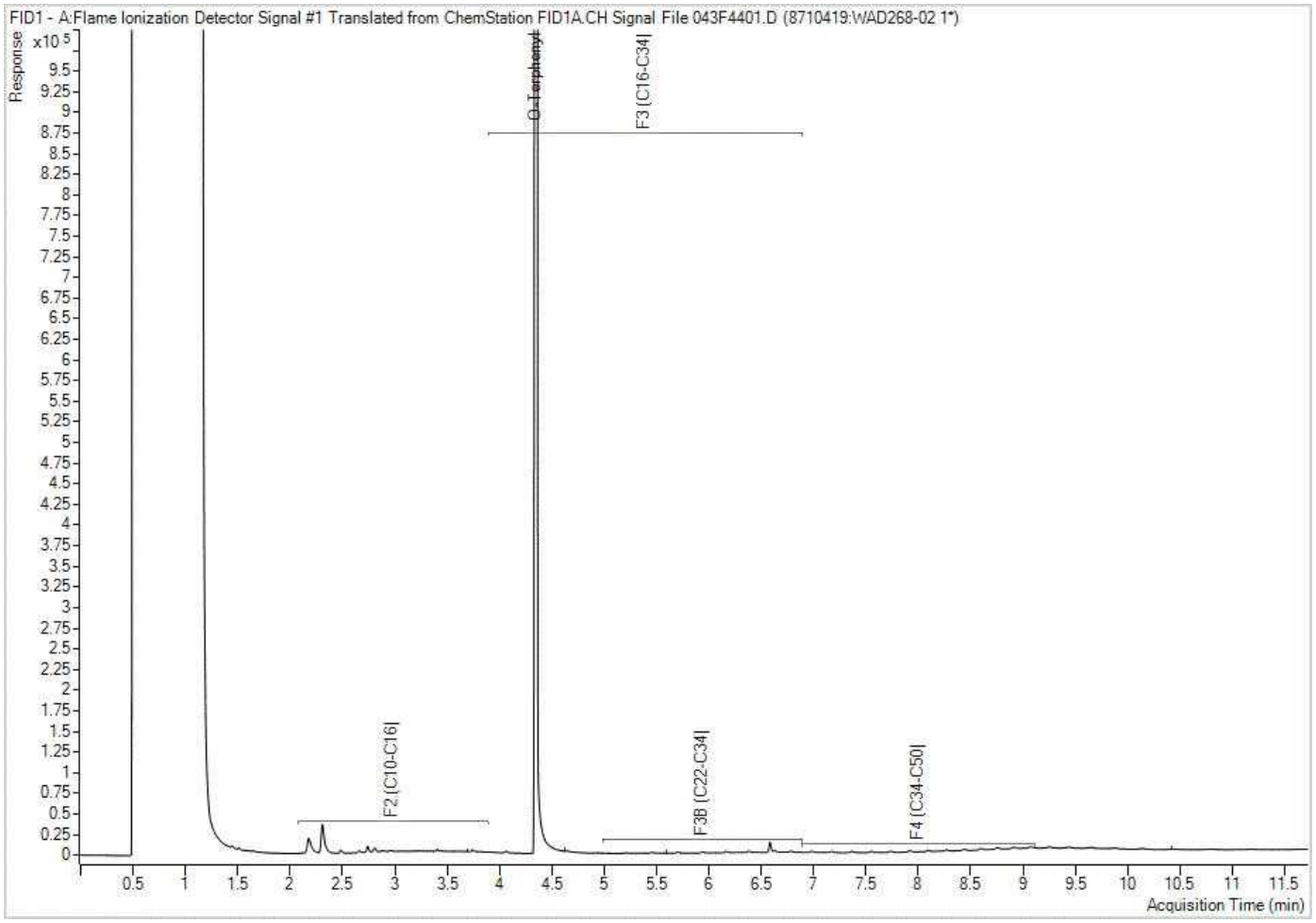
Temperature reading by:

Relinquished by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Special instructions
1 Nicole MQuoid	23	6	6	10	00	1 Rupinder / RUPINDER	2023	06	06	15	05	
2						2						

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15
Bureau Veritas Sample: WAD268

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS ROAD EAST, ON
Client ID: BH1 SS1

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

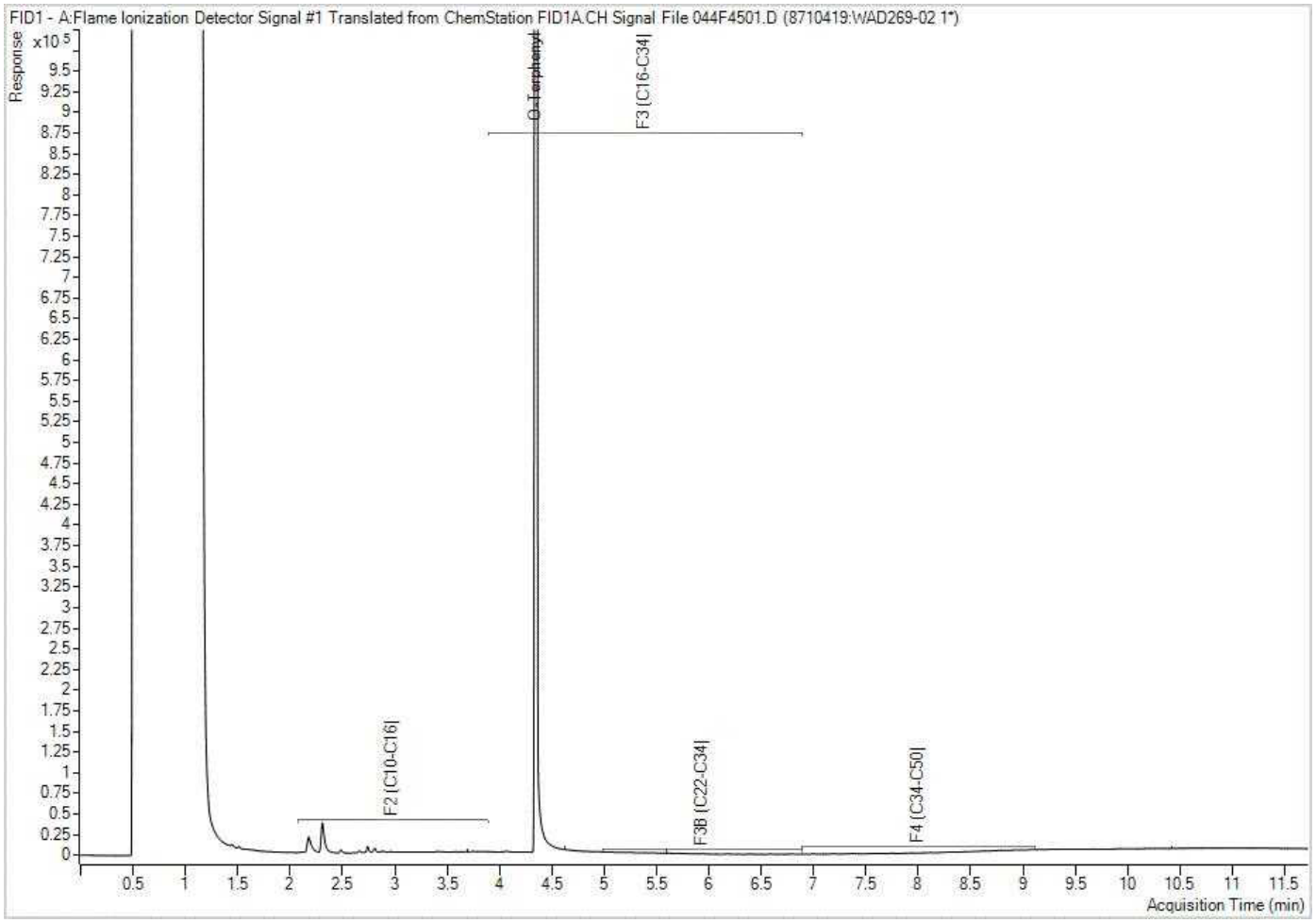


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15
Bureau Veritas Sample: WAD269

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS ROAD EAST, ON
Client ID: BH1 SS3

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

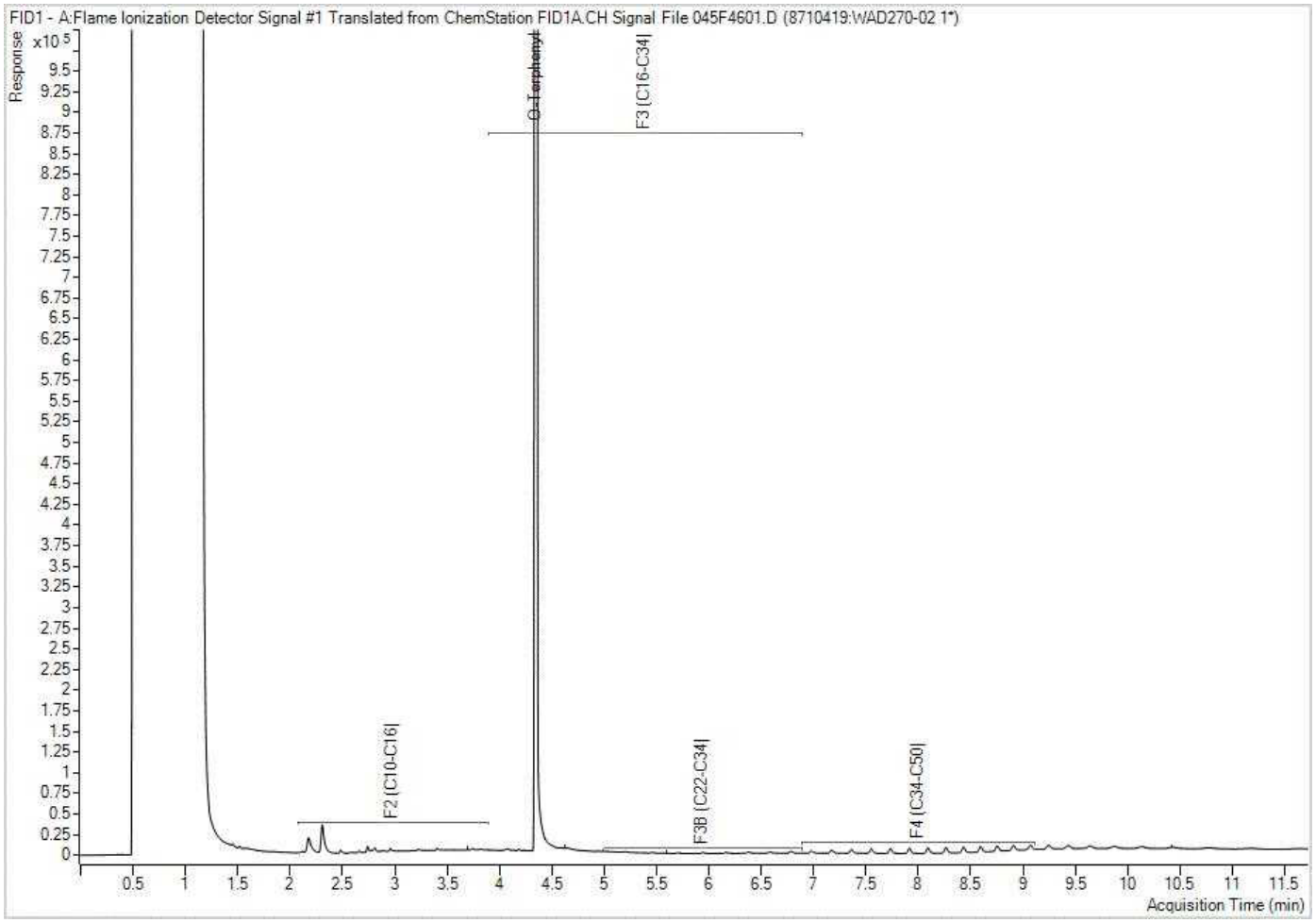


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15
Bureau Veritas Sample: WAD270

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS ROAD EAST, ON
Client ID: BH1 SS4

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

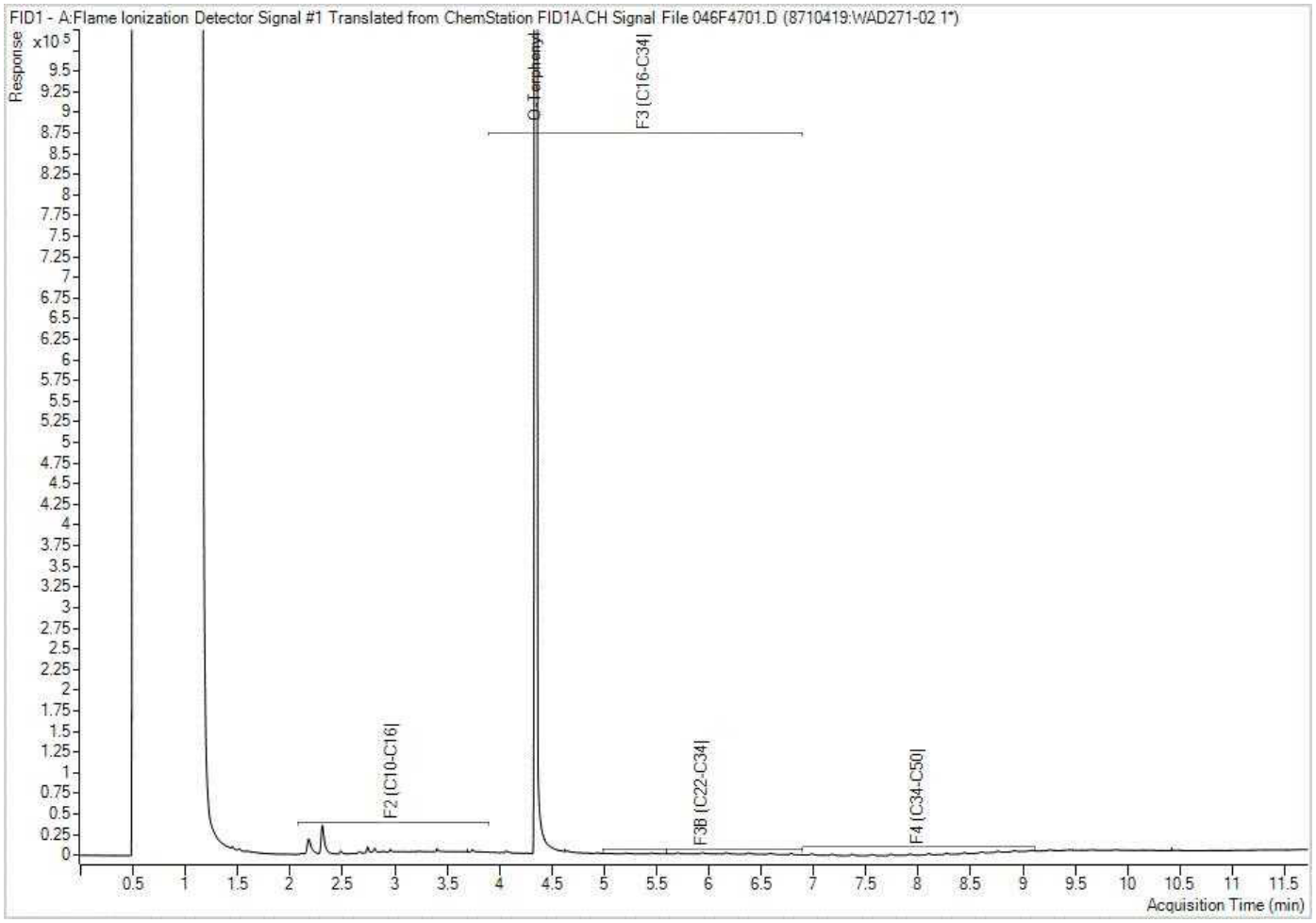


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15
Bureau Veritas Sample: WAD271

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS ROAD EAST, ON
Client ID: BH1 SS5

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

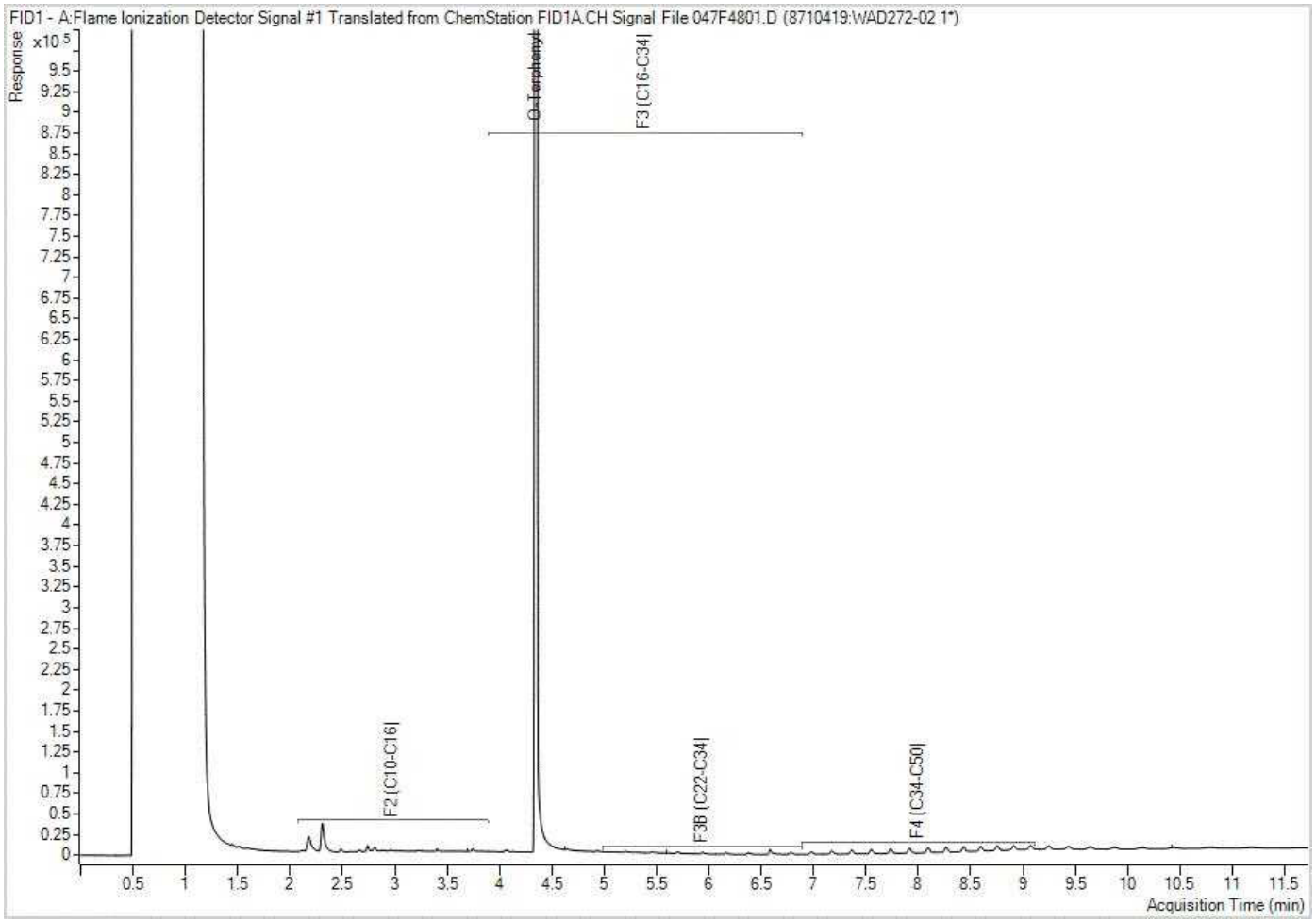


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15
Bureau Veritas Sample: WAD272

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS ROAD EAST, ON
Client ID: BH2 SS2

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

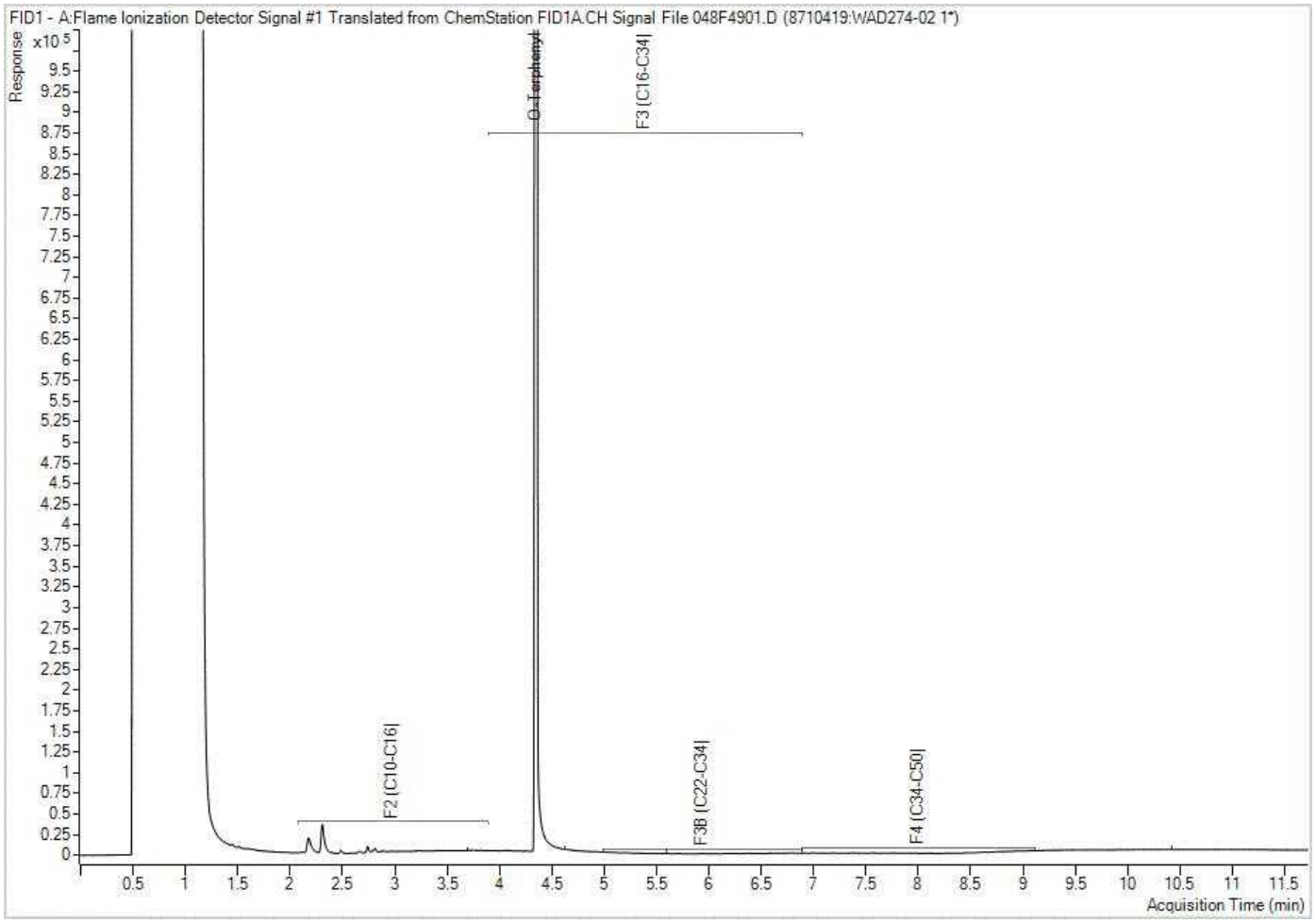


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15
Bureau Veritas Sample: WAD274

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS ROAD EAST, ON
Client ID: BH2 SS3

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

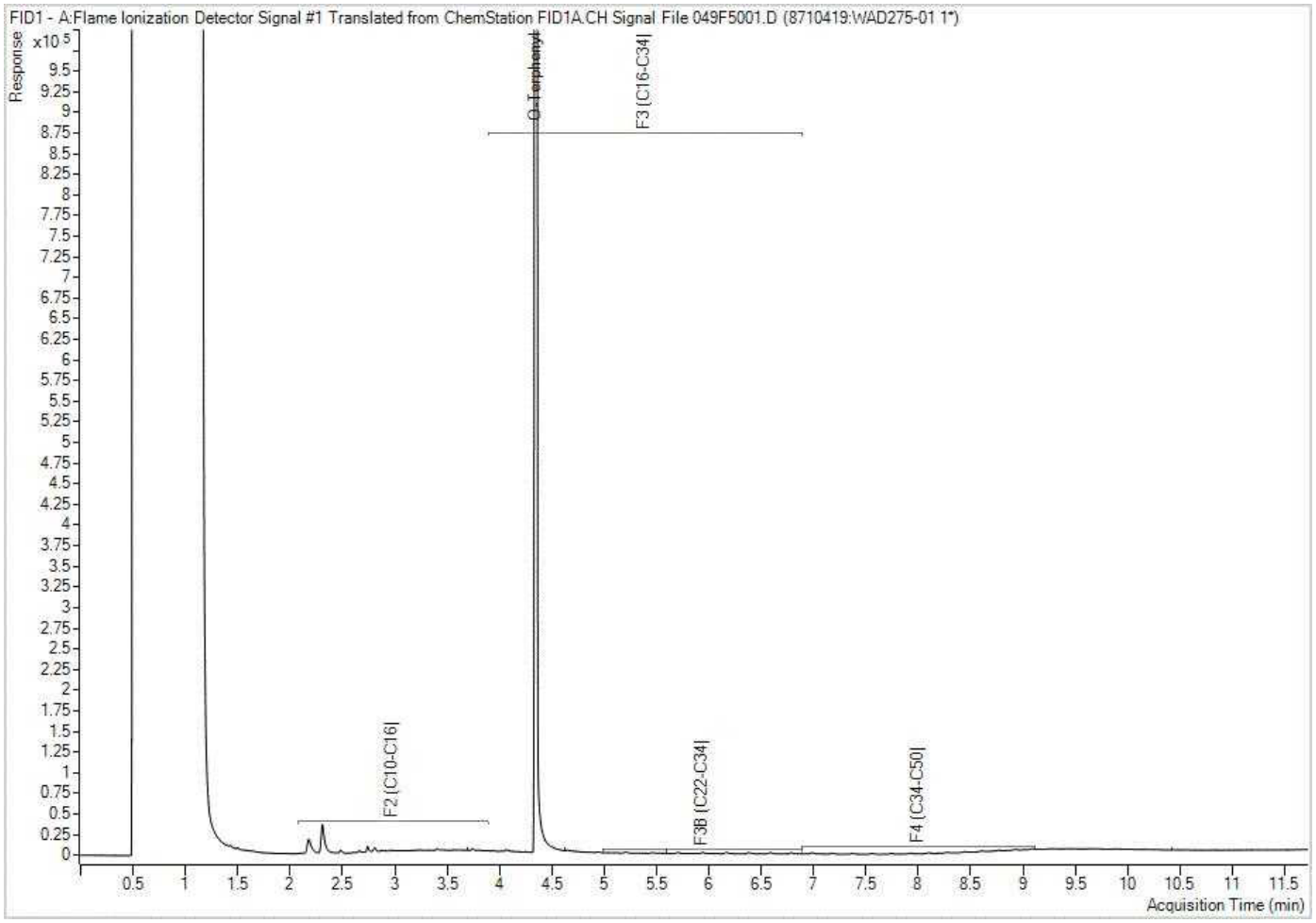


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15
Bureau Veritas Sample: WAD275

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS ROAD EAST, ON
Client ID: BH202 SS3

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

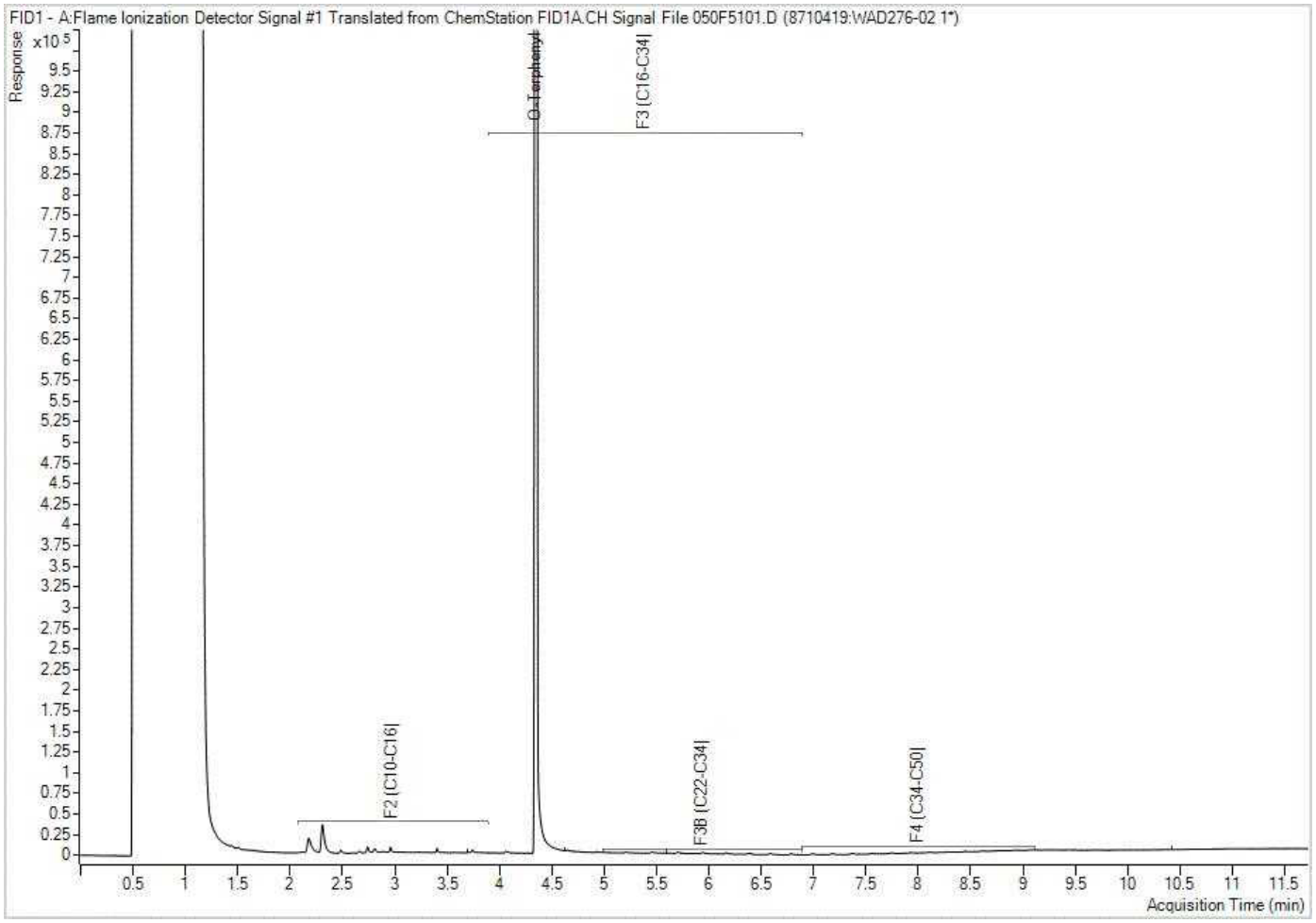


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15
Bureau Veritas Sample: WAD276

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS ROAD EAST, ON
Client ID: BH2 SS4

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

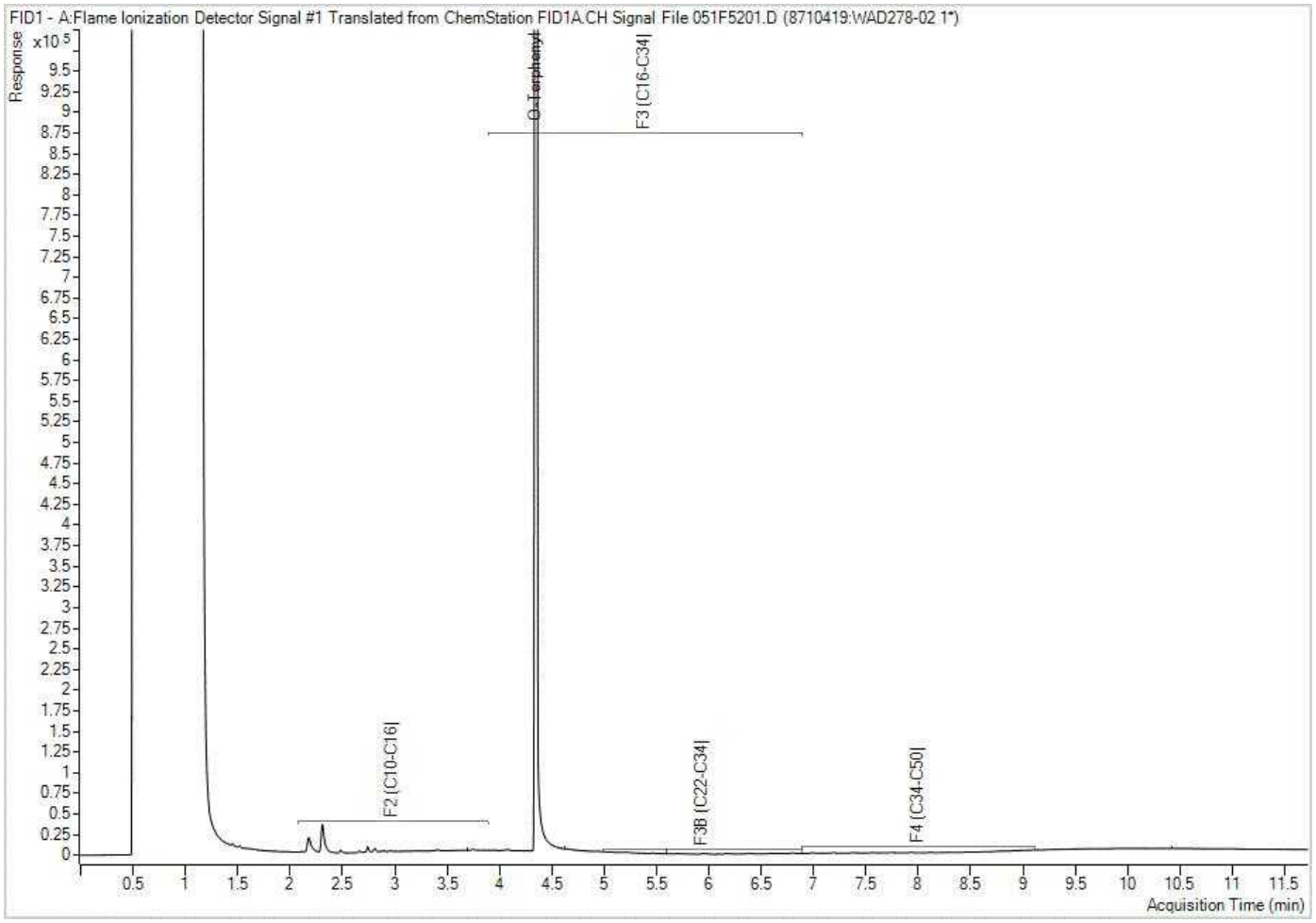


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G2422
Report Date: 2023/06/15
Bureau Veritas Sample: WAD278

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS ROAD EAST, ON
Client ID: BH2 SS5

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.

Exceedance Summary Table – Reg 406 T3.1 Res (S)

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
BH1 SS1	WAD268-01	Sodium Adsorption Ratio	5	14		N/A
BH2 SS2	WAD272-01	Sodium Adsorption Ratio	5	23		N/A
BH202 SS2	WAD273-01	Sodium Adsorption Ratio	5	13		N/A
BH2 SS3	WAD274-01	Sodium Adsorption Ratio	5	17		N/A
BH2 SS4	WAD276-01	Sodium Adsorption Ratio	5	20		N/A
BH2 SS5	WAD278-01	Sodium Adsorption Ratio	5	8.6		N/A

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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

Your P.O. #: BRM-ENV
Your Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST

Attention: Jason Slidders

exp Services Inc
Brampton Branch
1595 Clark Blvd
Brampton, ON
CANADA L6T 4V1

Your C.O.C. #: 935334-12-01, 935334-13-01, 935334-14-01

Report Date: 2023/06/15
Report #: R7673744
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3G6612
Received: 2023/06/08, 17:30

Sample Matrix: Soil
Samples Received: 23

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Conductivity	21	2023/06/13	2023/06/13	CAM SOP-00414	OMOE E3530 v1 m
Petroleum Hydro. CCME F1 & BTEX in Soil (1)	17	N/A	2023/06/11	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydro. CCME F1 & BTEX in Soil (1)	4	N/A	2023/06/12	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (2)	18	2023/06/12	2023/06/12	CAM SOP-00316	CCME CWS m
Petroleum Hydrocarbons F2-F4 in Soil (2)	3	2023/06/12	2023/06/13	CAM SOP-00316	CCME CWS m
Acid Extractable Metals by ICPMS	21	2023/06/12	2023/06/12	CAM SOP-00447	EPA 6020B m
Moisture	21	N/A	2023/06/09	CAM SOP-00445	Carter 2nd ed 51.2 m
pH CaCl2 EXTRACT	21	2023/06/12	2023/06/12	CAM SOP-00413	EPA 9045 D m
Sodium Adsorption Ratio (SAR)	21	N/A	2023/06/15	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, MELCCFP, EPA, APHA.

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.

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.

Your P.O. #: BRM-ENV
Your Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST

Attention: Jason Slidders

exp Services Inc
Brampton Branch
1595 Clark Blvd
Brampton, ON
CANADA L6T 4V1

Your C.O.C. #: 935334-12-01, 935334-13-01, 935334-14-01

Report Date: 2023/06/15
Report #: R7673744
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3G6612

Received: 2023/06/08, 17:30

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) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

AUTHORIZED REPORT
RAPPORT AUTORISÉ

Bureau Veritas
15 Jun 2023 16:32:12

Please direct all questions regarding this Certificate of Analysis to:
Patricia Legette, Project Manager
Email: Patricia.Legette@bureauveritas.com
Phone# (905)817-5799

==========

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

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

O.REG 406 EXCESS SOIL BULK ICPMS METALS (SOIL)

Bureau Veritas ID			WAZ063	WAZ064	WAZ065	WAZ066	WAZ067		
Sampling Date			2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07		
COC Number			935334-12-01	935334-12-01	935334-12-01	935334-12-01	935334-12-01		
	UNITS	**Criteria**	**BH/MW3 SS2**	**BH/MW3 SS3**	**BH/MW3 SS4**	**BH/MW3 SS5**	**BH5 SS2**	**RDL**	**QC Batch**
Metals									
Acid Extractable Antimony (Sb)	ug/g	7.5	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8719126
Acid Extractable Arsenic (As)	ug/g	18	4.8	4.9	4.1	3.3	3.5	1.0	8719126
Acid Extractable Barium (Ba)	ug/g	390	26	28	22	18	36	0.50	8719126
Acid Extractable Beryllium (Be)	ug/g	4	0.38	0.55	0.48	0.38	0.26	0.20	8719126
Acid Extractable Boron (B)	ug/g	120	<5.0	5.5	5.3	5.9	<5.0	5.0	8719126
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	<0.10	<0.10	<0.10	0.16	0.10	8719126
Acid Extractable Chromium (Cr)	ug/g	160	10	13	12	10	8.6	1.0	8719126
Acid Extractable Cobalt (Co)	ug/g	22	5.6	8.1	7.4	5.5	3.7	0.10	8719126
Acid Extractable Copper (Cu)	ug/g	140	21	25	22	19	12	0.50	8719126
Acid Extractable Lead (Pb)	ug/g	120	13	18	9.8	7.4	19	1.0	8719126
Acid Extractable Molybdenum (Mo)	ug/g	6.9	<0.50	0.54	<0.50	<0.50	0.51	0.50	8719126
Acid Extractable Nickel (Ni)	ug/g	100	11	17	16	12	8.2	0.50	8719126
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8719126
Acid Extractable Silver (Ag)	ug/g	20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8719126
Acid Extractable Thallium (Tl)	ug/g	1	0.058	0.070	0.070	0.055	0.061	0.050	8719126
Acid Extractable Uranium (U)	ug/g	23	0.34	0.40	0.41	0.36	0.27	0.050	8719126
Acid Extractable Vanadium (V)	ug/g	86	17	21	20	19	14	5.0	8719126
Acid Extractable Zinc (Zn)	ug/g	340	39	45	36	29	46	5.0	8719126

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

O.REG 406 EXCESS SOIL BULK ICPMS METALS (SOIL)

Bureau Veritas ID			WAZ068	WAZ069	WAZ070	WAZ071	WAZ072		
Sampling Date			2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07		
COC Number			935334-12-01	935334-12-01	935334-12-01	935334-12-01	935334-12-01		
	UNITS	**Criteria**	**BH5 SS3**	**BH5 SS4**	**BH5 SS5**	**BH5 SS3D**	**BH6 SS2**	**RDL**	**QC Batch**
Metals									
Acid Extractable Antimony (Sb)	ug/g	7.5	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8719126
Acid Extractable Arsenic (As)	ug/g	18	4.5	3.7	3.2	4.0	2.5	1.0	8719126
Acid Extractable Barium (Ba)	ug/g	390	16	16	16	17	25	0.50	8719126
Acid Extractable Beryllium (Be)	ug/g	4	0.50	0.30	0.23	0.42	0.24	0.20	8719126
Acid Extractable Boron (B)	ug/g	120	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	8719126
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	<0.10	<0.10	<0.10	0.13	0.10	8719126
Acid Extractable Chromium (Cr)	ug/g	160	11	8.3	6.4	12	6.7	1.0	8719126
Acid Extractable Cobalt (Co)	ug/g	22	7.2	5.7	4.6	7.4	3.2	0.10	8719126
Acid Extractable Copper (Cu)	ug/g	140	27	22	17	24	8.5	0.50	8719126
Acid Extractable Lead (Pb)	ug/g	120	8.1	6.0	4.9	8.7	12	1.0	8719126
Acid Extractable Molybdenum (Mo)	ug/g	6.9	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8719126
Acid Extractable Nickel (Ni)	ug/g	100	16	12	9.8	16	6.7	0.50	8719126
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8719126
Acid Extractable Silver (Ag)	ug/g	20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8719126
Acid Extractable Thallium (Tl)	ug/g	1	0.059	0.050	<0.050	0.057	0.056	0.050	8719126
Acid Extractable Uranium (U)	ug/g	23	0.32	0.24	0.26	0.31	0.22	0.050	8719126
Acid Extractable Vanadium (V)	ug/g	86	18	14	11	17	11	5.0	8719126
Acid Extractable Zinc (Zn)	ug/g	340	35	29	23	36	51	5.0	8719126

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

O.REG 406 EXCESS SOIL BULK ICPMS METALS (SOIL)

Bureau Veritas ID			WAZ073	WAZ074	WAZ076	WAZ076	WAZ077		
Sampling Date			2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07		
COC Number			935334-13-01	935334-13-01	935334-13-01	935334-13-01	935334-13-01		
	UNITS	**Criteria**	**BH6 SS3**	**BH6 SS4**	**BH6 SS5**	**BH6 SS5 Lab-Dup**	**BH7 SS2**	**RDL**	**QC Batch**
Metals									
Acid Extractable Antimony (Sb)	ug/g	7.5	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8719126
Acid Extractable Arsenic (As)	ug/g	18	4.0	4.6	3.1	3.1	4.7	1.0	8719126
Acid Extractable Barium (Ba)	ug/g	390	23	25	18	17	26	0.50	8719126
Acid Extractable Beryllium (Be)	ug/g	4	0.54	0.52	0.27	0.26	0.34	0.20	8719126
Acid Extractable Boron (B)	ug/g	120	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	8719126
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	<0.10	<0.10	<0.10	0.15	0.10	8719126
Acid Extractable Chromium (Cr)	ug/g	160	12	13	7.0	7.2	13	1.0	8719126
Acid Extractable Cobalt (Co)	ug/g	22	7.2	7.4	4.8	4.8	5.3	0.10	8719126
Acid Extractable Copper (Cu)	ug/g	140	20	26	20	19	17	0.50	8719126
Acid Extractable Lead (Pb)	ug/g	120	8.9	9.3	5.2	5.4	19	1.0	8719126
Acid Extractable Molybdenum (Mo)	ug/g	6.9	<0.50	0.59	<0.50	<0.50	0.53	0.50	8719126
Acid Extractable Nickel (Ni)	ug/g	100	15	16	10	10	11	0.50	8719126
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8719126
Acid Extractable Silver (Ag)	ug/g	20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8719126
Acid Extractable Thallium (Tl)	ug/g	1	0.067	0.067	<0.050	<0.050	0.056	0.050	8719126
Acid Extractable Uranium (U)	ug/g	23	0.34	0.34	0.19	0.21	0.35	0.050	8719126
Acid Extractable Vanadium (V)	ug/g	86	19	19	12	12	17	5.0	8719126
Acid Extractable Zinc (Zn)	ug/g	340	32	35	23	24	46	5.0	8719126

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

O.REG 406 EXCESS SOIL BULK ICPMS METALS (SOIL)

Bureau Veritas ID			WAZ078	WAZ079		WAZ081	WAZ081		
Sampling Date			2023/06/07	2023/06/07		2023/06/07	2023/06/07		
COC Number			935334-13-01	935334-13-01		935334-13-01	935334-13-01		
	UNITS	**Criteria**	**BH7 SS3**	**BH7 SS4**	**QC Batch**	**BH7 SS5**	**BH7 SS5 Lab-Dup**	**RDL**	**QC Batch**
Metals									
Acid Extractable Antimony (Sb)	ug/g	7.5	<0.20	0.22	8719126	<0.20	<0.20	0.20	8719134
Acid Extractable Arsenic (As)	ug/g	18	3.9	4.4	8719126	3.1	3.3	1.0	8719134
Acid Extractable Barium (Ba)	ug/g	390	16	31	8719126	16	17	0.50	8719134
Acid Extractable Beryllium (Be)	ug/g	4	0.43	0.52	8719126	0.25	0.29	0.20	8719134
Acid Extractable Boron (B)	ug/g	120	<5.0	6.8	8719126	<5.0	<5.0	5.0	8719134
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	<0.10	8719126	<0.10	<0.10	0.10	8719134
Acid Extractable Chromium (Cr)	ug/g	160	11	15	8719126	8.2	8.9	1.0	8719134
Acid Extractable Cobalt (Co)	ug/g	22	7.1	11	8719126	4.0	4.3	0.10	8719134
Acid Extractable Copper (Cu)	ug/g	140	24	28	8719126	15	16	0.50	8719134
Acid Extractable Lead (Pb)	ug/g	120	8.0	9.0	8719126	8.2	8.6	1.0	8719134
Acid Extractable Molybdenum (Mo)	ug/g	6.9	<0.50	<0.50	8719126	<0.50	<0.50	0.50	8719134
Acid Extractable Nickel (Ni)	ug/g	100	16	22	8719126	8.8	9.1	0.50	8719134
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	<0.50	8719126	<0.50	<0.50	0.50	8719134
Acid Extractable Silver (Ag)	ug/g	20	<0.20	<0.20	8719126	<0.20	<0.20	0.20	8719134
Acid Extractable Thallium (Tl)	ug/g	1	0.054	0.091	8719126	<0.050	0.050	0.050	8719134
Acid Extractable Uranium (U)	ug/g	23	0.31	0.30	8719126	0.23	0.26	0.050	8719134
Acid Extractable Vanadium (V)	ug/g	86	16	22	8719126	11	13	5.0	8719134
Acid Extractable Zinc (Zn)	ug/g	340	34	44	8719126	26	29	5.0	8719134

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

O.REG 406 EXCESS SOIL BULK ICPMS METALS (SOIL)

Bureau Veritas ID			WAZ082	WAZ125	WAZ126	WAZ127		
Sampling Date			2023/06/07	2023/06/07	2023/06/07	2023/06/07		
COC Number			935334-13-01	935334-14-01	935334-14-01	935334-14-01		
	UNITS	**Criteria**	**BH7 SS5D**	**BH8 SS2**	**BH8 SS3**	**BH8 SS4**	**RDL**	**QC Batch**
Metals								
Acid Extractable Antimony (Sb)	ug/g	7.5	<0.20	0.22	<0.20	<0.20	0.20	8719126
Acid Extractable Arsenic (As)	ug/g	18	3.3	4.7	2.5	2.0	1.0	8719126
Acid Extractable Barium (Ba)	ug/g	390	16	31	11	11	0.50	8719126
Acid Extractable Beryllium (Be)	ug/g	4	0.34	0.41	0.22	<0.20	0.20	8719126
Acid Extractable Boron (B)	ug/g	120	<5.0	<5.0	<5.0	<5.0	5.0	8719126
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	0.21	<0.10	<0.10	0.10	8719126
Acid Extractable Chromium (Cr)	ug/g	160	9.4	15	5.6	5.7	1.0	8719126
Acid Extractable Cobalt (Co)	ug/g	22	5.2	6.0	3.8	2.7	0.10	8719126
Acid Extractable Copper (Cu)	ug/g	140	19	19	15	11	0.50	8719126
Acid Extractable Lead (Pb)	ug/g	120	7.1	22	4.2	3.4	1.0	8719126
Acid Extractable Molybdenum (Mo)	ug/g	6.9	<0.50	0.56	<0.50	<0.50	0.50	8719126
Acid Extractable Nickel (Ni)	ug/g	100	11	12	8.5	5.4	0.50	8719126
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	<0.50	<0.50	<0.50	0.50	8719126
Acid Extractable Silver (Ag)	ug/g	20	<0.20	<0.20	<0.20	<0.20	0.20	8719126
Acid Extractable Thallium (Tl)	ug/g	1	<0.050	0.076	<0.050	<0.050	0.050	8719126
Acid Extractable Uranium (U)	ug/g	23	0.28	0.40	0.20	0.26	0.050	8719126
Acid Extractable Vanadium (V)	ug/g	86	14	16	9.7	14	5.0	8719126
Acid Extractable Zinc (Zn)	ug/g	340	28	85	19	14	5.0	8719126

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

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

Bureau Veritas ID			WAZ063			WAZ063			WAZ064		
Sampling Date			2023/06/07			2023/06/07			2023/06/07		
COC Number			935334-12-01			935334-12-01			935334-12-01		
	UNITS	**Criteria**	**BH/MW3 SS2**	**RDL**	**QC Batch**	**BH/MW3 SS2 Lab-Dup**	**RDL**	**QC Batch**	**BH/MW3 SS3**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons											
Benzene	ug/g	0.02	<0.020	0.020	8717671	<0.020	0.020	8717671	<0.020	0.020	8717671
Toluene	ug/g	0.99	<0.020	0.020	8717671	<0.020	0.020	8717671	<0.020	0.020	8717671
Ethylbenzene	ug/g	1.9	<0.020	0.020	8717671	<0.020	0.020	8717671	<0.020	0.020	8717671
o-Xylene	ug/g	-	<0.020	0.020	8717671	<0.020	0.020	8717671	<0.020	0.020	8717671
p+m-Xylene	ug/g	-	<0.040	0.040	8717671	<0.040	0.040	8717671	<0.040	0.040	8717671
Total Xylenes	ug/g	0.9	<0.040	0.040	8717671	<0.040	0.040	8717671	<0.040	0.040	8717671
F1 (C6-C10)	ug/g	25	<10	10	8717671	<10	10	8717671	<10	10	8717671
F1 (C6-C10) - BTEX	ug/g	25	<10	10	8717671	<10	10	8717671	<10	10	8717671
F2-F4 Hydrocarbons											
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	10	8719071				<10	10	8719071
F3 (C16-C34 Hydrocarbons)	ug/g	300	<50	50	8719071				<50	50	8719071
F4 (C34-C50 Hydrocarbons)	ug/g	2800	<50	50	8719071				<50	50	8719071
Reached Baseline at C50	ug/g	-	Yes		8719071				Yes		8719071
Surrogate Recovery (%)											
1,4-Difluorobenzene	%	-	103		8717671	103		8717671	101		8717671
4-Bromofluorobenzene	%	-	90		8717671	97		8717671	91		8717671
D10-o-Xylene	%	-	88		8717671	87		8717671	85		8717671
D4-1,2-Dichloroethane	%	-	96		8717671	95		8717671	97		8717671
o-Terphenyl	%	-	100		8719071				102		8719071

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

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

Bureau Veritas ID			WAZ065	WAZ066	WAZ067	WAZ068	WAZ069		
Sampling Date			2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07		
COC Number			935334-12-01	935334-12-01	935334-12-01	935334-12-01	935334-12-01		
	UNITS	**Criteria**	**BH/MW3 SS4**	**BH/MW3 SS5**	**BH5 SS2**	**BH5 SS3**	**BH5 SS4**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons									
Benzene	ug/g	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8717671
Toluene	ug/g	0.99	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8717671
Ethylbenzene	ug/g	1.9	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8717671
o-Xylene	ug/g	-	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8717671
p+m-Xylene	ug/g	-	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8717671
Total Xylenes	ug/g	0.9	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8717671
F1 (C6-C10)	ug/g	25	<10	<10	<10	<10	<10	10	8717671
F1 (C6-C10) - BTEX	ug/g	25	<10	<10	<10	<10	<10	10	8717671
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	<10	<10	<10	<10	10	8719071
F3 (C16-C34 Hydrocarbons)	ug/g	300	<50	<50	<50	<50	<50	50	8719071
F4 (C34-C50 Hydrocarbons)	ug/g	2800	<50	<50	57	<50	<50	50	8719071
Reached Baseline at C50	ug/g	-	Yes	Yes	Yes	Yes	Yes		8719071
Surrogate Recovery (%)									
1,4-Difluorobenzene	%	-	102	101	103	102	96		8717671
4-Bromofluorobenzene	%	-	97	97	96	96	102		8717671
D10-o-Xylene	%	-	89	91	89	85	89		8717671
D4-1,2-Dichloroethane	%	-	99	95	95	96	91		8717671
o-Terphenyl	%	-	101	104	110	102	105		8719071

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

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

Bureau Veritas ID			WAZ070	WAZ072	WAZ073	WAZ074	WAZ075		
Sampling Date			2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07		
COC Number			935334-12-01	935334-12-01	935334-13-01	935334-13-01	935334-13-01		
	UNITS	**Criteria**	**BH5 SS5**	**BH6 SS2**	**BH6 SS3**	**BH6 SS4**	**BH6 SS4D**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons									
Benzene	ug/g	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8717671
Toluene	ug/g	0.99	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8717671
Ethylbenzene	ug/g	1.9	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8717671
o-Xylene	ug/g	-	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8717671
p+m-Xylene	ug/g	-	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8717671
Total Xylenes	ug/g	0.9	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8717671
F1 (C6-C10)	ug/g	25	<10	<10	<10	<10	<10	10	8717671
F1 (C6-C10) - BTEX	ug/g	25	<10	<10	<10	<10	<10	10	8717671
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	<10	<10	<10	<10	10	8719071
F3 (C16-C34 Hydrocarbons)	ug/g	300	<50	<50	<50	<50	<50	50	8719071
F4 (C34-C50 Hydrocarbons)	ug/g	2800	<50	<50	<50	<50	<50	50	8719071
Reached Baseline at C50	ug/g	-	Yes	Yes	Yes	Yes	Yes		8719071
Surrogate Recovery (%)									
1,4-Difluorobenzene	%	-	103	102	102	101	102		8717671
4-Bromofluorobenzene	%	-	96	97	96	96	95		8717671
D10-o-Xylene	%	-	89	85	87	89	91		8717671
D4-1,2-Dichloroethane	%	-	94	96	98	97	95		8717671
o-Terphenyl	%	-	110	105	102	103	103		8719071

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

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

Bureau Veritas ID			WAZ076			WAZ076			WAZ077		
Sampling Date			2023/06/07			2023/06/07			2023/06/07		
COC Number			935334-13-01			935334-13-01			935334-13-01		
	UNITS	**Criteria**	**BH6 SS5**	**RDL**	**QC Batch**	**BH6 SS5 Lab-Dup**	**RDL**	**QC Batch**	**BH7 SS2**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons											
Benzene	ug/g	0.02	<0.020	0.020	8717671				<0.020	0.020	8717671
Toluene	ug/g	0.99	<0.020	0.020	8717671				<0.020	0.020	8717671
Ethylbenzene	ug/g	1.9	<0.020	0.020	8717671				<0.020	0.020	8717671
o-Xylene	ug/g	-	<0.020	0.020	8717671				<0.020	0.020	8717671
p+m-Xylene	ug/g	-	<0.040	0.040	8717671				<0.040	0.040	8717671
Total Xylenes	ug/g	0.9	<0.040	0.040	8717671				<0.040	0.040	8717671
F1 (C6-C10)	ug/g	25	<10	10	8717671				<10	10	8717671
F1 (C6-C10) - BTEX	ug/g	25	<10	10	8717671				<10	10	8717671
F2-F4 Hydrocarbons											
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	10	8719071	<10	10	8719071	<10	10	8719071
F3 (C16-C34 Hydrocarbons)	ug/g	300	<50	50	8719071	<50	50	8719071	<50	50	8719071
F4 (C34-C50 Hydrocarbons)	ug/g	2800	<50	50	8719071	<50	50	8719071	<50	50	8719071
Reached Baseline at C50	ug/g	-	Yes		8719071	Yes		8719071	Yes		8719071
Surrogate Recovery (%)											
1,4-Difluorobenzene	%	-	103		8717671				101		8717671
4-Bromofluorobenzene	%	-	87		8717671				97		8717671
D10-o-Xylene	%	-	95		8717671				92		8717671
D4-1,2-Dichloroethane	%	-	100		8717671				100		8717671
o-Terphenyl	%	-	105		8719071	102		8719071	105		8719071

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

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

Bureau Veritas ID			WAZ078	WAZ079		WAZ080			WAZ081		
Sampling Date			2023/06/07	2023/06/07		2023/06/07			2023/06/07		
COC Number			935334-13-01	935334-13-01		935334-13-01			935334-13-01		
	UNITS	**Criteria**	**BH7 SS3**	**BH7 SS4**	**QC Batch**	**BH7 SS4D**	**RDL**	**QC Batch**	**BH7 SS5**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons											
Benzene	ug/g	0.02	<0.020	<0.020	8717671	<0.020	0.020	8717671	**<0.040 (1)**	0.040	8717671
Toluene	ug/g	0.99	<0.020	<0.020	8717671	<0.020	0.020	8717671	<0.040	0.040	8717671
Ethylbenzene	ug/g	1.9	<0.020	<0.020	8717671	<0.020	0.020	8717671	<0.040	0.040	8717671
o-Xylene	ug/g	-	<0.020	<0.020	8717671	<0.020	0.020	8717671	<0.040	0.040	8717671
p+m-Xylene	ug/g	-	<0.040	<0.040	8717671	<0.040	0.040	8717671	<0.080	0.080	8717671
Total Xylenes	ug/g	0.9	<0.040	<0.040	8717671	<0.040	0.040	8717671	<0.080	0.080	8717671
F1 (C6-C10)	ug/g	25	<10	<10	8717671	<10	10	8717671	<20	20	8717671
F1 (C6-C10) - BTEX	ug/g	25	<10	<10	8717671	<10	10	8717671	<20	20	8717671
F2-F4 Hydrocarbons											
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	<10	8719071	<10	10	8719078	<10	10	8719071
F3 (C16-C34 Hydrocarbons)	ug/g	300	<50	<50	8719071	<50	50	8719078	<50	50	8719071
F4 (C34-C50 Hydrocarbons)	ug/g	2800	<50	<50	8719071	<50	50	8719078	<50	50	8719071
Reached Baseline at C50	ug/g	-	Yes	Yes	8719071	Yes		8719078	Yes		8719071
Surrogate Recovery (%)											
1,4-Difluorobenzene	%	-	103	100	8717671	102		8717671	100		8717671
4-Bromofluorobenzene	%	-	95	88	8717671	97		8717671	97		8717671
D10-o-Xylene	%	-	91	95	8717671	87		8717671	97		8717671
D4-1,2-Dichloroethane	%	-	101	98	8717671	100		8717671	98		8717671
o-Terphenyl	%	-	105	103	8719071	95		8719078	104		8719071

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use
(1) RDL exceeds criteria

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

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

Bureau Veritas ID			WAZ125	WAZ126			WAZ127		
Sampling Date			2023/06/07	2023/06/07			2023/06/07		
COC Number			935334-14-01	935334-14-01			935334-14-01		
	UNITS	**Criteria**	**BH8 SS2**	**BH8 SS3**	**RDL**	**QC Batch**	**BH8 SS4**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons									
Benzene	ug/g	0.02	<0.020	<0.020	0.020	8717671	**<0.040 (1)**	0.040	8717713
Toluene	ug/g	0.99	<0.020	<0.020	0.020	8717671	<0.040	0.040	8717713
Ethylbenzene	ug/g	1.9	<0.020	<0.020	0.020	8717671	<0.040	0.040	8717713
o-Xylene	ug/g	-	<0.020	<0.020	0.020	8717671	<0.040	0.040	8717713
p+m-Xylene	ug/g	-	<0.040	<0.040	0.040	8717671	<0.080	0.080	8717713
Total Xylenes	ug/g	0.9	<0.040	<0.040	0.040	8717671	<0.080	0.080	8717713
F1 (C6-C10)	ug/g	25	<10	<10	10	8717671	<20	20	8717713
F1 (C6-C10) - BTEX	ug/g	25	<10	<10	10	8717671	<20	20	8717713
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	<10	10	8719071	<10	10	8719071
F3 (C16-C34 Hydrocarbons)	ug/g	300	<50	<50	50	8719071	<50	50	8719071
F4 (C34-C50 Hydrocarbons)	ug/g	2800	90	<50	50	8719071	<50	50	8719071
Reached Baseline at C50	ug/g	-	Yes	Yes		8719071	Yes		8719071
Surrogate Recovery (%)									
1,4-Difluorobenzene	%	-	101	102		8717671	101		8717713
4-Bromofluorobenzene	%	-	97	96		8717671	94		8717713
D10-o-Xylene	%	-	96	93		8717671	103		8717713
D4-1,2-Dichloroethane	%	-	100	99		8717671	97		8717713
o-Terphenyl	%	-	105	104		8719071	101		8719071

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use
(1) RDL exceeds criteria

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

SODIUM ADSORPTION RATIO (SAR)

Bureau Veritas ID			WAZ063	WAZ064	WAZ065	WAZ066	WAZ067	WAZ068	
Sampling Date			2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07	
COC Number			935334-12-01	935334-12-01	935334-12-01	935334-12-01	935334-12-01	935334-12-01	
	UNITS	**Criteria**	**BH/MW3 SS2**	**BH/MW3 SS3**	**BH/MW3 SS4**	**BH/MW3 SS5**	**BH5 SS2**	**BH5 SS3**	**QC Batch**
Calculated Parameters									
Sodium Adsorption Ratio	N/A	5	**5.7**	**11**	**11**	**9.0**	1.4	3.2	8715121

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

Bureau Veritas ID			WAZ069	WAZ070	WAZ071	WAZ072	WAZ073	WAZ074	
Sampling Date			2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07	
COC Number			935334-12-01	935334-12-01	935334-12-01	935334-12-01	935334-13-01	935334-13-01	
	UNITS	**Criteria**	**BH5 SS4**	**BH5 SS5**	**BH5 SS3D**	**BH6 SS2**	**BH6 SS3**	**BH6 SS4**	**QC Batch**
Calculated Parameters									
Sodium Adsorption Ratio	N/A	5	**5.2**	3.0	3.2	0.55	2.7	**5.6**	8715121

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

Bureau Veritas ID			WAZ076	WAZ077	WAZ078	WAZ079	WAZ081	WAZ082	
Sampling Date			2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07	
COC Number			935334-13-01	935334-13-01	935334-13-01	935334-13-01	935334-13-01	935334-13-01	
	UNITS	**Criteria**	**BH6 SS5**	**BH7 SS2**	**BH7 SS3**	**BH7 SS4**	**BH7 SS5**	**BH7 SS5D**	**QC Batch**
Calculated Parameters									
Sodium Adsorption Ratio	N/A	5	NC	0.24 (1)	0.37 (1)	0.52 (1)	0.29	0.28	8715121

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use
(1) Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com
Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

SODIUM ADSORPTION RATIO (SAR)

Bureau Veritas ID			WAZ125	WAZ126	WAZ127	
Sampling Date			2023/06/07	2023/06/07	2023/06/07	
COC Number			935334-14-01	935334-14-01	935334-14-01	
	UNITS	**Criteria**	**BH8 SS2**	**BH8 SS3**	**BH8 SS4**	**QC Batch**
Calculated Parameters						
Sodium Adsorption Ratio	N/A	5	2.0	**11**	**8.3**	8715121

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

QC Batch = Quality Control Batch

Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID			WAZ063			WAZ063			WAZ064		
Sampling Date			2023/06/07			2023/06/07			2023/06/07		
COC Number			935334-12-01			935334-12-01			935334-12-01		
	UNITS	**Criteria**	**BH/MW3 SS2**	**RDL**	**QC Batch**	**BH/MW3 SS2 Lab-Dup**	**RDL**	**QC Batch**	**BH/MW3 SS3**	**RDL**	**QC Batch**
Inorganics											
Conductivity	mS/cm	0.7	0.33	0.002	8722001	0.34	0.002	8722001	0.62	0.002	8722001
Moisture	%	-	14	1.0	8716127				17	1.0	8716127
Available (CaCl2) pH	pH	-	7.68		8719674				7.75		8719674

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

Bureau Veritas ID			WAZ065	WAZ066	WAZ067	WAZ068	WAZ069		
Sampling Date			2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07		
COC Number			935334-12-01	935334-12-01	935334-12-01	935334-12-01	935334-12-01		
	UNITS	**Criteria**	**BH/MW3 SS4**	**BH/MW3 SS5**	**BH5 SS2**	**BH5 SS3**	**BH5 SS4**	**RDL**	**QC Batch**
Inorganics									
Conductivity	mS/cm	0.7	0.53	0.43	0.69	0.34	0.25	0.002	8722001
Moisture	%	-	9.7	7.6	9.9	12	13	1.0	8716127
Available (CaCl2) pH	pH	-	7.74	7.78	7.67	6.67	7.02		8719674

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID			WAZ070			WAZ071			WAZ071	
Sampling Date			2023/06/07			2023/06/07			2023/06/07	
COC Number			935334-12-01			935334-12-01			935334-12-01	
	UNITS	**Criteria**	**BH5 SS5**	**RDL**	**QC Batch**	**BH5 SS3D**	**RDL**	**QC Batch**	**BH5 SS3D Lab-Dup**	**QC Batch**
Inorganics										
Conductivity	mS/cm	0.7	0.15	0.002	8722001	0.59	0.002	8722001		
Moisture	%	-	12	1.0	8716127					
Available (CaCl2) pH	pH	-	7.78		8719674	7.25		8719470	7.36	8719470

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

Bureau Veritas ID			WAZ072			WAZ072			WAZ073		
Sampling Date			2023/06/07			2023/06/07			2023/06/07		
COC Number			935334-12-01			935334-12-01			935334-13-01		
	UNITS	**Criteria**	**BH6 SS2**	**RDL**	**QC Batch**	**BH6 SS2 Lab-Dup**	**RDL**	**QC Batch**	**BH6 SS3**	**RDL**	**QC Batch**
Inorganics											
Conductivity	mS/cm	0.7	0.31	0.002	8722014	0.32	0.002	8722014	0.25	0.002	8722001
Moisture	%	-	11	1.0	8716127				14	1.0	8716127
Available (CaCl2) pH	pH	-	7.53		8719674				7.16		8719674

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID			WAZ074			WAZ075			WAZ076		
Sampling Date			2023/06/07			2023/06/07			2023/06/07		
COC Number			935334-13-01			935334-13-01			935334-13-01		
	UNITS	**Criteria**	**BH6 SS4**	**RDL**	**QC Batch**	**BH6 SS4D**	**RDL**	**QC Batch**	**BH6 SS5**	**RDL**	**QC Batch**
Inorganics											
Conductivity	mS/cm	0.7	0.22	0.002	8722001				0.039	0.002	8722001
Moisture	%	-	13	1.0	8716127	13	1.0	8716127	14	1.0	8716127
Available (CaCl2) pH	pH	-	7.43		8719674				6.88		8719674

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

Bureau Veritas ID			WAZ077	WAZ078	WAZ079			WAZ080		
Sampling Date			2023/06/07	2023/06/07	2023/06/07			2023/06/07		
COC Number			935334-13-01	935334-13-01	935334-13-01			935334-13-01		
	UNITS	**Criteria**	**BH7 SS2**	**BH7 SS3**	**BH7 SS4**	**RDL**	**QC Batch**	**BH7 SS4D**	**RDL**	**QC Batch**
Inorganics										
Conductivity	mS/cm	0.7	0.18	0.10	0.057	0.002	8722001			
Moisture	%	-	8.8	11	17	1.0	8716127	11	1.0	8716127
Available (CaCl2) pH	pH	-	7.56	7.35	7.00		8719674			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID			WAZ081			WAZ081		WAZ082		
Sampling Date			2023/06/07			2023/06/07		2023/06/07		
COC Number			935334-13-01			935334-13-01		935334-13-01		
	UNITS	**Criteria**	**BH7 SS5**	**RDL**	**QC Batch**	**BH7 SS5 Lab-Dup**	**QC Batch**	**BH7 SS5D**	**RDL**	**QC Batch**
Inorganics										
Conductivity	mS/cm	0.7	0.16	0.002	8722001			0.17	0.002	8722001
Moisture	%	-	21	1.0	8716127					
Available (CaCl2) pH	pH	-	7.59		8719674	7.58	8719674	7.71		8719674

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID			WAZ125			WAZ125			WAZ126		
Sampling Date			2023/06/07			2023/06/07			2023/06/07		
COC Number			935334-14-01			935334-14-01			935334-14-01		
	UNITS	**Criteria**	**BH8 SS2**	**RDL**	**QC Batch**	**BH8 SS2 Lab-Dup**	**RDL**	**QC Batch**	**BH8 SS3**	**RDL**	**QC Batch**
Inorganics											
Conductivity	mS/cm	0.7	0.48	0.002	8722001				0.29	0.002	8722001
Moisture	%	-	18	1.0	8716127	17	1.0	8716127	11	1.0	8716127
Available (CaCl2) pH	pH	-	7.23		8719674				7.83		8719674

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

Bureau Veritas ID			WAZ127			WAZ127		
Sampling Date			2023/06/07			2023/06/07		
COC Number			935334-14-01			935334-14-01		
	UNITS	**Criteria**	**BH8 SS4**	**RDL**	**QC Batch**	**BH8 SS4 Lab-Dup**	**RDL**	**QC Batch**
Inorganics								
Conductivity	mS/cm	0.7	0.24	0.002	8722001			
Moisture	%	-	16	1.0	8716348	15	1.0	8716348
Available (CaCl2) pH	pH	-	7.90		8719674			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 3.1, Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition, Residential/ Parkland/ Institutional Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

TEST SUMMARY

Bureau Veritas ID: WAZ063
Sample ID: BH/MW3 SS2
Matrix: Soil

Collected: 2023/06/07
Shipped:
Received: 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ063 Dup
Sample ID: BH/MW3 SS2
Matrix: Soil

Collected: 2023/06/07
Shipped:
Received: 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu

Bureau Veritas ID: WAZ064
Sample ID: BH/MW3 SS3
Matrix: Soil

Collected: 2023/06/07
Shipped:
Received: 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ065
Sample ID: BH/MW3 SS4
Matrix: Soil

Collected: 2023/06/07
Shipped:
Received: 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TEST SUMMARY

Bureau Veritas ID: WAZ066 **Collected:** 2023/06/07
Sample ID: BH/MW3 SS5 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ067 **Collected:** 2023/06/07
Sample ID: BH5 SS2 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/13	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ068 **Collected:** 2023/06/07
Sample ID: BH5 SS3 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ069 **Collected:** 2023/06/07
Sample ID: BH5 SS4 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

TEST SUMMARY

Bureau Veritas ID: WAZ069
Sample ID: BH5 SS4
Matrix: Soil
Collected: 2023/06/07
Shipped:
Received: 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ070
Sample ID: BH5 SS5
Matrix: Soil
Collected: 2023/06/07
Shipped:
Received: 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/13	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ071
Sample ID: BH5 SS3D
Matrix: Soil
Collected: 2023/06/07
Shipped:
Received: 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
pH CaCl2 EXTRACT	AT	8719470	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ071 Dup
Sample ID: BH5 SS3D
Matrix: Soil
Collected: 2023/06/07
Shipped:
Received: 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH CaCl2 EXTRACT	AT	8719470	2023/06/12	2023/06/12	Surinder Rai

Bureau Veritas ID: WAZ072
Sample ID: BH6 SS2
Matrix: Soil
Collected: 2023/06/07
Shipped:
Received: 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722014	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TEST SUMMARY

Bureau Veritas ID: WAZ072 **Collected:** 2023/06/07
Sample ID: BH6 SS2 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ072 Dup **Collected:** 2023/06/07
Sample ID: BH6 SS2 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722014	2023/06/13	2023/06/13	Surinder Rai

Bureau Veritas ID: WAZ073 **Collected:** 2023/06/07
Sample ID: BH6 SS3 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ074 **Collected:** 2023/06/07
Sample ID: BH6 SS4 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ075 **Collected:** 2023/06/07
Sample ID: BH6 SS4D **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TEST SUMMARY

Bureau Veritas ID: WAZ076 **Collected:** 2023/06/07
Sample ID: BH6 SS5 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ076 Dup **Collected:** 2023/06/07
Sample ID: BH6 SS5 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu

Bureau Veritas ID: WAZ077 **Collected:** 2023/06/07
Sample ID: BH7 SS2 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ078 **Collected:** 2023/06/07
Sample ID: BH7 SS3 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

TEST SUMMARY

Bureau Veritas ID: WAZ079 **Collected:** 2023/06/07
Sample ID: BH7 SS4 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/11	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ080 **Collected:** 2023/06/07
Sample ID: BH7 SS4D **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/12	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719078	2023/06/12	2023/06/12	Ksenia Trofimova
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan

Bureau Veritas ID: WAZ081 **Collected:** 2023/06/07
Sample ID: BH7 SS5 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/12	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719134	2023/06/12	2023/06/12	Viviana Canzonieri
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ081 Dup **Collected:** 2023/06/07
Sample ID: BH7 SS5 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	8719134	2023/06/12	2023/06/12	Viviana Canzonieri
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai

Bureau Veritas ID: WAZ082 **Collected:** 2023/06/07
Sample ID: BH7 SS5D **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TEST SUMMARY

Bureau Veritas ID: WAZ082 **Collected:** 2023/06/07
Sample ID: BH7 SS5D **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ125 **Collected:** 2023/06/07
Sample ID: BH8 SS2 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/12	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ125 Dup **Collected:** 2023/06/07
Sample ID: BH8 SS2 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan

Bureau Veritas ID: WAZ126 **Collected:** 2023/06/07
Sample ID: BH8 SS3 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717671	N/A	2023/06/12	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/12	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716127	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ127 **Collected:** 2023/06/07
Sample ID: BH8 SS4 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8722001	2023/06/13	2023/06/13	Surinder Rai
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8717713	N/A	2023/06/11	Domnica Andronescu

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

TEST SUMMARY

Bureau Veritas ID: WAZ127
Sample ID: BH8 SS4
Matrix: Soil

Collected: 2023/06/07
Shipped:
Received: 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8719071	2023/06/12	2023/06/13	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	8719126	2023/06/12	2023/06/12	Daniel Teclu
Moisture	BAL	8716348	N/A	2023/06/09	Muhammad Chhaidan
pH CaCl2 EXTRACT	AT	8719674	2023/06/12	2023/06/12	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	8715121	N/A	2023/06/15	Automated Statchk

Bureau Veritas ID: WAZ127 Dup
Sample ID: BH8 SS4
Matrix: Soil

Collected: 2023/06/07
Shipped:
Received: 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8716348	N/A	2023/06/09	Muhammad Chhaidan

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

GENERAL COMMENTS

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

Package 1	-0.3°C
Package 2	0.7°C

Sample WAZ076 [BH6 SS5] : SAR Analysis: NC = Not Calculable as Calcium and Magnesium were not detected.

Sample WAZ081 [BH7 SS5] : F1 BTEX Analysis: Detection limits were adjusted for sample weight.

Sample WAZ127 [BH8 SS4] : F1 BTEX Analysis: Detection limits were adjusted for sample weight.

Results relate only to the items tested.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8717671	1,4-Difluorobenzene	2023/06/11	100	60 - 140	101	60 - 140	102	%		
8717671	4-Bromofluorobenzene	2023/06/11	100	60 - 140	100	60 - 140	98	%		
8717671	D10-o-Xylene	2023/06/11	100	60 - 140	88	60 - 140	84	%		
8717671	D4-1,2-Dichloroethane	2023/06/11	95	60 - 140	93	60 - 140	94	%		
8717713	1,4-Difluorobenzene	2023/06/11	98	60 - 140	97	60 - 140	100	%		
8717713	4-Bromofluorobenzene	2023/06/11	100	60 - 140	103	60 - 140	101	%		
8717713	D10-o-Xylene	2023/06/11	90	60 - 140	88	60 - 140	90	%		
8717713	D4-1,2-Dichloroethane	2023/06/11	95	60 - 140	96	60 - 140	97	%		
8719071	o-Terphenyl	2023/06/12	101	60 - 130	98	60 - 130	103	%		
8719078	o-Terphenyl	2023/06/12	96	60 - 130	99	60 - 130	105	%		
8716127	Moisture	2023/06/09							2.9	20
8716348	Moisture	2023/06/09							5.2	20
8717671	Benzene	2023/06/11	100	50 - 140	89	50 - 140	<0.020	ug/g	NC	50
8717671	Ethylbenzene	2023/06/11	115	50 - 140	102	50 - 140	<0.020	ug/g	NC	50
8717671	F1 (C6-C10) - BTEX	2023/06/11					<10	ug/g	NC	30
8717671	F1 (C6-C10)	2023/06/11	107	60 - 140	95	80 - 120	<10	ug/g	NC	30
8717671	o-Xylene	2023/06/11	111	50 - 140	98	50 - 140	<0.020	ug/g	NC	50
8717671	p+m-Xylene	2023/06/11	111	50 - 140	98	50 - 140	<0.040	ug/g	NC	50
8717671	Toluene	2023/06/11	96	50 - 140	85	50 - 140	<0.020	ug/g	NC	50
8717671	Total Xylenes	2023/06/11					<0.040	ug/g	NC	50
8717713	Benzene	2023/06/11	92	50 - 140	90	50 - 140	<0.020	ug/g	NC	50
8717713	Ethylbenzene	2023/06/11	106	50 - 140	102	50 - 140	<0.020	ug/g	NC	50
8717713	F1 (C6-C10) - BTEX	2023/06/11					<10	ug/g	NC	30
8717713	F1 (C6-C10)	2023/06/11	97	60 - 140	96	80 - 120	<10	ug/g	NC	30
8717713	o-Xylene	2023/06/11	101	50 - 140	99	50 - 140	<0.020	ug/g	NC	50
8717713	p+m-Xylene	2023/06/11	101	50 - 140	98	50 - 140	<0.040	ug/g	NC	50
8717713	Toluene	2023/06/11	87	50 - 140	85	50 - 140	<0.020	ug/g	NC	50
8717713	Total Xylenes	2023/06/11					<0.040	ug/g	NC	50
8719071	F2 (C10-C16 Hydrocarbons)	2023/06/12	104	60 - 130	98	80 - 120	<10	ug/g	NC	30
8719071	F3 (C16-C34 Hydrocarbons)	2023/06/12	105	60 - 130	99	80 - 120	<50	ug/g	NC	30

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8719071	F4 (C34-C50 Hydrocarbons)	2023/06/12	105	60 - 130	100	80 - 120	<50	ug/g	NC	30
8719078	F2 (C10-C16 Hydrocarbons)	2023/06/12	94	60 - 130	98	80 - 120	<10	ug/g	NC	30
8719078	F3 (C16-C34 Hydrocarbons)	2023/06/12	91	60 - 130	96	80 - 120	<50	ug/g	NC	30
8719078	F4 (C34-C50 Hydrocarbons)	2023/06/12	99	60 - 130	102	80 - 120	<50	ug/g	NC	30
8719126	Acid Extractable Antimony (Sb)	2023/06/12	83	75 - 125	94	80 - 120	<0.20	ug/g	NC	30
8719126	Acid Extractable Arsenic (As)	2023/06/12	99	75 - 125	99	80 - 120	<1.0	ug/g	0.60	30
8719126	Acid Extractable Barium (Ba)	2023/06/12	95	75 - 125	98	80 - 120	<0.50	ug/g	3.2	30
8719126	Acid Extractable Beryllium (Be)	2023/06/12	95	75 - 125	95	80 - 120	<0.20	ug/g	3.5	30
8719126	Acid Extractable Boron (B)	2023/06/12	97	75 - 125	98	80 - 120	<5.0	ug/g	NC	30
8719126	Acid Extractable Cadmium (Cd)	2023/06/12	94	75 - 125	97	80 - 120	<0.10	ug/g	NC	30
8719126	Acid Extractable Chromium (Cr)	2023/06/12	98	75 - 125	95	80 - 120	<1.0	ug/g	2.7	30
8719126	Acid Extractable Cobalt (Co)	2023/06/12	95	75 - 125	95	80 - 120	<0.10	ug/g	0.64	30
8719126	Acid Extractable Copper (Cu)	2023/06/12	94	75 - 125	98	80 - 120	<0.50	ug/g	0.16	30
8719126	Acid Extractable Lead (Pb)	2023/06/12	94	75 - 125	95	80 - 120	<1.0	ug/g	2.8	30
8719126	Acid Extractable Molybdenum (Mo)	2023/06/12	91	75 - 125	94	80 - 120	<0.50	ug/g	NC	30
8719126	Acid Extractable Nickel (Ni)	2023/06/12	100	75 - 125	97	80 - 120	<0.50	ug/g	3.4	30
8719126	Acid Extractable Selenium (Se)	2023/06/12	99	75 - 125	98	80 - 120	<0.50	ug/g	NC	30
8719126	Acid Extractable Silver (Ag)	2023/06/12	93	75 - 125	95	80 - 120	<0.20	ug/g	NC	30
8719126	Acid Extractable Thallium (Tl)	2023/06/12	93	75 - 125	95	80 - 120	<0.050	ug/g	NC	30
8719126	Acid Extractable Uranium (U)	2023/06/12	89	75 - 125	93	80 - 120	<0.050	ug/g	7.4	30
8719126	Acid Extractable Vanadium (V)	2023/06/12	95	75 - 125	93	80 - 120	<5.0	ug/g	2.0	30
8719126	Acid Extractable Zinc (Zn)	2023/06/12	105	75 - 125	99	80 - 120	<5.0	ug/g	3.4	30
8719134	Acid Extractable Antimony (Sb)	2023/06/12	93	75 - 125	99	80 - 120	<0.20	ug/g	NC	30
8719134	Acid Extractable Arsenic (As)	2023/06/12	95	75 - 125	98	80 - 120	<1.0	ug/g	4.7	30
8719134	Acid Extractable Barium (Ba)	2023/06/12	95	75 - 125	95	80 - 120	<0.50	ug/g	6.0	30
8719134	Acid Extractable Beryllium (Be)	2023/06/12	98	75 - 125	99	80 - 120	<0.20	ug/g	15	30
8719134	Acid Extractable Boron (B)	2023/06/12	92	75 - 125	98	80 - 120	<5.0	ug/g	NC	30
8719134	Acid Extractable Cadmium (Cd)	2023/06/12	95	75 - 125	98	80 - 120	<0.10	ug/g	NC	30
8719134	Acid Extractable Chromium (Cr)	2023/06/12	93	75 - 125	97	80 - 120	<1.0	ug/g	7.9	30
8719134	Acid Extractable Cobalt (Co)	2023/06/12	91	75 - 125	94	80 - 120	<0.10	ug/g	7.1	30

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8719134	Acid Extractable Copper (Cu)	2023/06/12	94	75 - 125	100	80 - 120	<0.50	ug/g	3.5	30
8719134	Acid Extractable Lead (Pb)	2023/06/12	94	75 - 125	96	80 - 120	<1.0	ug/g	4.6	30
8719134	Acid Extractable Molybdenum (Mo)	2023/06/12	95	75 - 125	97	80 - 120	<0.50	ug/g	NC	30
8719134	Acid Extractable Nickel (Ni)	2023/06/12	91	75 - 125	96	80 - 120	<0.50	ug/g	3.5	30
8719134	Acid Extractable Selenium (Se)	2023/06/12	92	75 - 125	94	80 - 120	<0.50	ug/g	NC	30
8719134	Acid Extractable Silver (Ag)	2023/06/12	93	75 - 125	100	80 - 120	<0.20	ug/g	NC	30
8719134	Acid Extractable Thallium (Tl)	2023/06/12	93	75 - 125	95	80 - 120	<0.050	ug/g	0.11	30
8719134	Acid Extractable Uranium (U)	2023/06/12	93	75 - 125	96	80 - 120	<0.050	ug/g	11	30
8719134	Acid Extractable Vanadium (V)	2023/06/12	92	75 - 125	97	80 - 120	<5.0	ug/g	10	30
8719134	Acid Extractable Zinc (Zn)	2023/06/12	NC	75 - 125	97	80 - 120	<5.0	ug/g	12	30
8719470	Available (CaCl2) pH	2023/06/12			100	97 - 103			1.5	N/A
8719674	Available (CaCl2) pH	2023/06/12			100	97 - 103			0.033	N/A
8722001	Conductivity	2023/06/13			103	90 - 110	<0.002	mS/cm	0.86	10
8722014	Conductivity	2023/06/13			103	90 - 110	<0.002	mS/cm	3.4	10

N/A = Not Applicable

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

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

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

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

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

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

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

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

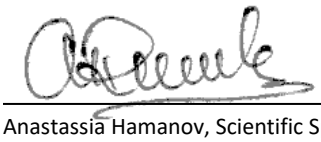
Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, 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 {0}, {1} responsible for {2} {3} laboratory operations.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

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

08-Jun-23 17:30
Patricia Legette
C3G6612
SPJ ENV-1177

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name:	#17492 exp Services Inc	Company Name:		Quotation #:	~~C20328~~ Stream 3
Attention:	Accounts Payable	Attention:	~~Jennifer Hayman~~ Jason Slidders	P.O. #:	BRM-ENV
Address:	1266 South Service Rd Suite C1-1	Address:	Nolan McGahey	Project:	GTR-23002995-A0
	Stoney Creek ON L8E 5R9			Project Name:	
Tel:	(905) 573-4000 Fax:	Tel:	(905) 525-6069 Fax: nolan.mcgahey@exp.com	Site #:	Plains Rd East
Email:	AP@exp.com; Karen.Burke@exp.com	Email:	~~Jennifer.Hayman@exp.com~~ jason.slidders@exp.com	Sampled By:	MH

Bottle Order #: 935334
Project Manager: Patricia Legette
C#935334-12-01

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)
- ☐ 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 3.1
- ☐ Other ___

Special Instructions

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

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

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 #)*

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Excess Soils Metals, pH	Excess Soils PHC F1-F4	Excess Soils BTEX	Excess Soils EC/SAR	# of Bottles	Comments
1		BH/MW3 SS2	June 7/23	~~June 7/23~~ PM	S	X	X	X	X	4	
2		BH/MW3 SS3				X	X	X	X	4	
3		BH/MW3 SS4				X	X	X	X	4	
4		BH/MW3 SS5				X	X	X	X	4	
5		BH5 SS2				X	X	X	X	4	
6		BH5 SS3				X	X	X	X	4	
7		BH5 SS4				X	X	X	X	4	
8		BH5 SS5				X	X	X	X	4	
9		BH5 SS3D				X			X	1	
10		BH6 SS2				X	X	X	X	4	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
M. Martin Hluchaniuk	23/6/8	10:00am	ACM	2023/06/08	1730	

Laboratory Use Only
Time Sensitive
Temperature (°C) on Receipt: 1|0|-2, 1|0|1
Custody Seal Present: Yes ✓ Intact: 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
once

Bureau Veritas Canada (2019) Inc.

BUREAU VERITAS

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

CHAIN OF CUSTODY RECORD

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#17492 exp Services Inc	Company Name:		Quotation #:	C20328	Bureau Veritas Job #:	Bottle Order #: 935334
Attention:	Accounts Payable	Attention:	~~Jennifer Hayman~~	P.O. #:			
Address:	1266 South Service Rd Suite C1-1 Stoney Creek ON L8E 5R9	Address:	SAME PAGE 1	Project:	SAME PAGE 1	COC #: C#935334-13-01	Project Manager: Patricia Legette
Tel:	(905) 573-4000 Fax:	Tel:	(905) 525-6069 Fax:	Project Name:			
Email:	AP@exp.com; Karen.Burke@exp.com	Email:	~~Jennifer.Hayman@exp.com~~	Site #:			
				Sampled By:			

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
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☒ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☒ Reg 406 Table 3,1 ☐ Other ___	

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

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 #)*

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	ANALYSIS REQUESTED (PLEASE BE SPECIFIC): Excess Soils Metals, pH	Excess Soils PHCs F1-F4	Excess Soils BTEX	Excess Soils EC/SAR	# of Bottles	Comments
1		BH6 SS3	June 7/23	PM	S		X	X	X	X	4	
2		BH6 SS4					X	X	X	X	4	
3		BH6 SS4D						X	X		3	
4		BH6 SS5					X	X	X	X	4	
5		BH7 SS2					X	X	X	X	4	
6		BH7 SS3					X	X	X	X	4	
7		BH7 SS4					X	X	X	X	4	
8		BH7 SS4D						X	X		3	
9		BH7 SS5					X	X	X	X	4	
10		BH7 SS5D					X			X	1	

* 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: Time Sensitive	Temperature (°C) on Recei	Custody Seal Present	Yes	No
M. Hluchaniuk Martin Hluchaniuk	23/6/8	10:00am	See Page 1						Intact		

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

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

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

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

White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

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

CHAIN OF CUSTODY RECORD

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#17492 exp Services Inc	Company Name:		Quotation #:	~~C20328~~	Bureau Veritas Job #:	Bottle Order #:
Attention:	Accounts Payable	Attention:	~~Jennifer Hayman~~	P.O. #:			935334
Address:	1266 South Service Rd Suite C1-1	Address:	SAME PAGE 1	Project:	SAME PAGE 1	COC #:	Project Manager:
	Stoney Creek ON L8E 5R9			Project Name:		C#935334-14-01	Patricia Legette
Tel:	(905) 573-4000 Fax:	Tel:	(905) 525-6069 Fax:	Site #:			
Email:	AP@exp.com; Karen.Burke@exp.com	Email:	~~Jennifer.Hayman@exp.com~~	Sampled By:			

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 3.1
- ☐ Other ___

Special Instructions

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

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

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 #)*

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered	Excess Soils Metals pH	Excess Soils PHCs F1-F4	Excess Soils BTEX	Excess Soils EC/SAR						# of Bottles	Comments
1		BH8 SS2	June 7/23	PM	S		X	X	X	X						4	
2		BH8 SS3	↓	↓	↓		X	X	X	X						4	
3		BH8 SS4	↓	↓	↓		X	X	X	X						4	
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				
M. Martin Hluchaniuk	23/6/8	10.00am	See page 1				Time Sensitive	Temperature (°C) on Recei	Custody Seal Present	Yes	No
									Intact		

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

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

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

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

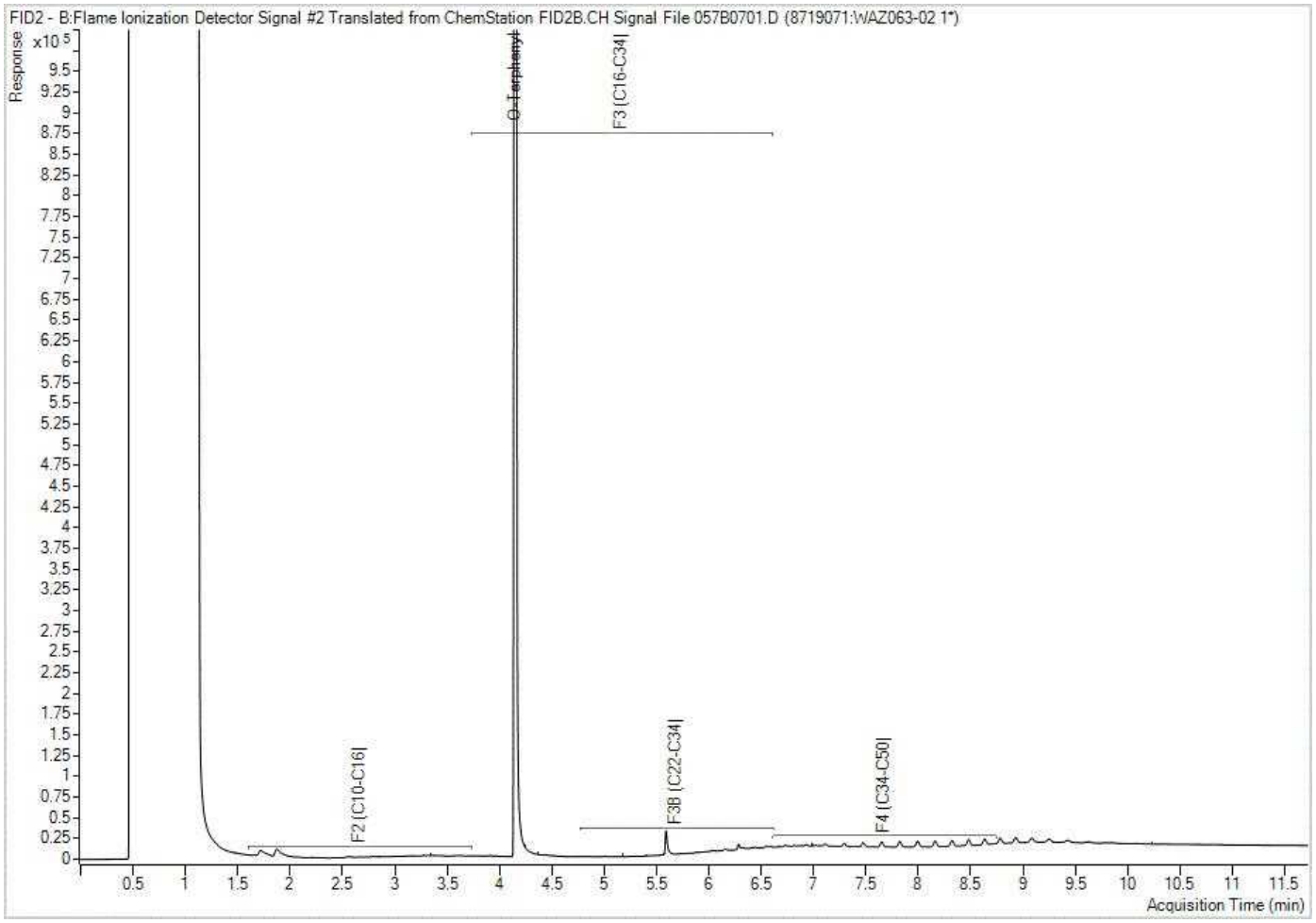
White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ063

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH/MW3 SS2

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

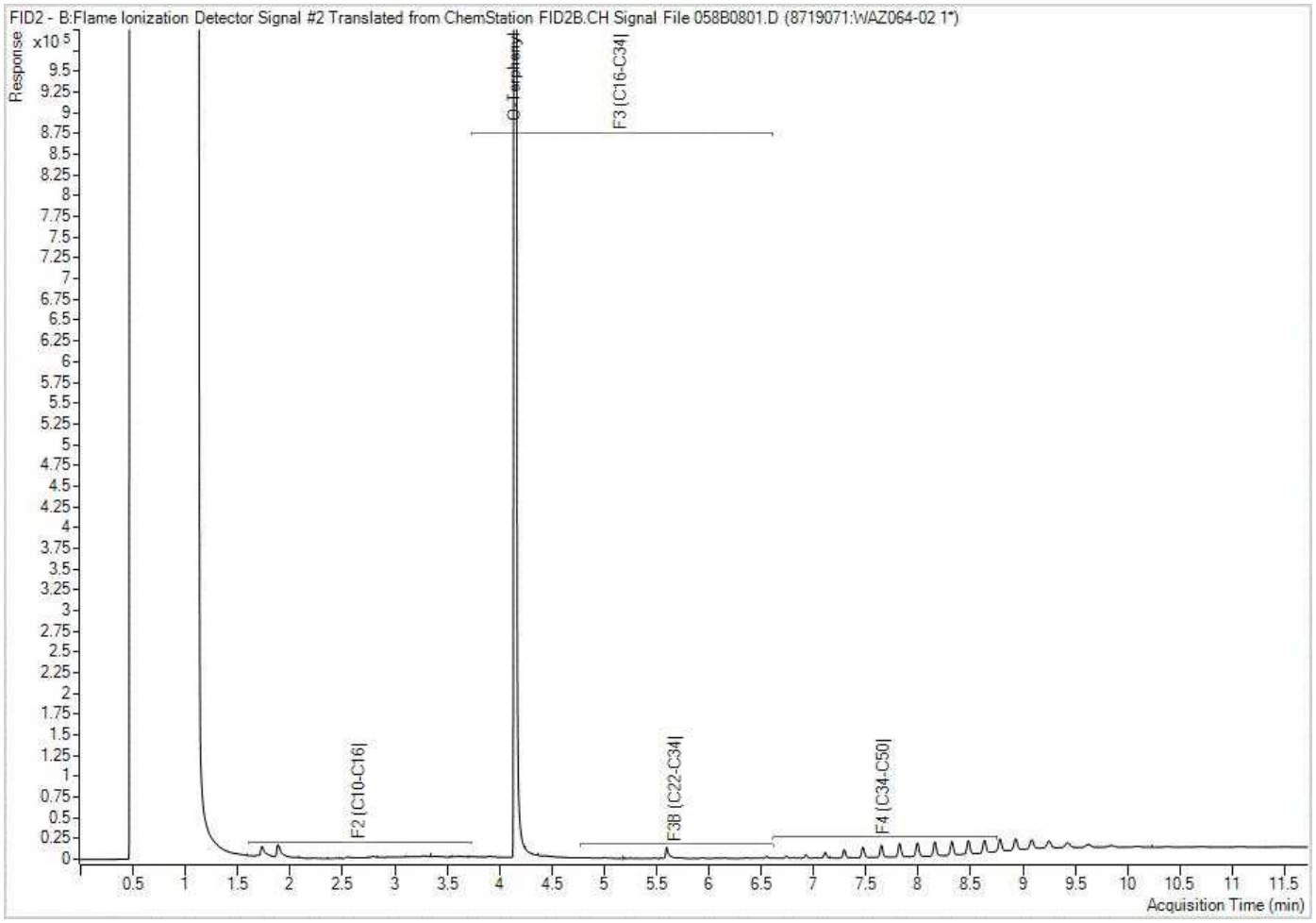


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ064

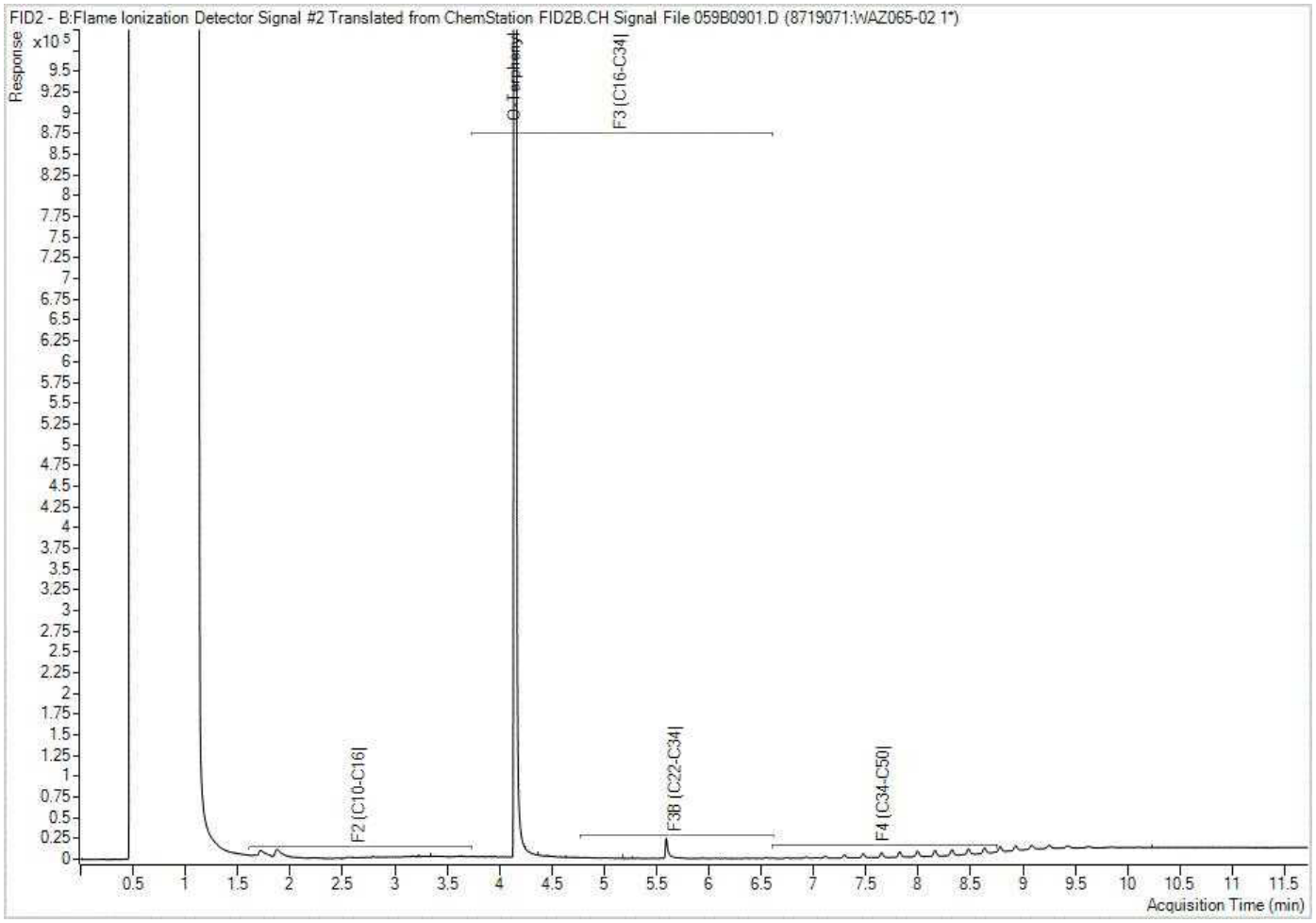
exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH/MW3 SS3

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

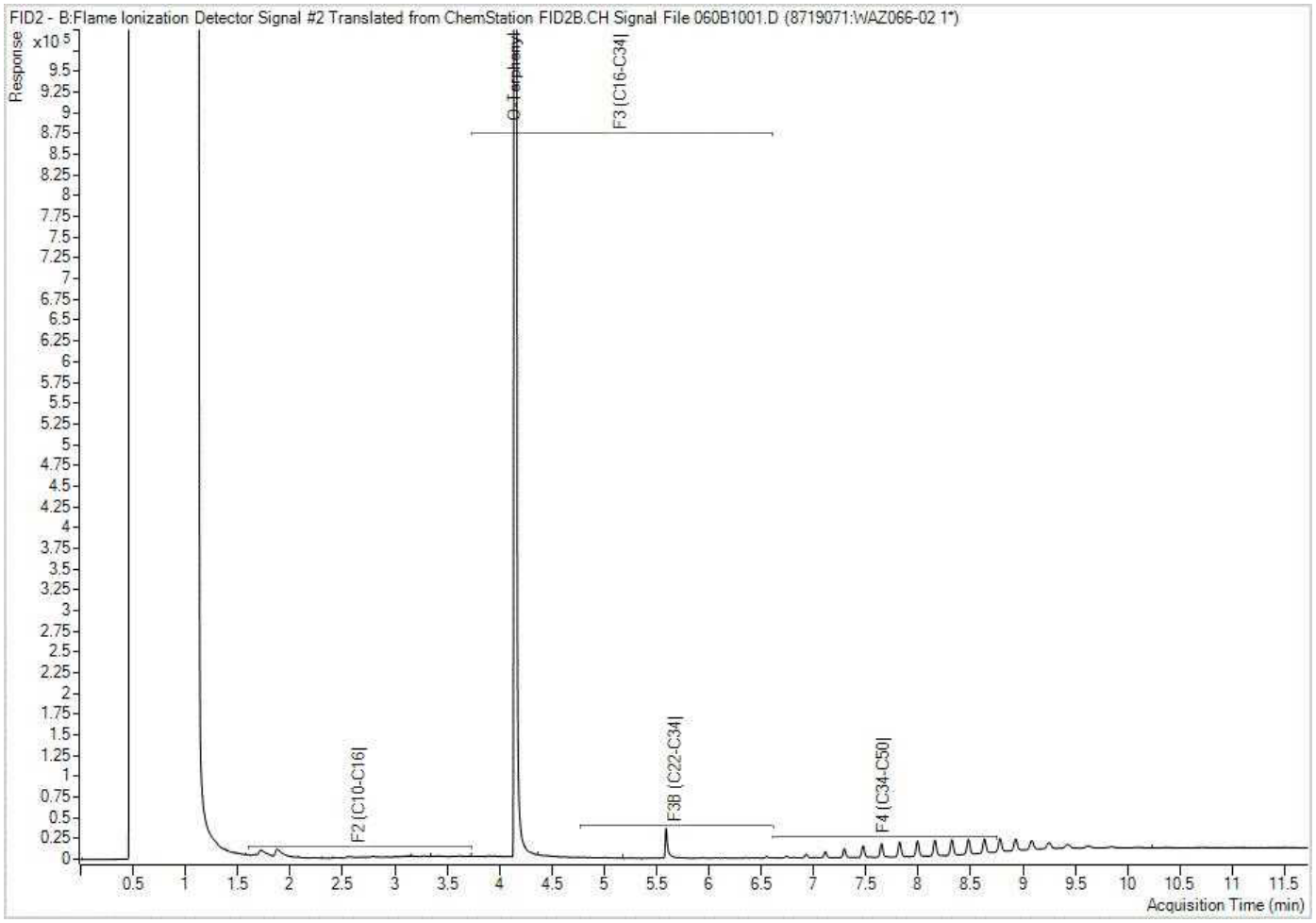


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ066

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH/MW3 SS5

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

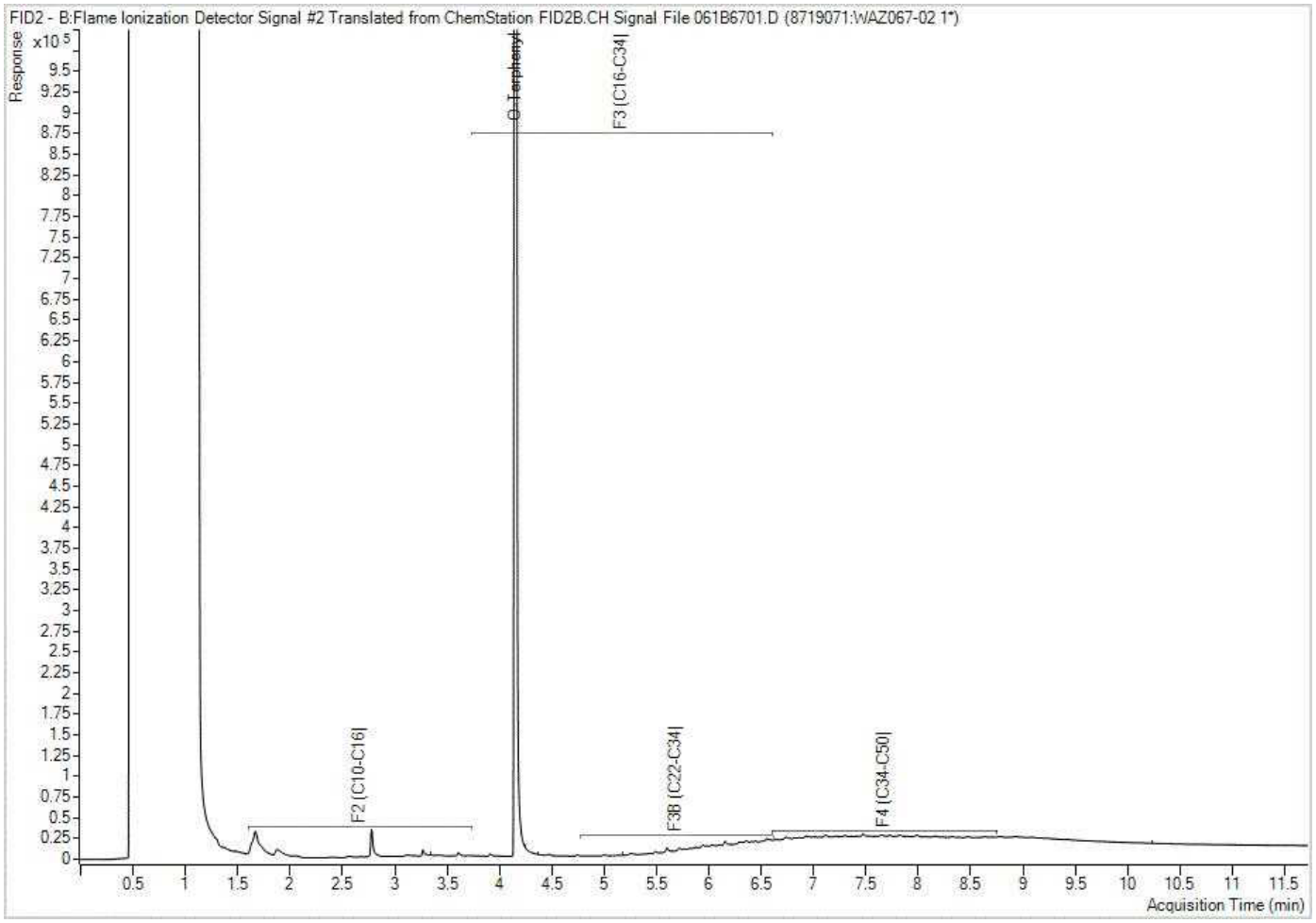


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ067

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH5 SS2

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

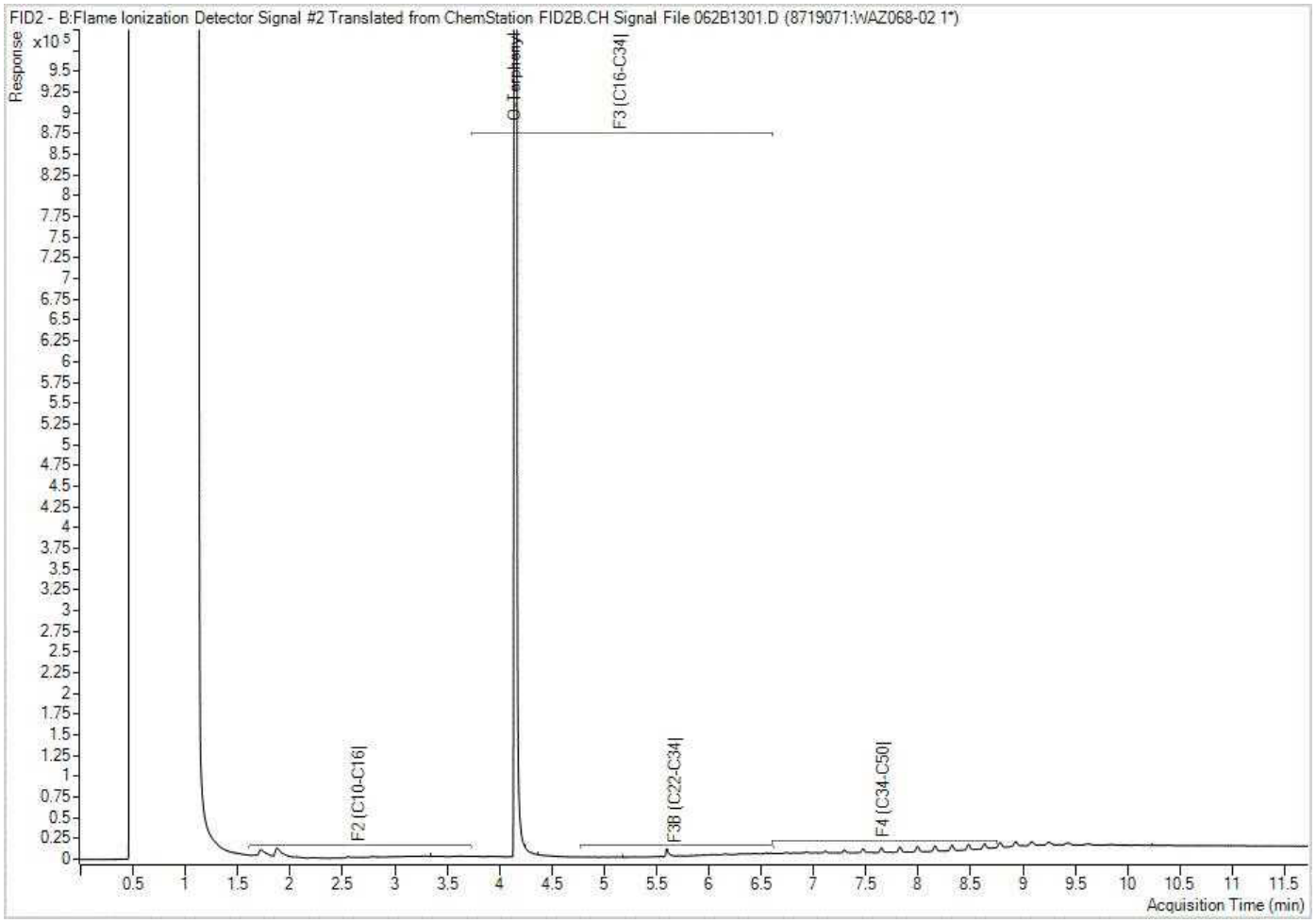


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ068

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH5 SS3

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

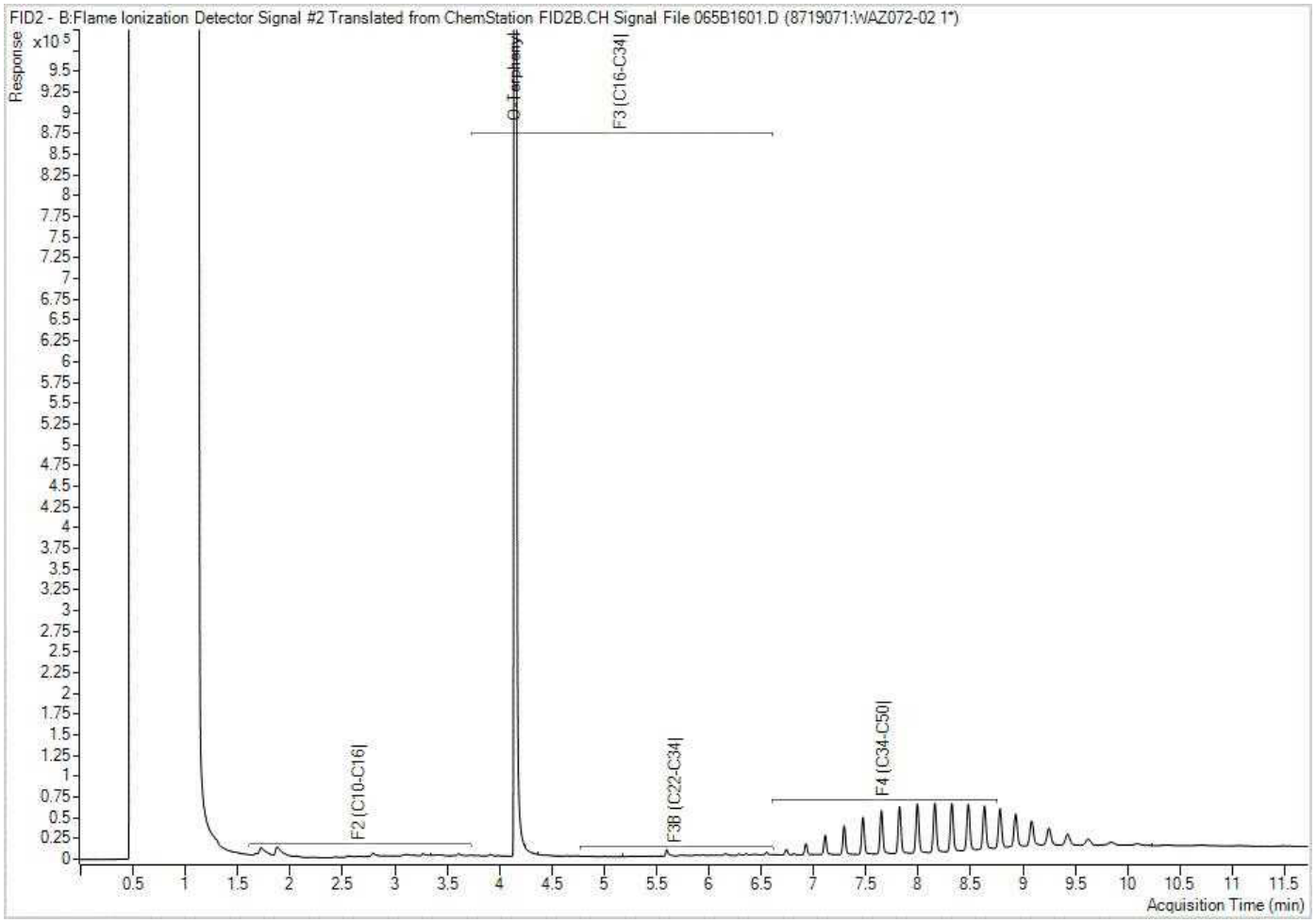


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ072

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH6 SS2

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

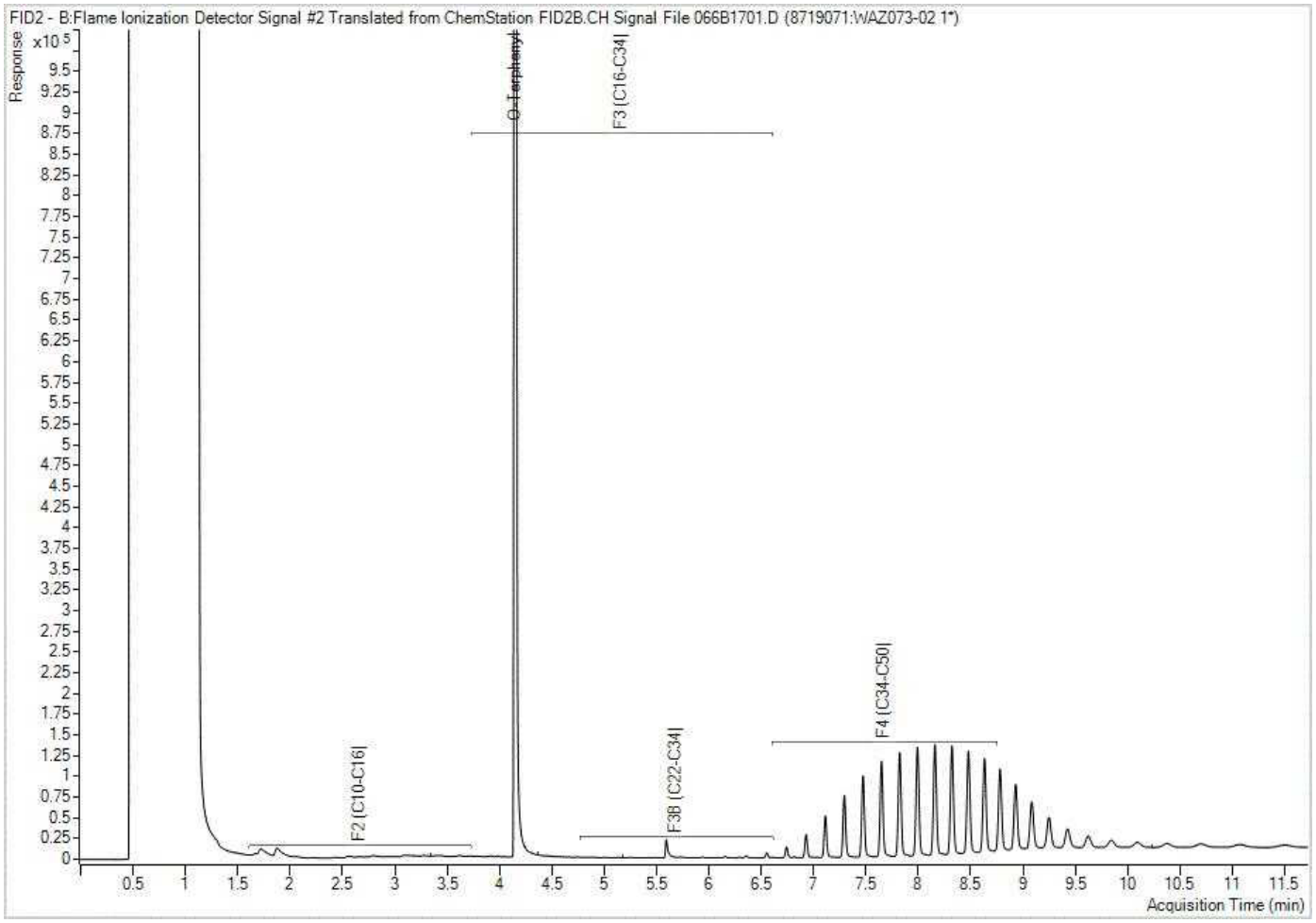


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ073

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH6 SS3

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

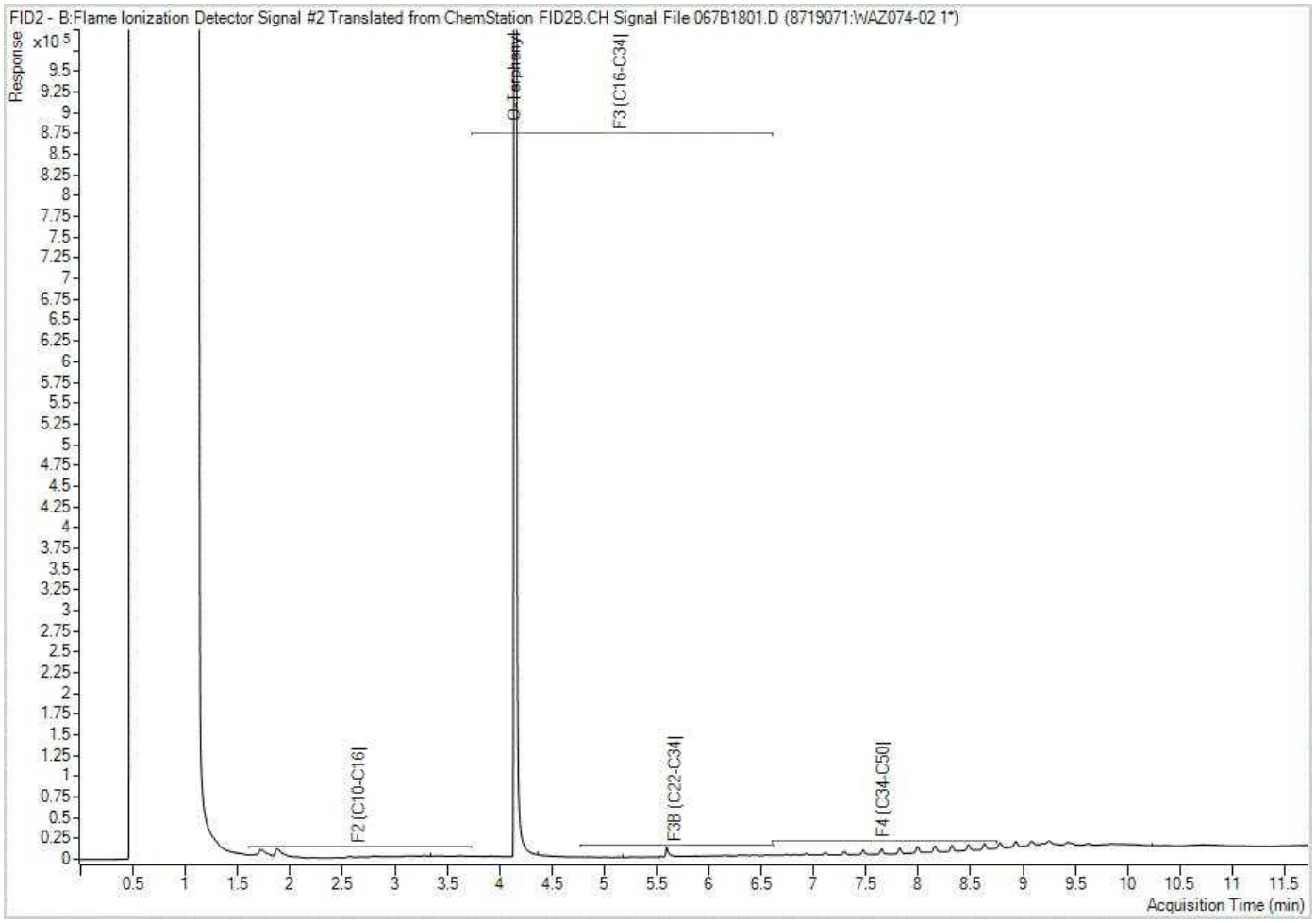


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ074

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH6 SS4

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

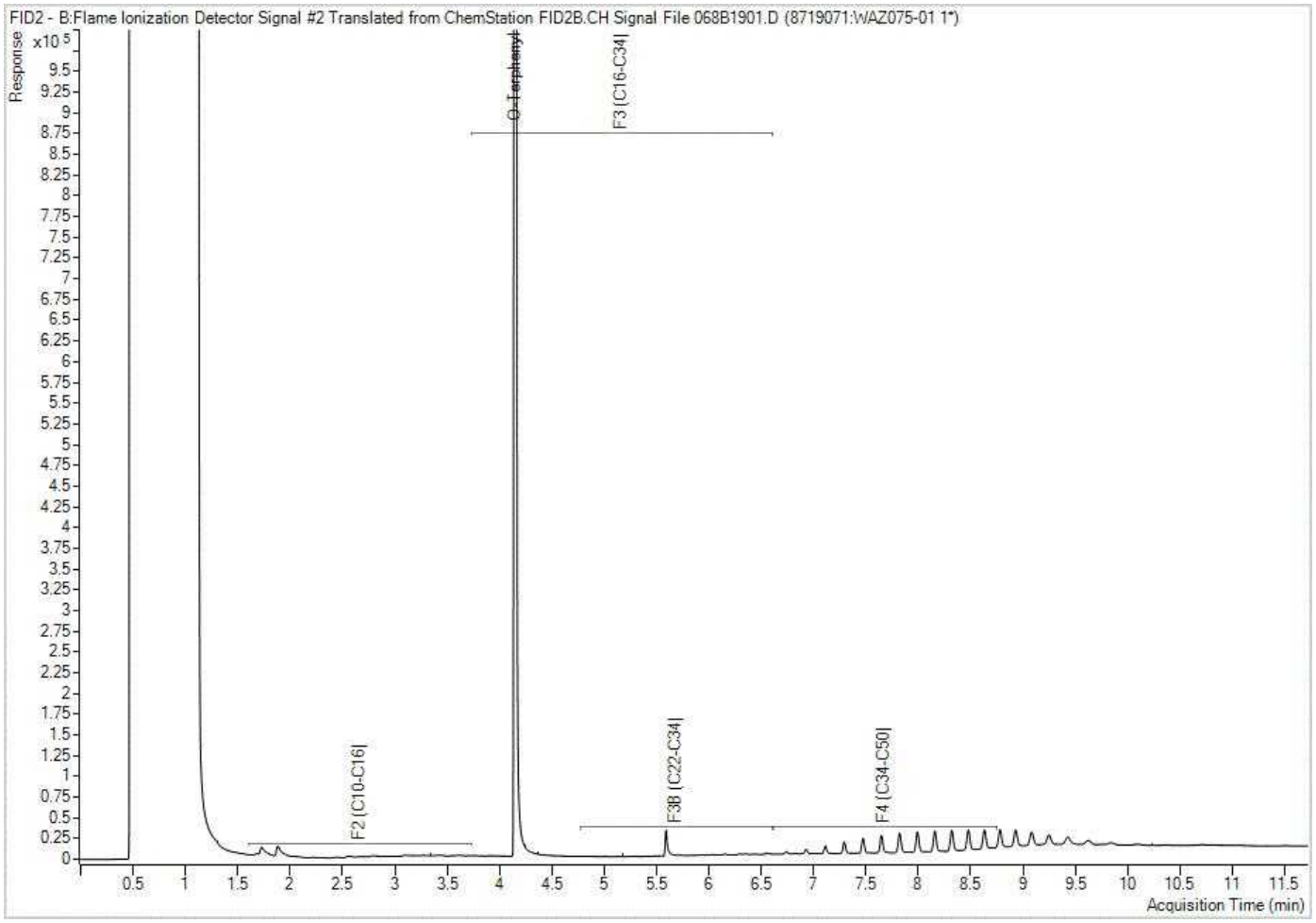


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ075

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH6 SS4D

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

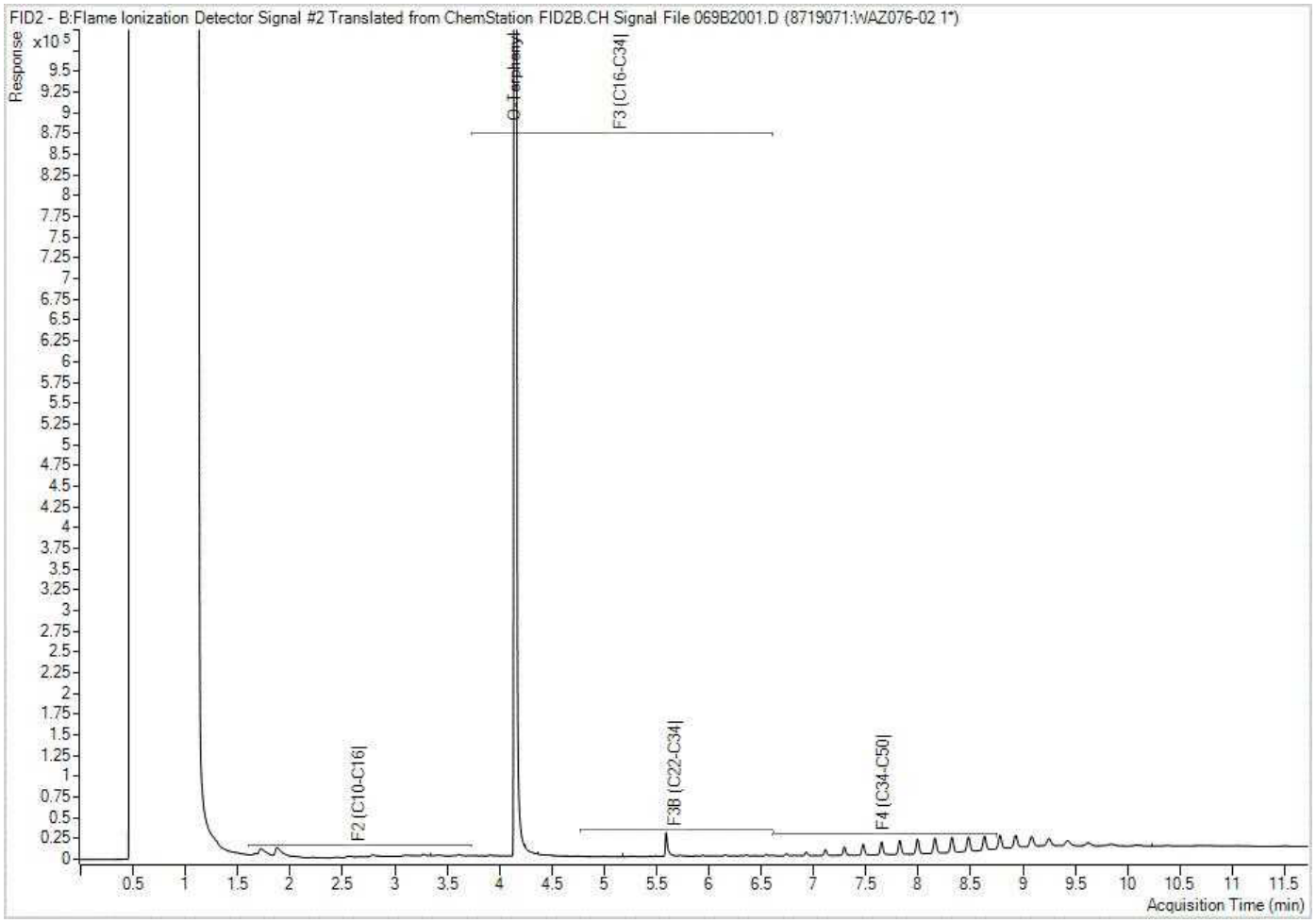


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ076

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH6 SS5

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

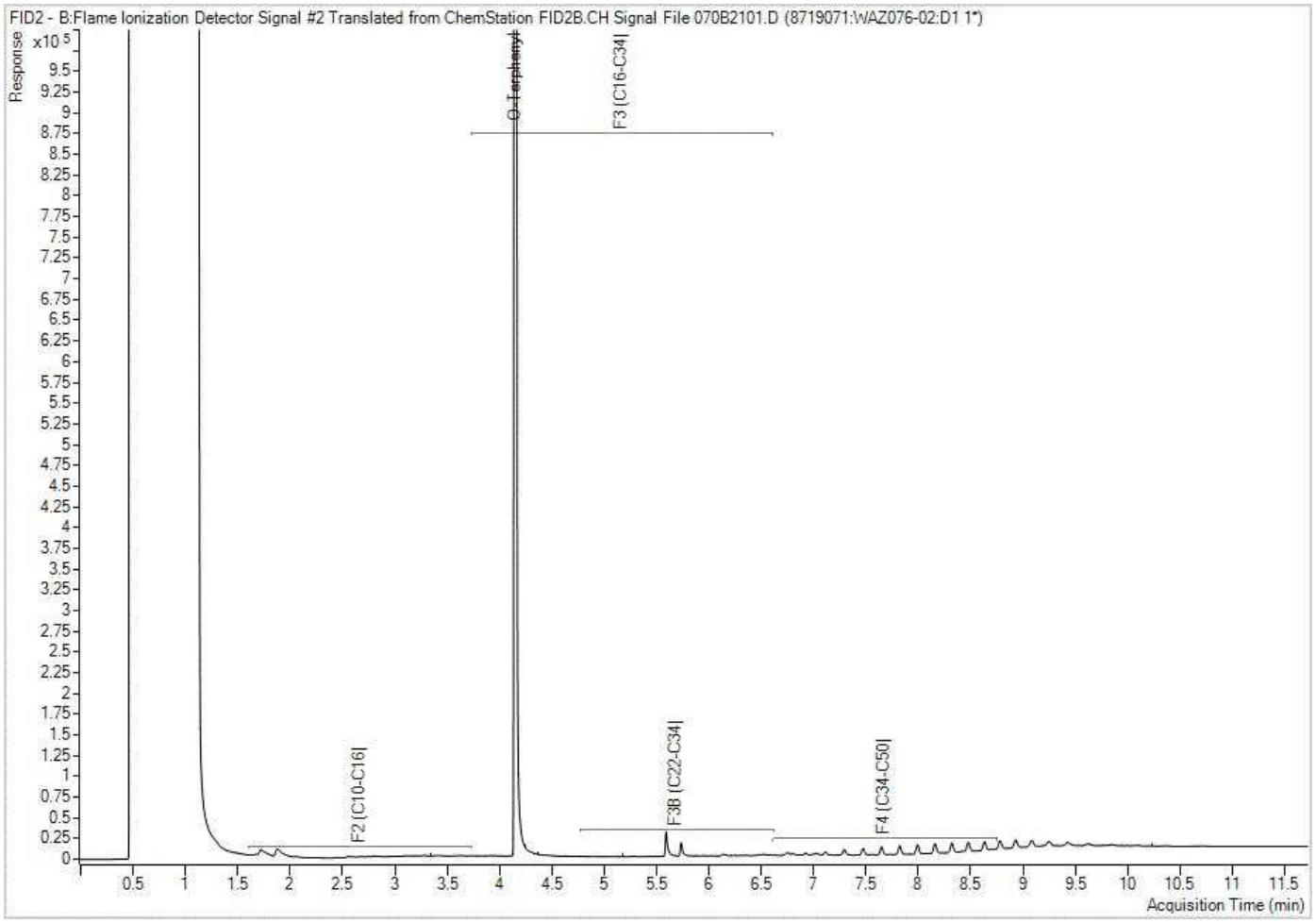


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ076 Lab-Dup

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH6 SS5

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

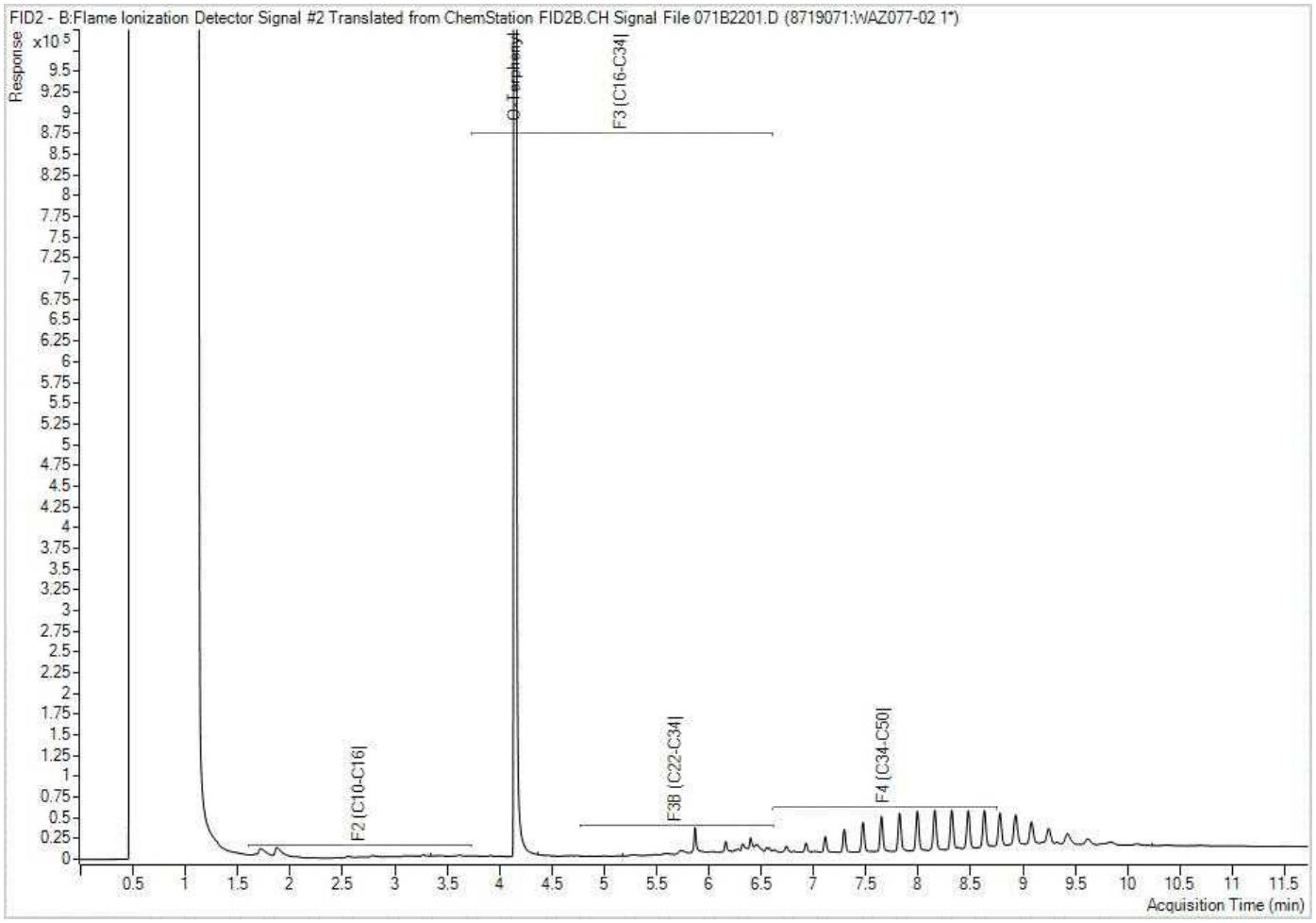


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ077

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH7 SS2

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

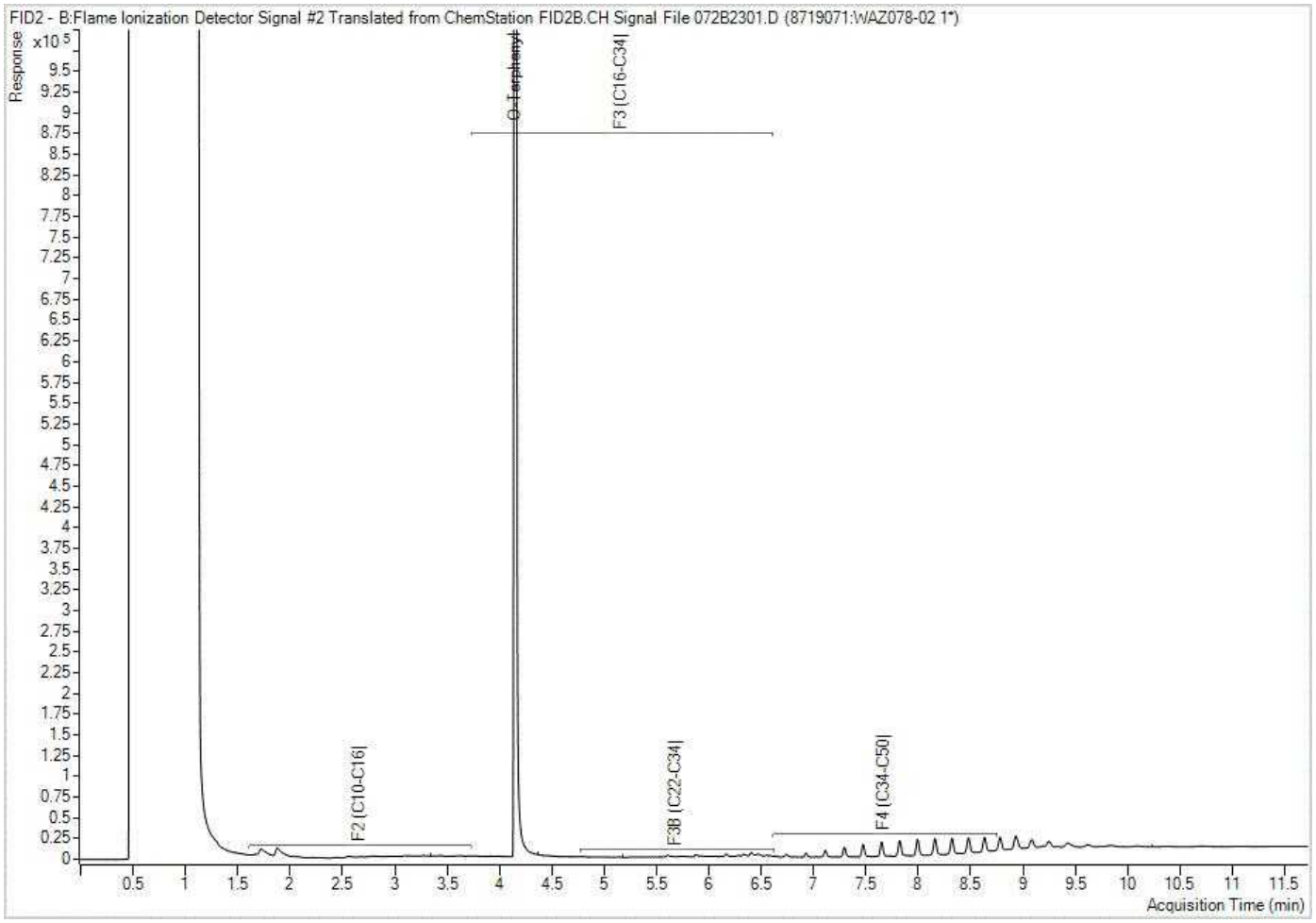


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ078

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH7 SS3

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

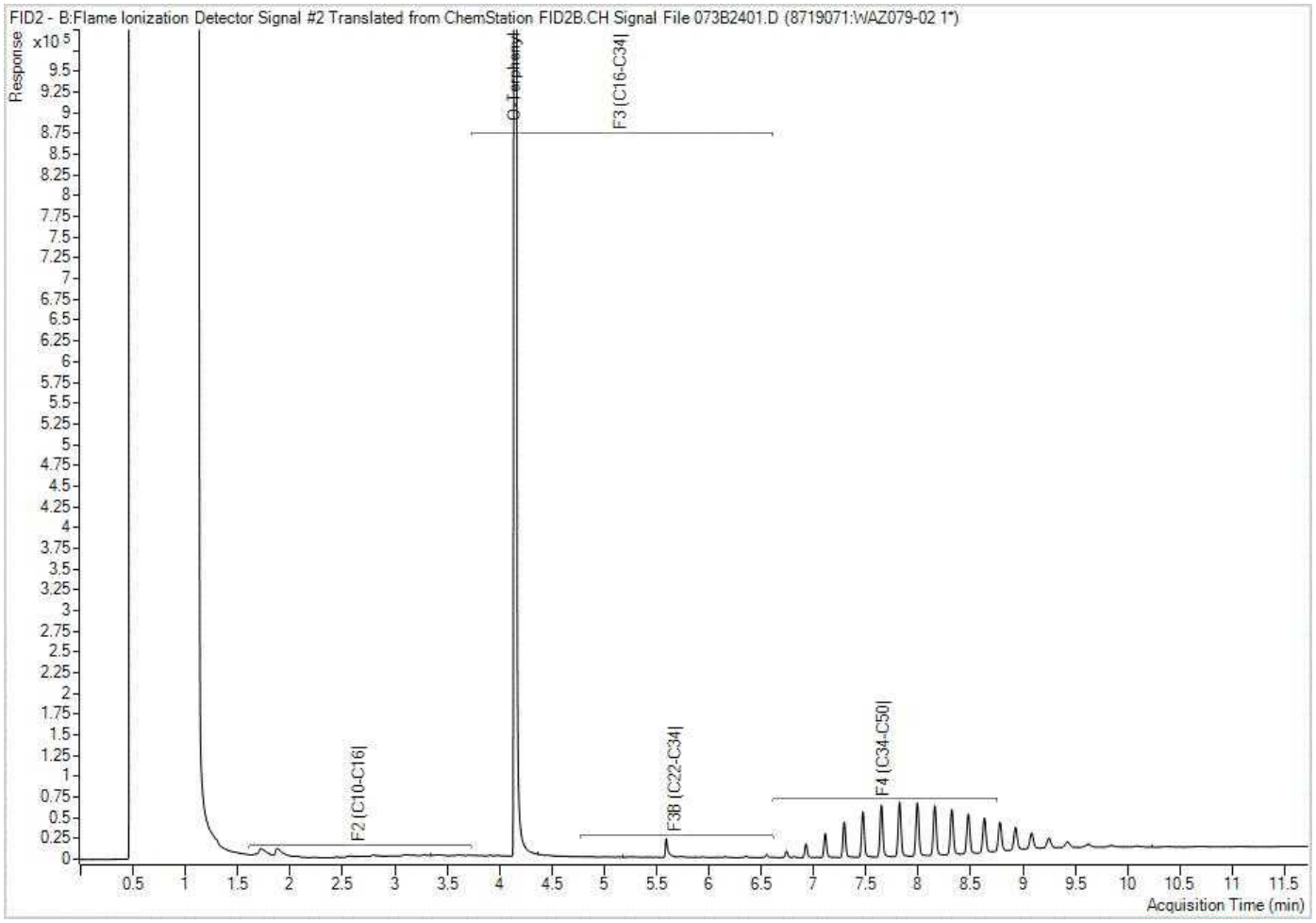


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ079

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH7 SS4

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

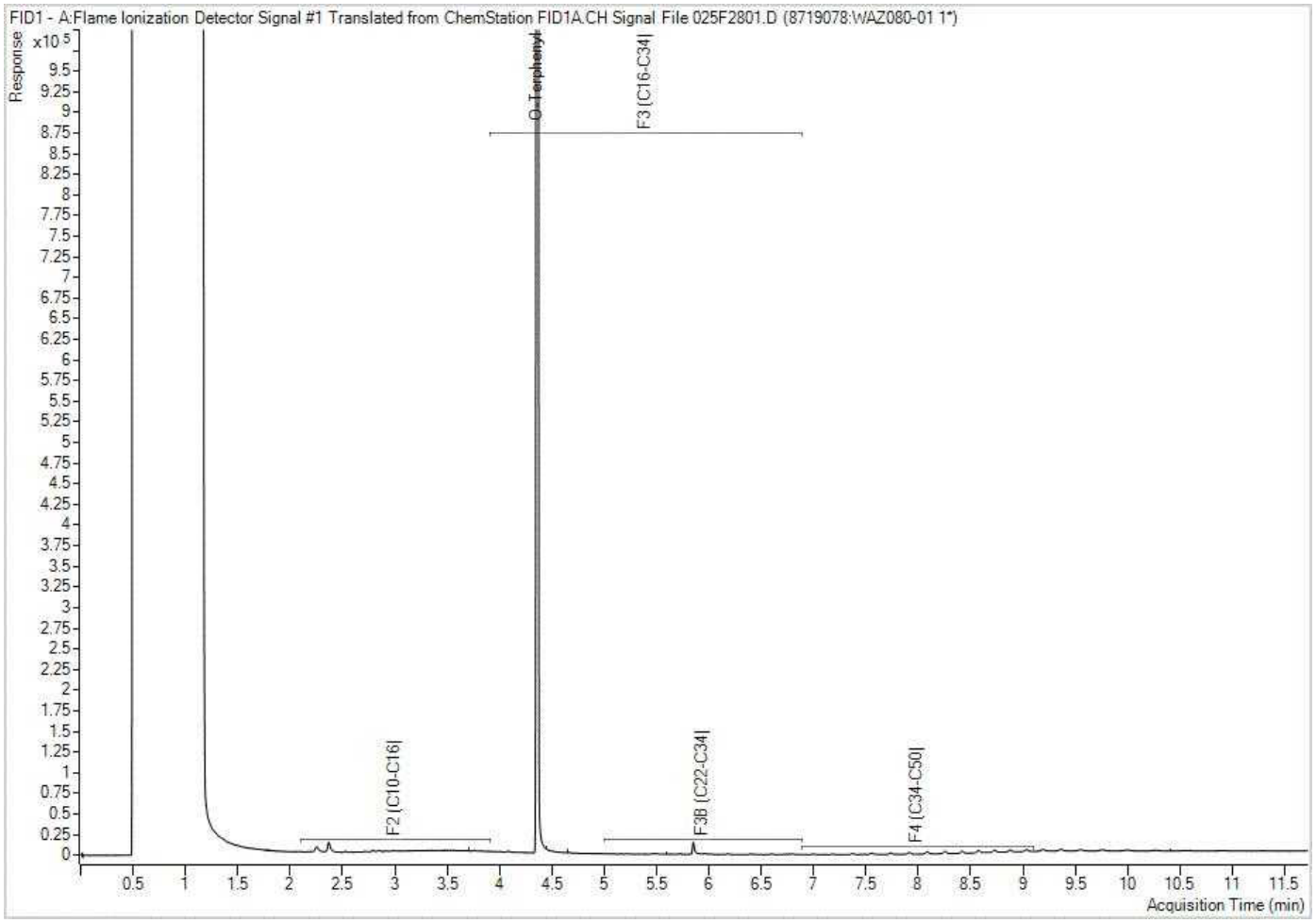


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ080

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH7 SS4D

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

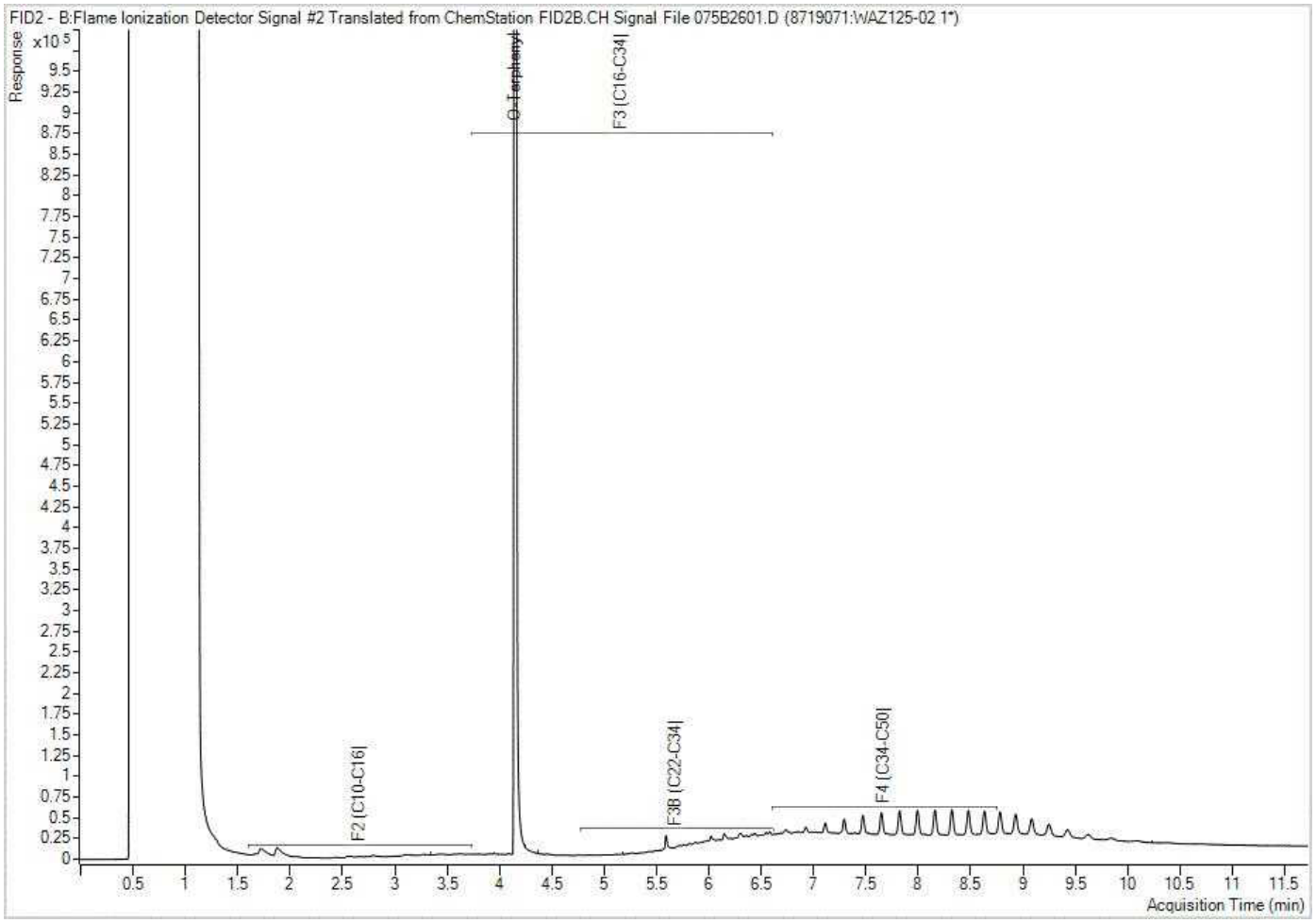


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ125

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH8 SS2

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

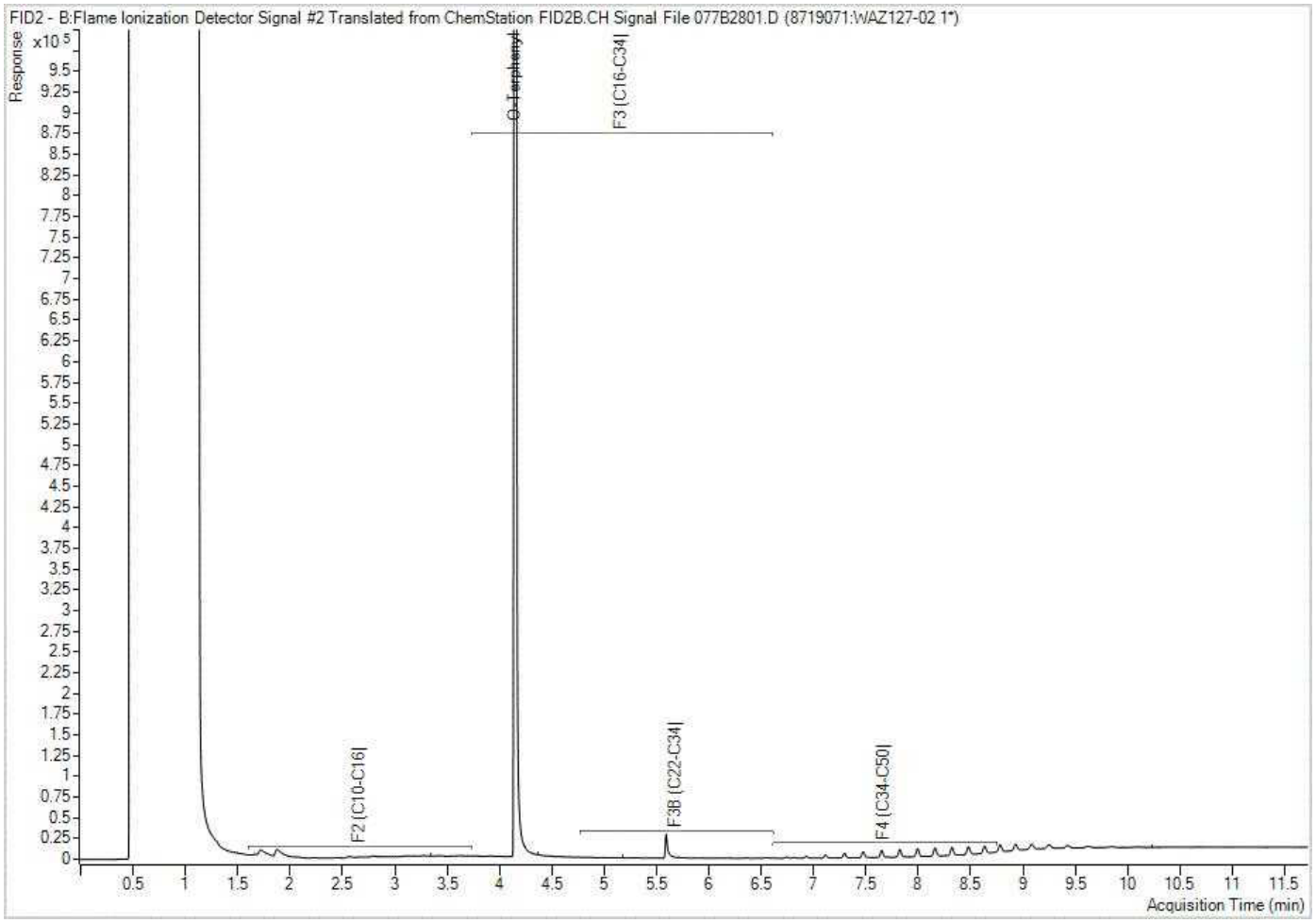


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15
Bureau Veritas Sample: WAZ127

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH8 SS4

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.

Bureau Veritas Job #: C3G6612
Report Date: 2023/06/15

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

Exceedance Summary Table – Reg 406 T3.1 Res (S)

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
BH/MW3 SS2	WAZ063-01	Sodium Adsorption Ratio	5	5.7		N/A
BH/MW3 SS3	WAZ064-01	Sodium Adsorption Ratio	5	11		N/A
BH/MW3 SS4	WAZ065-01	Sodium Adsorption Ratio	5	11		N/A
BH/MW3 SS5	WAZ066-01	Sodium Adsorption Ratio	5	9.0		N/A
BH5 SS4	WAZ069-01	Sodium Adsorption Ratio	5	5.2		N/A
BH6 SS4	WAZ074-01	Sodium Adsorption Ratio	5	5.6		N/A
BH8 SS3	WAZ126-01	Sodium Adsorption Ratio	5	11		N/A
BH8 SS4	WAZ127-01	Sodium Adsorption Ratio	5	8.3		N/A

Detection Limit Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
BH7 SS5	WAZ081-03	Benzene	0.02	<0.040	0.040	ug/g
BH8 SS4	WAZ127-03	Benzene	0.02	<0.040	0.040	ug/g

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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

Your P.O. #: BRM-ENV
Your Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your C.O.C. #: 937900-01-01

Attention: Jason Slidders

exp Services Inc
Brampton Branch
1595 Clark Blvd
Brampton, ON
CANADA L6T 4V1

Report Date: 2023/06/19
Report #: R7678162
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3G9982
Received: 2023/06/12, 14:35

Sample Matrix: Soil
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Conductivity	2	2023/06/15	2023/06/15	CAM SOP-00414	OMOE E3530 v1 m
Conductivity	2	2023/06/15	2023/06/16	CAM SOP-00414	OMOE E3530 v1 m
Petroleum Hydro. CCME F1 & BTEX in Soil (1)	4	N/A	2023/06/14	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (2)	4	2023/06/14	2023/06/14	CAM SOP-00316	CCME CWS m
Acid Extractable Metals by ICPMS	4	2023/06/15	2023/06/15	CAM SOP-00447	EPA 6020B m
Moisture	3	N/A	2023/06/13	CAM SOP-00445	Carter 2nd ed 51.2 m
Moisture	1	N/A	2023/06/14	CAM SOP-00445	Carter 2nd ed 51.2 m
pH CaCl2 EXTRACT	4	2023/06/15	2023/06/15	CAM SOP-00413	EPA 9045 D m
Sodium Adsorption Ratio (SAR)	2	N/A	2023/06/16	CAM SOP-00102	EPA 6010C
Sodium Adsorption Ratio (SAR)	2	N/A	2023/06/17	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, MELCCFP, EPA, APHA.

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.

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.

Your P.O. #: BRM-ENV
Your Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your C.O.C. #: 937900-01-01

Attention: Jason Slidders

exp Services Inc
Brampton Branch
1595 Clark Blvd
Brampton, ON
CANADA L6T 4V1

Report Date: 2023/06/19
Report #: R7678162
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3G9982

Received: 2023/06/12, 14:35

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

(1) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.

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

Encryption Key

AUTHORIZED REPORT
RAPPORT AUTORISÉ

Bureau Veritas
19 Jun 2023 10:36:28

Please direct all questions regarding this Certificate of Analysis to:
Patricia Legette, Project Manager
Email: Patricia.Legette@bureauveritas.com
Phone# (905)817-5799

==========

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

Bureau Veritas Job #: C3G9982
Report Date: 2023/06/19

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

O.REG 406 EXCESS SOIL MIN. BULK S/SS PKG (SOIL)

Bureau Veritas ID		WBR653	WBR654			WBR654		
Sampling Date		2023/06/09	2023/06/09			2023/06/09		
COC Number		937900-01-01	937900-01-01			937900-01-01		
	UNITS	**BH4 SS2**	**BH4 SS3**	**RDL**	**QC Batch**	**BH4 SS3 Lab-Dup**	**RDL**	**QC Batch**
Calculated Parameters								
Sodium Adsorption Ratio	N/A	33	33		8721763			
Inorganics								
Conductivity	mS/cm	1.3	1.2	0.002	8727992			
Available (CaCl2) pH	pH	7.78	7.35		8728100			
Metals								
Acid Extractable Antimony (Sb)	ug/g	0.27	0.30	0.20	8727531			
Acid Extractable Arsenic (As)	ug/g	4.8	4.1	1.0	8727531			
Acid Extractable Barium (Ba)	ug/g	21	34	0.50	8727531			
Acid Extractable Beryllium (Be)	ug/g	0.55	0.62	0.20	8727531			
Acid Extractable Boron (B)	ug/g	7.1	6.0	5.0	8727531			
Acid Extractable Cadmium (Cd)	ug/g	<0.10	<0.10	0.10	8727531			
Acid Extractable Chromium (Cr)	ug/g	14	16	1.0	8727531			
Acid Extractable Cobalt (Co)	ug/g	8.2	10	0.10	8727531			
Acid Extractable Copper (Cu)	ug/g	23	28	0.50	8727531			
Acid Extractable Lead (Pb)	ug/g	17	11	1.0	8727531			
Acid Extractable Molybdenum (Mo)	ug/g	0.82	0.52	0.50	8727531			
Acid Extractable Nickel (Ni)	ug/g	17	21	0.50	8727531			
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	0.50	8727531			
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	0.20	8727531			
Acid Extractable Thallium (Tl)	ug/g	0.083	0.087	0.050	8727531			
Acid Extractable Uranium (U)	ug/g	0.47	0.44	0.050	8727531			
Acid Extractable Vanadium (V)	ug/g	22	25	5.0	8727531			
Acid Extractable Zinc (Zn)	ug/g	55	43	5.0	8727531			
BTEX & F1 Hydrocarbons								
Benzene	ug/g	<0.020	<0.020	0.020	8724616	<0.020	0.020	8724616
Toluene	ug/g	<0.020	<0.020	0.020	8724616	<0.020	0.020	8724616
Ethylbenzene	ug/g	<0.020	<0.020	0.020	8724616	<0.020	0.020	8724616
o-Xylene	ug/g	<0.020	<0.020	0.020	8724616	<0.020	0.020	8724616
p+m-Xylene	ug/g	<0.040	<0.040	0.040	8724616	<0.040	0.040	8724616

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G9982
Report Date: 2023/06/19

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

O.REG 406 EXCESS SOIL MIN. BULK S/SS PKG (SOIL)

Bureau Veritas ID		WBR653	WBR654			WBR654		
Sampling Date		2023/06/09	2023/06/09			2023/06/09		
COC Number		937900-01-01	937900-01-01			937900-01-01		
	UNITS	**BH4 SS2**	**BH4 SS3**	**RDL**	**QC Batch**	**BH4 SS3 Lab-Dup**	**RDL**	**QC Batch**
Total Xylenes	ug/g	<0.040	<0.040	0.040	8724616	<0.040	0.040	8724616
F1 (C6-C10)	ug/g	<10	<10	10	8724616	<10	10	8724616
F1 (C6-C10) - BTEX	ug/g	<10	<10	10	8724616	<10	10	8724616
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/g	<10	<10	10	8724366			
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	50	8724366			
F4 (C34-C50 Hydrocarbons)	ug/g	83	53	50	8724366			
Reached Baseline at C50	ug/g	Yes	Yes		8724366			
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	109	110		8724616	108		8724616
4-Bromofluorobenzene	%	86	80		8724616	77		8724616
D10-o-Xylene	%	88	104		8724616	106		8724616
D4-1,2-Dichloroethane	%	96	101		8724616	100		8724616
o-Terphenyl	%	96	93		8724366			

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

O.REG 406 EXCESS SOIL MIN. BULK S/SS PKG (SOIL)

Bureau Veritas ID		WBR655	WBR656		
Sampling Date		2023/06/09	2023/06/09		
COC Number		937900-01-01	937900-01-01		
	UNITS	**BH4 SS4**	**BH4 SS5**	**RDL**	**QC Batch**
Calculated Parameters					
Sodium Adsorption Ratio	N/A	14	14		8721763
Inorganics					
Conductivity	mS/cm	0.50	0.55	0.002	8727953
Available (CaCl2) pH	pH	7.86	7.84		8728100
Metals					
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	0.20	8727531
Acid Extractable Arsenic (As)	ug/g	1.9	2.6	1.0	8727531
Acid Extractable Barium (Ba)	ug/g	11	12	0.50	8727531
Acid Extractable Beryllium (Be)	ug/g	<0.20	<0.20	0.20	8727531
Acid Extractable Boron (B)	ug/g	<5.0	<5.0	5.0	8727531
Acid Extractable Cadmium (Cd)	ug/g	<0.10	<0.10	0.10	8727531
Acid Extractable Chromium (Cr)	ug/g	4.9	7.3	1.0	8727531
Acid Extractable Cobalt (Co)	ug/g	2.9	3.8	0.10	8727531
Acid Extractable Copper (Cu)	ug/g	12	14	0.50	8727531
Acid Extractable Lead (Pb)	ug/g	3.9	4.8	1.0	8727531
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	<0.50	0.50	8727531
Acid Extractable Nickel (Ni)	ug/g	6.2	7.9	0.50	8727531
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	0.50	8727531
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	0.20	8727531
Acid Extractable Thallium (Tl)	ug/g	<0.050	<0.050	0.050	8727531
Acid Extractable Uranium (U)	ug/g	0.22	0.29	0.050	8727531
Acid Extractable Vanadium (V)	ug/g	10	19	5.0	8727531
Acid Extractable Zinc (Zn)	ug/g	15	18	5.0	8727531
BTEX & F1 Hydrocarbons					
Benzene	ug/g	<0.020	<0.020	0.020	8724616
Toluene	ug/g	<0.020	<0.020	0.020	8724616
Ethylbenzene	ug/g	<0.020	<0.020	0.020	8724616
o-Xylene	ug/g	<0.020	<0.020	0.020	8724616
p+m-Xylene	ug/g	<0.040	<0.040	0.040	8724616
Total Xylenes	ug/g	<0.040	<0.040	0.040	8724616

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

O.REG 406 EXCESS SOIL MIN. BULK S/SS PKG (SOIL)

Bureau Veritas ID		WBR655	WBR656		
Sampling Date		2023/06/09	2023/06/09		
COC Number		937900-01-01	937900-01-01		
	UNITS	**BH4 SS4**	**BH4 SS5**	**RDL**	**QC Batch**
F1 (C6-C10)	ug/g	<10	<10	10	8724616
F1 (C6-C10) - BTEX	ug/g	<10	<10	10	8724616
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/g	<10	<10	10	8724366
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	50	8724366
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	50	8724366
Reached Baseline at C50	ug/g	Yes	Yes		8724366
Surrogate Recovery (%)					
1,4-Difluorobenzene	%	110	111		8724616
4-Bromofluorobenzene	%	85	76		8724616
D10-o-Xylene	%	89	90		8724616
D4-1,2-Dichloroethane	%	99	99		8724616
o-Terphenyl	%	103	96		8724366

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C3G9982
Report Date: 2023/06/19

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		WBR653	WBR654	WBR654		WBR655		WBR656		
Sampling Date		2023/06/09	2023/06/09	2023/06/09		2023/06/09		2023/06/09		
COC Number		937900-01-01	937900-01-01	937900-01-01		937900-01-01		937900-01-01		
	UNITS	**BH4 SS2**	**BH4 SS3**	**BH4 SS3 Lab-Dup**	**QC Batch**	**BH4 SS4**	**QC Batch**	**BH4 SS5**	**RDL**	**QC Batch**
Inorganics										
Moisture	%	13	20	18	8723325	11	8724396	8.4	1.0	8723325

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G9982
Report Date: 2023/06/19

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

TEST SUMMARY

Bureau Veritas ID: WBR653
Sample ID: BH4 SS2
Matrix: Soil

Collected: 2023/06/09
Shipped:
Received: 2023/06/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8727992	2023/06/15	2023/06/16	Gurparteek KAUR
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8724616	N/A	2023/06/14	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8724366	2023/06/14	2023/06/14	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	8727531	2023/06/15	2023/06/15	Indira HarryPaul
Moisture	BAL	8723325	N/A	2023/06/13	Joe Thomas
pH CaCl2 EXTRACT	AT	8728100	2023/06/15	2023/06/15	Taslima Aktar
Sodium Adsorption Ratio (SAR)	CALC/MET	8721763	N/A	2023/06/17	Automated Statchk

Bureau Veritas ID: WBR654
Sample ID: BH4 SS3
Matrix: Soil

Collected: 2023/06/09
Shipped:
Received: 2023/06/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8727992	2023/06/15	2023/06/16	Gurparteek KAUR
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8724616	N/A	2023/06/14	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8724366	2023/06/14	2023/06/14	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	8727531	2023/06/15	2023/06/15	Indira HarryPaul
Moisture	BAL	8723325	N/A	2023/06/13	Joe Thomas
pH CaCl2 EXTRACT	AT	8728100	2023/06/15	2023/06/15	Taslima Aktar
Sodium Adsorption Ratio (SAR)	CALC/MET	8721763	N/A	2023/06/17	Automated Statchk

Bureau Veritas ID: WBR654 Dup
Sample ID: BH4 SS3
Matrix: Soil

Collected: 2023/06/09
Shipped:
Received: 2023/06/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8724616	N/A	2023/06/14	Abdikarim Ali
Moisture	BAL	8723325	N/A	2023/06/13	Joe Thomas

Bureau Veritas ID: WBR655
Sample ID: BH4 SS4
Matrix: Soil

Collected: 2023/06/09
Shipped:
Received: 2023/06/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8727953	2023/06/15	2023/06/15	Gurparteek KAUR
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8724616	N/A	2023/06/14	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8724366	2023/06/14	2023/06/14	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	8727531	2023/06/15	2023/06/15	Indira HarryPaul
Moisture	BAL	8724396	N/A	2023/06/14	Simrat Bhathal
pH CaCl2 EXTRACT	AT	8728100	2023/06/15	2023/06/15	Taslima Aktar
Sodium Adsorption Ratio (SAR)	CALC/MET	8721763	N/A	2023/06/16	Automated Statchk

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G9982
Report Date: 2023/06/19

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

TEST SUMMARY

Bureau Veritas ID: WBR656
Sample ID: BH4 SS5
Matrix: Soil

Collected: 2023/06/09
Shipped:
Received: 2023/06/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8727953	2023/06/15	2023/06/15	Gurparteek KAUR
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8724616	N/A	2023/06/14	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8724366	2023/06/14	2023/06/14	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	8727531	2023/06/15	2023/06/15	Indira HarryPaul
Moisture	BAL	8723325	N/A	2023/06/13	Joe Thomas
pH CaCl2 EXTRACT	AT	8728100	2023/06/15	2023/06/15	Taslima Aktar
Sodium Adsorption Ratio (SAR)	CALC/MET	8721763	N/A	2023/06/16	Automated Statchk

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

GENERAL COMMENTS

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

Package 1	5.3°C

Sample WBR653 [BH4 SS2] : 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.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G9982
Report Date: 2023/06/19

QUALITY ASSURANCE REPORT

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8724366	o-Terphenyl	2023/06/14	95	60 - 130	84	60 - 130	99	%		
8724616	1,4-Difluorobenzene	2023/06/14	101	60 - 140	101	60 - 140	105	%		
8724616	4-Bromofluorobenzene	2023/06/14	106	60 - 140	106	60 - 140	91	%		
8724616	D10-o-Xylene	2023/06/14	100	60 - 140	90	60 - 140	93	%		
8724616	D4-1,2-Dichloroethane	2023/06/14	98	60 - 140	94	60 - 140	103	%		
8723325	Moisture	2023/06/13							7.9	20
8724366	F2 (C10-C16 Hydrocarbons)	2023/06/14	101	60 - 130	87	80 - 120	<10	ug/g	NC	30
8724366	F3 (C16-C34 Hydrocarbons)	2023/06/14	107	60 - 130	92	80 - 120	<50	ug/g	16	30
8724366	F4 (C34-C50 Hydrocarbons)	2023/06/14	108	60 - 130	94	80 - 120	<50	ug/g	NC	30
8724396	Moisture	2023/06/14							3.1	20
8724616	Benzene	2023/06/14	98	50 - 140	84	50 - 140	<0.020	ug/g	NC	50
8724616	Ethylbenzene	2023/06/14	109	50 - 140	99	50 - 140	<0.020	ug/g	NC	50
8724616	F1 (C6-C10) - BTEX	2023/06/14					<10	ug/g	NC	30
8724616	F1 (C6-C10)	2023/06/14	107	60 - 140	93	80 - 120	<10	ug/g	NC	30
8724616	o-Xylene	2023/06/14	106	50 - 140	92	50 - 140	<0.020	ug/g	NC	50
8724616	p+m-Xylene	2023/06/14	107	50 - 140	93	50 - 140	<0.040	ug/g	NC	50
8724616	Toluene	2023/06/14	97	50 - 140	86	50 - 140	<0.020	ug/g	NC	50
8724616	Total Xylenes	2023/06/14					<0.040	ug/g	NC	50
8727531	Acid Extractable Antimony (Sb)	2023/06/15	90	75 - 125	98	80 - 120	<0.20	ug/g	NC	30
8727531	Acid Extractable Arsenic (As)	2023/06/15	93	75 - 125	98	80 - 120	<1.0	ug/g	7.0	30
8727531	Acid Extractable Barium (Ba)	2023/06/15	98	75 - 125	96	80 - 120	<0.50	ug/g	11	30
8727531	Acid Extractable Beryllium (Be)	2023/06/15	94	75 - 125	96	80 - 120	<0.20	ug/g	NC	30
8727531	Acid Extractable Boron (B)	2023/06/15	89	75 - 125	98	80 - 120	<5.0	ug/g	NC	30
8727531	Acid Extractable Cadmium (Cd)	2023/06/15	92	75 - 125	98	80 - 120	<0.10	ug/g	8.2	30
8727531	Acid Extractable Chromium (Cr)	2023/06/15	94	75 - 125	97	80 - 120	<1.0	ug/g	12	30
8727531	Acid Extractable Cobalt (Co)	2023/06/15	92	75 - 125	96	80 - 120	<0.10	ug/g	3.1	30
8727531	Acid Extractable Copper (Cu)	2023/06/15	NC	75 - 125	97	80 - 120	<0.50	ug/g	4.3	30
8727531	Acid Extractable Lead (Pb)	2023/06/15	95	75 - 125	101	80 - 120	<1.0	ug/g	0.94	30
8727531	Acid Extractable Molybdenum (Mo)	2023/06/15	93	75 - 125	98	80 - 120	<0.50	ug/g	NC	30
8727531	Acid Extractable Nickel (Ni)	2023/06/15	94	75 - 125	98	80 - 120	<0.50	ug/g	2.8	30

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8727531	Acid Extractable Selenium (Se)	2023/06/15	95	75 - 125	100	80 - 120	<0.50	ug/g	NC	30
8727531	Acid Extractable Silver (Ag)	2023/06/15	93	75 - 125	97	80 - 120	<0.20	ug/g	NC	30
8727531	Acid Extractable Thallium (Tl)	2023/06/15	96	75 - 125	101	80 - 120	<0.050	ug/g	NC	30
8727531	Acid Extractable Uranium (U)	2023/06/15	96	75 - 125	101	80 - 120	<0.050	ug/g	0.045	30
8727531	Acid Extractable Vanadium (V)	2023/06/15	94	75 - 125	95	80 - 120	<5.0	ug/g	5.1	30
8727531	Acid Extractable Zinc (Zn)	2023/06/15	NC	75 - 125	99	80 - 120	<5.0	ug/g	0.33	30
8727953	Conductivity	2023/06/15			103	90 - 110	<0.002	mS/cm	3.1	10
8727992	Conductivity	2023/06/16			102	90 - 110	<0.002	mS/cm	1.4	10
8728100	Available (CaCl2) pH	2023/06/15			100	97 - 103			0.025	N/A

N/A = Not Applicable

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

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

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

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

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

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

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

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

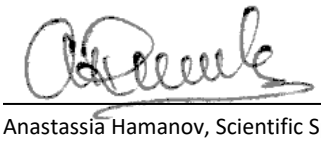
Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G9982
Report Date: 2023/06/19

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, 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 {0}, {1} responsible for {2} {3} laboratory operations.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

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

CHAIN

Page 1 of 1

12-Jun-23 14:35
Patricia Legette
C3G9982
AN4 ENV-1680
C#937900-01-01

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name:	#17492 exp Services Inc	Company Name:	exp Services Inc.	Quotation #:	~~C20328~~ Stream 3
Attention:	Accounts Payable	Attention:	Jason Slidders ; Nolan McGahey	P.O. #:	BRM-ENV
Address:	1266 South Service Rd Suite C1-1 Stoney Creek ON L8E 5R9	Address:		Project:	GTR-230029995-A0
Tel:	(905) 573-4000 Fax:	Tel:	905-525-6069 Fax:	Project Name:	~~Primrose Rd~~ Plains Rd. East
Email:	AP@exp.com; Karen.Burke@exp.com	Email:	Jason.Slidders@exp.com; nolan.mcgahey@exp.com	Site #:	
				Sampled By:	[redacted] MT

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 3.1
- ☐ Other ___

Special Instructions

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

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 #)*

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	Excess Soils Metals, pH	Excess Soils PHCs F1-F4	Excess Soils BTEX	Excess Soils EC/SAR	# of Bottles	Comments
1		BH4 SS2	June 9/23	PM	S		X	X	X	X	4	
2		BH4 SS3					X	X	X	X	4	
3		BH4 SS4					X	X	X	X	4	
4		BH4 SS5					X	X	X	X	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
Nicole M'Quad	23/06/12	7:30	RAJ MAJANI	2023/06/12	1435	

Laboratory Use Only
Time Sensitive | Temperature (°C) on Recei: 4/7/5 | Custody Seal Present ☑ Intact | Yes ☑ | No

ERWISE 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 ENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/COC-TERMS-AND-CONDITIONS.
SIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.
ER, 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

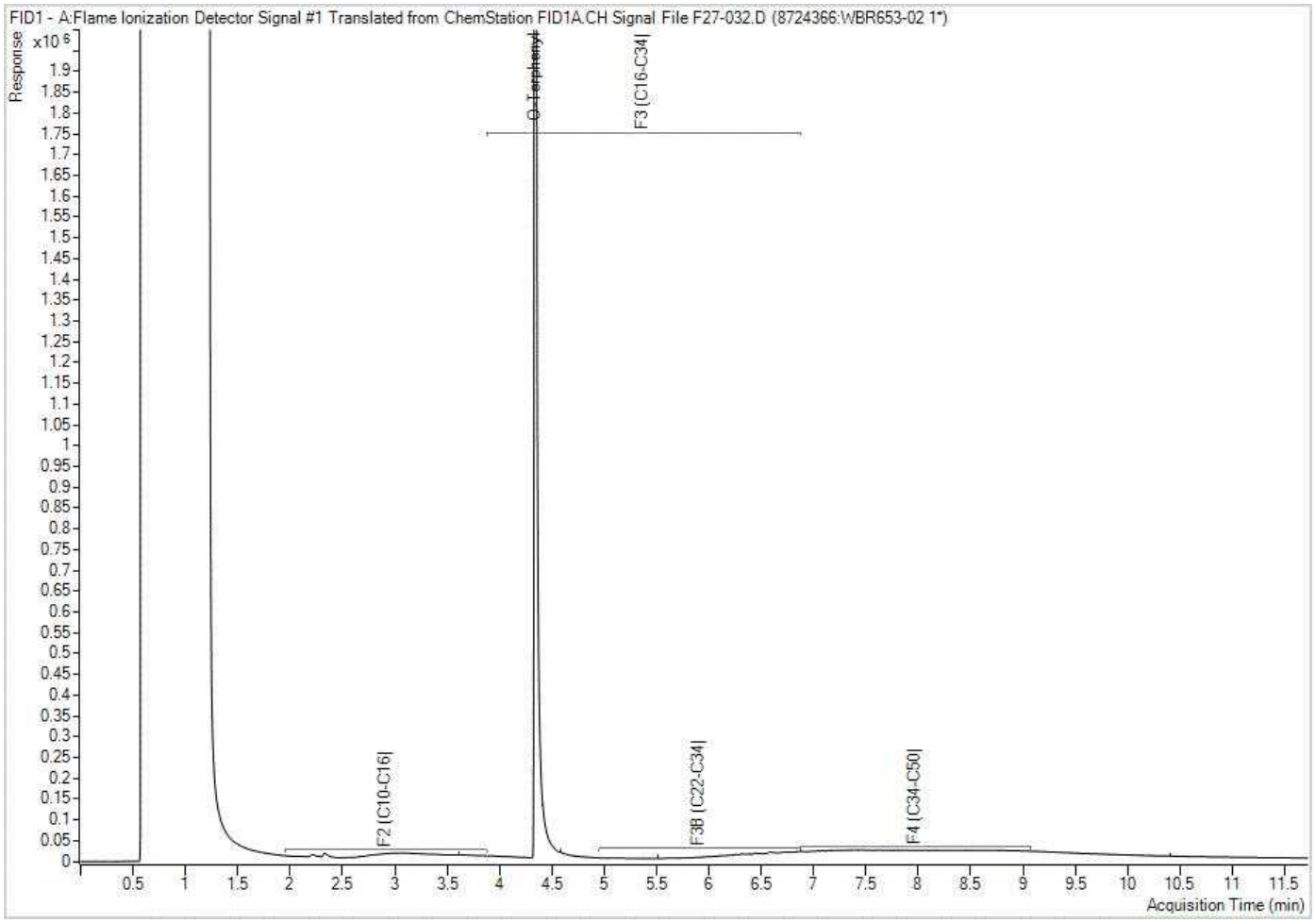
White: Bureau Veritas Yellow: Client

BV

Bureau Veritas Job #: C3G9982
Report Date: 2023/06/19
Bureau Veritas Sample: WBR653

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH4 SS2

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

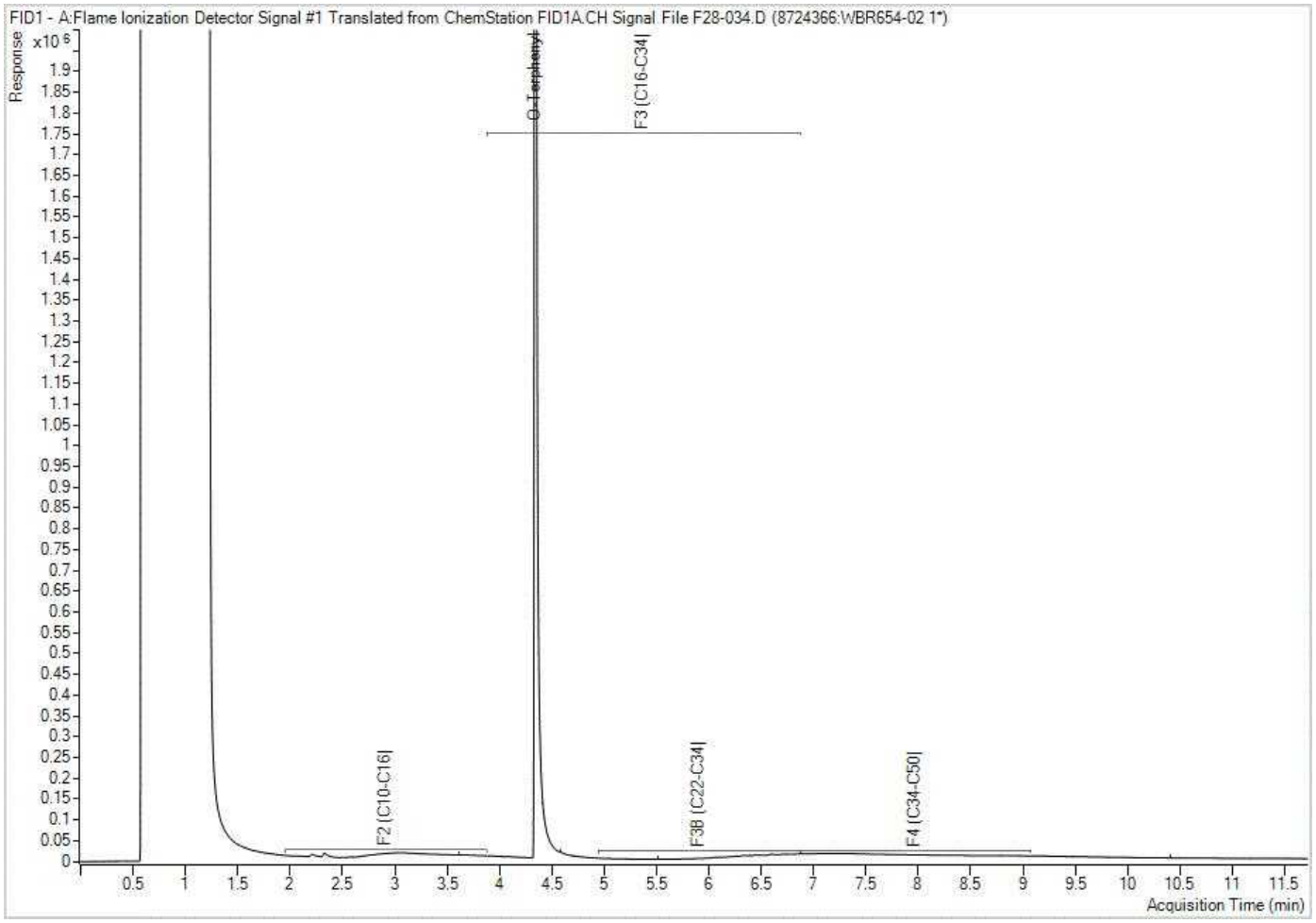


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G9982
Report Date: 2023/06/19
Bureau Veritas Sample: WBR654

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH4 SS3

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

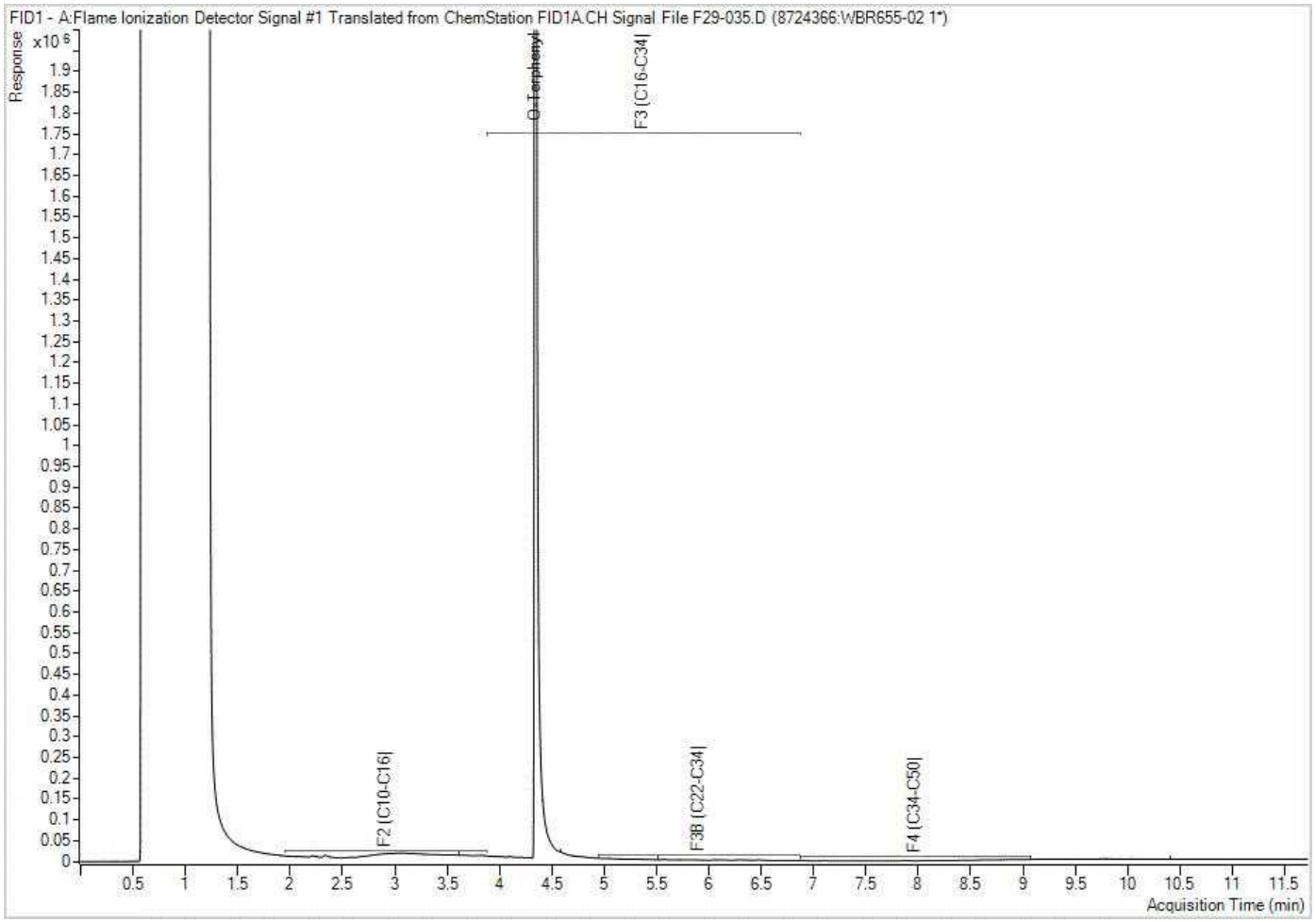


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G9982
Report Date: 2023/06/19
Bureau Veritas Sample: WBR655

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH4 SS4

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

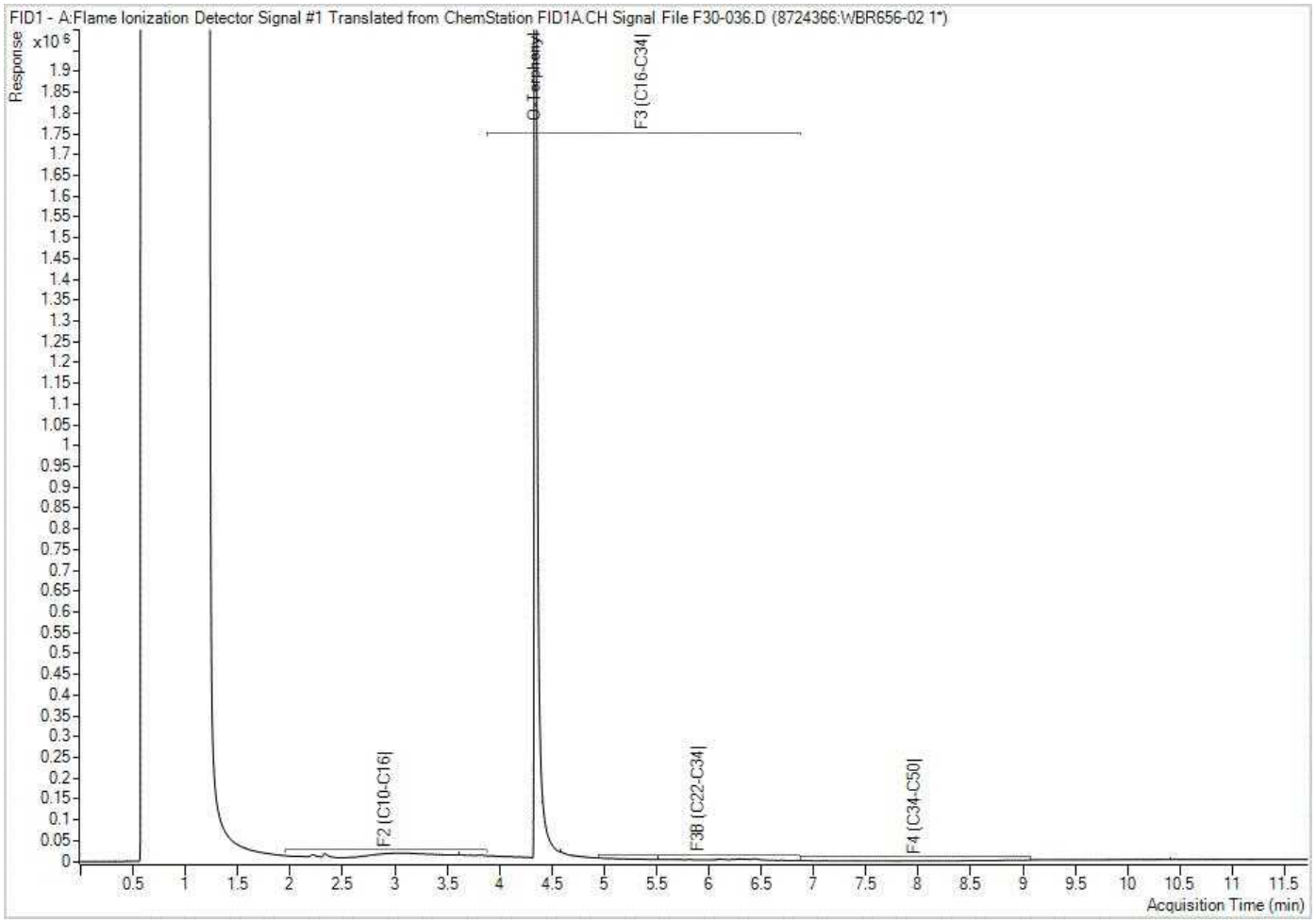


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3G9982
Report Date: 2023/06/19
Bureau Veritas Sample: WBR656

exp Services Inc
Client Project #: GTR-23002995-A0
Project name: PLAINS RD., EAST
Client ID: BH4 SS5

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.

Your P.O. #: BRM-ENV
Your Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your C.O.C. #: N/A

Attention: Jason Slidders

exp Services Inc
Stoney Creek Branch
1266 South Service Rd
Suite C1-1
Stoney Creek, ON
CANADA L8E 5R9

Report Date: 2023/06/12
Report #: R7668516
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3G2446
Received: 2023/06/06, 15:05

Sample Matrix: Soil
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Metals in SPLP Leachate by ICPMS	2	2023/06/09	2023/06/12	CAM SOP-00447	EPA 6020B m
Modified SPLP extraction - Weight	2	N/A	2023/06/09	CAM SOP-00941	OMOECP LaSB E9003 R3

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, MELCCFP, EPA, APHA.

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.

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.

Your P.O. #: BRM-ENV
Your Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your C.O.C. #: N/A

Attention: Jason Slidders

exp Services Inc
Stoney Creek Branch
1266 South Service Rd
Suite C1-1
Stoney Creek, ON
CANADA L8E 5R9

Report Date: 2023/06/12
Report #: R7668516
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3G2446
Received: 2023/06/06, 15:05

Encryption Key

AUTHORIZED REPORT
RAPPORT AUTORISÉ

Bureau Veritas
12 Jun 2023 15:06:31

Please direct all questions regarding this Certificate of Analysis to:
Patricia Legette, Project Manager
Email: Patricia.Legette@bureauveritas.com
Phone# (905)817-5799

==========

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G2446
Report Date: 2023/06/12

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		WAD357	WAD358	
Sampling Date		2023/06/05	2023/06/05	
COC Number		N/A	N/A	
	UNITS	**SPLP1**	**SPLP2**	**QC Batch**
Inorganics				
Dry Weight	g	100	100	8712722
QC Batch = Quality Control Batch				

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G2446
Report Date: 2023/06/12

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		WAD357	WAD358		
Sampling Date		2023/06/05	2023/06/05		
COC Number		N/A	N/A		
	UNITS	**SPLP1**	**SPLP2**	**RDL**	**QC Batch**
Metals					
Leachable (SPLP) Antimony (Sb)	ug/L	<0.5	<0.5	0.5	8715640
Leachable (SPLP) Arsenic (As)	ug/L	2	5	1	8715640
Leachable (SPLP) Barium (Ba)	ug/L	<5	<5	5	8715640
Leachable (SPLP) Beryllium (Be)	ug/L	<0.5	<0.5	0.5	8715640
Leachable (SPLP) Boron (B)	ug/L	<10	<10	10	8715640
Leachable (SPLP) Cadmium (Cd)	ug/L	<0.1	<0.1	0.1	8715640
Leachable (SPLP) Chromium (Cr)	ug/L	<5	<5	5	8715640
Leachable (SPLP) Cobalt (Co)	ug/L	0.7	<0.5	0.5	8715640
Leachable (SPLP) Copper (Cu)	ug/L	6	3	1	8715640
Leachable (SPLP) Lead (Pb)	ug/L	0.8	0.7	0.5	8715640
Leachable (SPLP) Molybdenum (Mo)	ug/L	<1	<1	1	8715640
Leachable (SPLP) Nickel (Ni)	ug/L	2	<1	1	8715640
Leachable (SPLP) Selenium (Se)	ug/L	<2	<2	2	8715640
Leachable (SPLP) Silver (Ag)	ug/L	<0.1	<0.1	0.1	8715640
Leachable (SPLP) Thallium (Tl)	ug/L	<0.05	<0.05	0.05	8715640
Leachable (SPLP) Uranium (U)	ug/L	<0.1	<0.1	0.1	8715640
Leachable (SPLP) Vanadium (V)	ug/L	4	4	1	8715640
Leachable (SPLP) Zinc (Zn)	ug/L	5	<5	5	8715640

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G2446
Report Date: 2023/06/12

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

TEST SUMMARY

Bureau Veritas ID: WAD357
Sample ID: SPLP1
Matrix: Soil

Collected: 2023/06/05
Shipped:
Received: 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Metals in SPLP Leachate by ICPMS	ICP/MS	8715640	2023/06/09	2023/06/12	Arefa Dabhad
Modified SPLP extraction - Weight		8712722	N/A	2023/06/09	Jian (Ken) Wang

Bureau Veritas ID: WAD358
Sample ID: SPLP2
Matrix: Soil

Collected: 2023/06/05
Shipped:
Received: 2023/06/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Metals in SPLP Leachate by ICPMS	ICP/MS	8715640	2023/06/09	2023/06/12	Arefa Dabhad
Modified SPLP extraction - Weight		8712722	N/A	2023/06/09	Jian (Ken) Wang

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

GENERAL COMMENTS

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

Package 1	1.7°C

Results relate only to the items tested.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G2446
Report Date: 2023/06/12

QUALITY ASSURANCE REPORT

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		Leachate Blank	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	Value	UNITS
8715640	Leachable (SPLP) Antimony (Sb)	2023/06/12	103	80 - 120	104	80 - 120	<0.5	ug/L	3.0	35	<0.5	ug/L
8715640	Leachable (SPLP) Arsenic (As)	2023/06/12	100	80 - 120	99	80 - 120	<1	ug/L	NC	35	<1	ug/L
8715640	Leachable (SPLP) Barium (Ba)	2023/06/12	99	80 - 120	101	80 - 120	<5	ug/L	0.39	35	<5	ug/L
8715640	Leachable (SPLP) Beryllium (Be)	2023/06/12	106	80 - 120	107	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
8715640	Leachable (SPLP) Boron (B)	2023/06/12	98	80 - 120	98	80 - 120	<10	ug/L	NC	35	<10	ug/L
8715640	Leachable (SPLP) Cadmium (Cd)	2023/06/12	98	80 - 120	99	80 - 120	<0.1	ug/L	NC	35	<0.1	ug/L
8715640	Leachable (SPLP) Chromium (Cr)	2023/06/12	96	80 - 120	102	80 - 120	<5	ug/L	NC	35	<5	ug/L
8715640	Leachable (SPLP) Cobalt (Co)	2023/06/12	97	80 - 120	100	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
8715640	Leachable (SPLP) Copper (Cu)	2023/06/12	101	80 - 120	105	80 - 120	<1	ug/L	NC	35	<1	ug/L
8715640	Leachable (SPLP) Lead (Pb)	2023/06/12	95	80 - 120	97	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
8715640	Leachable (SPLP) Molybdenum (Mo)	2023/06/12	103	80 - 120	104	80 - 120	<1	ug/L	1.1	35	<1	ug/L
8715640	Leachable (SPLP) Nickel (Ni)	2023/06/12	96	80 - 120	97	80 - 120	<1	ug/L	NC	35	<1	ug/L
8715640	Leachable (SPLP) Selenium (Se)	2023/06/12	104	80 - 120	105	80 - 120	<2	ug/L	NC	35	<2	ug/L
8715640	Leachable (SPLP) Silver (Ag)	2023/06/12	96	80 - 120	98	80 - 120	<0.1	ug/L	NC	35	<0.1	ug/L
8715640	Leachable (SPLP) Thallium (Tl)	2023/06/12	99	80 - 120	98	80 - 120	<0.05	ug/L	NC	35	<0.05	ug/L
8715640	Leachable (SPLP) Uranium (U)	2023/06/12	97	80 - 120	96	80 - 120	<0.1	ug/L	1.0	35	<0.1	ug/L
8715640	Leachable (SPLP) Vanadium (V)	2023/06/12	99	80 - 120	97	80 - 120	<1	ug/L	NC	35	<1	ug/L
8715640	Leachable (SPLP) Zinc (Zn)	2023/06/12	101	80 - 120	101	80 - 120	<5	ug/L	NC	35	<5	ug/L

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.

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

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

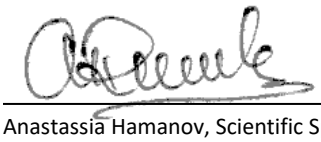
Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G2446
Report Date: 2023/06/12

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST, ON
Your P.O. #: BRM-ENV
Sampler Initials: NM

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, 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 {0}, {1} responsible for {2} {3} laboratory operations.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Your P.O. #: BRM-ENV
Your Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST
Your C.O.C. #: 935334-15-01

Attention: Jason Slidders

exp Services Inc
Brampton Branch
1595 Clark Blvd
Brampton, ON
CANADA L6T 4V1

Report Date: 2023/06/14
Report #: R7672209
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3G6621
Received: 2023/06/08, 17:30

Sample Matrix: Soil
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Metals in SPLP Leachate by ICPMS	4	2023/06/13	2023/06/13	CAM SOP-00447	EPA 6020B m
Total Metals in SPLP Leachate by ICPMS	1	2023/06/13	2023/06/14	CAM SOP-00447	EPA 6020B m
Modified SPLP extraction - Weight	5	N/A	2023/06/13	CAM SOP-00941	OMOECP LaSB E9003 R3

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, MELCCFP, EPA, APHA.

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.

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.

Your P.O. #: BRM-ENV
Your Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST
Your C.O.C. #: 935334-15-01

Attention: Jason Slidders

exp Services Inc
Brampton Branch
1595 Clark Blvd
Brampton, ON
CANADA L6T 4V1

Report Date: 2023/06/14
Report #: R7672209
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3G6621
Received: 2023/06/08, 17:30

Encryption Key

AUTHORIZED REPORT
RAPPORT AUTORISÉ

Bureau Veritas
14 Jun 2023 17:26:01

Please direct all questions regarding this Certificate of Analysis to:
Patricia Legette, Project Manager
Email: Patricia.Legette@bureauveritas.com
Phone# (905)817-5799

==========

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

Bureau Veritas Job #: C3G6621
Report Date: 2023/06/14

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

O.REG 406 EXCESS SOIL SPLP METALS (SOIL)

Bureau Veritas ID		WAZ167	WAZ168	WAZ169	WAZ170	WAZ171		
Sampling Date		2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07		
COC Number		935334-15-01	935334-15-01	935334-15-01	935334-15-01	935334-15-01		
	UNITS	**SPLP 3**	**SPLP 4**	**SPLP 5**	**SPLP 6**	**SPLP 7**	**RDL**	**QC Batch**
Metals								
Leachable (SPLP) Antimony (Sb)	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	8722714
Leachable (SPLP) Arsenic (As)	ug/L	<1	<1	<1	<1	1	1	8722714
Leachable (SPLP) Barium (Ba)	ug/L	<5	<5	<5	<5	<5	5	8722714
Leachable (SPLP) Beryllium (Be)	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	8722714
Leachable (SPLP) Boron (B)	ug/L	<10	<10	<10	<10	<10	10	8722714
Leachable (SPLP) Cadmium (Cd)	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	8722714
Leachable (SPLP) Chromium (Cr)	ug/L	<5	<5	<5	<5	<5	5	8722714
Leachable (SPLP) Cobalt (Co)	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	8722714
Leachable (SPLP) Copper (Cu)	ug/L	1	4	<1	2	2	1	8722714
Leachable (SPLP) Lead (Pb)	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	8722714
Leachable (SPLP) Molybdenum (Mo)	ug/L	1	6	<1	3	1	1	8722714
Leachable (SPLP) Nickel (Ni)	ug/L	<1	<1	<1	<1	<1	1	8722714
Leachable (SPLP) Selenium (Se)	ug/L	<2	<2	<2	<2	<2	2	8722714
Leachable (SPLP) Silver (Ag)	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	8722714
Leachable (SPLP) Thallium (Tl)	ug/L	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	8722714
Leachable (SPLP) Uranium (U)	ug/L	<0.1	<0.1	<0.1	<0.1	0.2	0.1	8722714
Leachable (SPLP) Vanadium (V)	ug/L	<1	2	<1	<1	2	1	8722714
Leachable (SPLP) Zinc (Zn)	ug/L	<5	<5	<5	<5	<5	5	8722714

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6621
Report Date: 2023/06/14

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

O.REG 406 EXCESS SOIL MSPLP PREP (SOIL)

Bureau Veritas ID		WAZ167	WAZ168	WAZ169	WAZ170	WAZ171	
Sampling Date		2023/06/07	2023/06/07	2023/06/07	2023/06/07	2023/06/07	
COC Number		935334-15-01	935334-15-01	935334-15-01	935334-15-01	935334-15-01	
	UNITS	**SPLP 3**	**SPLP 4**	**SPLP 5**	**SPLP 6**	**SPLP 7**	**QC Batch**
Inorganics							
Dry Weight	g	100	100	100	100	100	8719763
QC Batch = Quality Control Batch							

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6621
Report Date: 2023/06/14

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

TEST SUMMARY

Bureau Veritas ID: WAZ167 **Collected:** 2023/06/07
Sample ID: SPLP 3 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Metals in SPLP Leachate by ICPMS	ICP/MS	8722714	2023/06/13	2023/06/14	Nan Raykha
Modified SPLP extraction - Weight		8719763	N/A	2023/06/13	Dave Adriel Gunawan

Bureau Veritas ID: WAZ168 **Collected:** 2023/06/07
Sample ID: SPLP 4 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Metals in SPLP Leachate by ICPMS	ICP/MS	8722714	2023/06/13	2023/06/13	Nan Raykha
Modified SPLP extraction - Weight		8719763	N/A	2023/06/13	Dave Adriel Gunawan

Bureau Veritas ID: WAZ169 **Collected:** 2023/06/07
Sample ID: SPLP 5 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Metals in SPLP Leachate by ICPMS	ICP/MS	8722714	2023/06/13	2023/06/13	Nan Raykha
Modified SPLP extraction - Weight		8719763	N/A	2023/06/13	Dave Adriel Gunawan

Bureau Veritas ID: WAZ170 **Collected:** 2023/06/07
Sample ID: SPLP 6 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Metals in SPLP Leachate by ICPMS	ICP/MS	8722714	2023/06/13	2023/06/13	Nan Raykha
Modified SPLP extraction - Weight		8719763	N/A	2023/06/13	Dave Adriel Gunawan

Bureau Veritas ID: WAZ171 **Collected:** 2023/06/07
Sample ID: SPLP 7 **Shipped:**
Matrix: Soil **Received:** 2023/06/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Metals in SPLP Leachate by ICPMS	ICP/MS	8722714	2023/06/13	2023/06/13	Nan Raykha
Modified SPLP extraction - Weight		8719763	N/A	2023/06/13	Dave Adriel Gunawan

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

GENERAL COMMENTS

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

Package 1	-0.3°C
Package 2	0.7°C

Results relate only to the items tested.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6621
Report Date: 2023/06/14

QUALITY ASSURANCE REPORT

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		Leachate Blank	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	Value	UNITS
8722714	Leachable (SPLP) Antimony (Sb)	2023/06/13	100	80 - 120	97	80 - 120	<0.5	ug/L	1.4	35	<0.5	ug/L
8722714	Leachable (SPLP) Arsenic (As)	2023/06/13	103	80 - 120	100	80 - 120	<1	ug/L	1.2	35	<1	ug/L
8722714	Leachable (SPLP) Barium (Ba)	2023/06/13	98	80 - 120	96	80 - 120	<5	ug/L	4.5	35	<5	ug/L
8722714	Leachable (SPLP) Beryllium (Be)	2023/06/13	101	80 - 120	93	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
8722714	Leachable (SPLP) Boron (B)	2023/06/13	97	80 - 120	88	80 - 120	<10	ug/L	0.21	35	<10	ug/L
8722714	Leachable (SPLP) Cadmium (Cd)	2023/06/13	97	80 - 120	94	80 - 120	<0.1	ug/L	NC	35	<0.1	ug/L
8722714	Leachable (SPLP) Chromium (Cr)	2023/06/13	101	80 - 120	97	80 - 120	<5	ug/L	NC	35	<5	ug/L
8722714	Leachable (SPLP) Cobalt (Co)	2023/06/13	100	80 - 120	96	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
8722714	Leachable (SPLP) Copper (Cu)	2023/06/13	97	80 - 120	95	80 - 120	<1	ug/L	4.3	35	<1	ug/L
8722714	Leachable (SPLP) Lead (Pb)	2023/06/13	100	80 - 120	95	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
8722714	Leachable (SPLP) Molybdenum (Mo)	2023/06/13	106	80 - 120	101	80 - 120	<1	ug/L	0.82	35	<1	ug/L
8722714	Leachable (SPLP) Nickel (Ni)	2023/06/13	99	80 - 120	99	80 - 120	<1	ug/L	16	35	<1	ug/L
8722714	Leachable (SPLP) Selenium (Se)	2023/06/13	102	80 - 120	103	80 - 120	<2	ug/L	NC	35	<2	ug/L
8722714	Leachable (SPLP) Silver (Ag)	2023/06/13	96	80 - 120	94	80 - 120	<0.1	ug/L	NC	35	<0.1	ug/L
8722714	Leachable (SPLP) Thallium (Tl)	2023/06/13	99	80 - 120	96	80 - 120	<0.05	ug/L	NC	35	<0.05	ug/L
8722714	Leachable (SPLP) Uranium (U)	2023/06/13	99	80 - 120	97	80 - 120	<0.1	ug/L	0.16	35	<0.1	ug/L
8722714	Leachable (SPLP) Vanadium (V)	2023/06/13	102	80 - 120	99	80 - 120	<1	ug/L	1.6	35	<1	ug/L
8722714	Leachable (SPLP) Zinc (Zn)	2023/06/13	104	80 - 120	102	80 - 120	<5	ug/L	NC	35	<5	ug/L

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.

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G6621
Report Date: 2023/06/14

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS ROAD EAST
Your P.O. #: BRM-ENV
Sampler Initials: MH

VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by {0}, {1} responsible for {2} {3} laboratory operations.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

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

CH

08-Jun-23 17:30
Patricia Legette
C3G6621
SPJ ENV-605

C#935334-15-01

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name:	#17492 exp Services Inc	Company Name:		Quotation #:	~~C20328~~ Stream 3
Attention:	Accounts Payable	Attention:	~~Jennifer Hayman~~ Jason Sticklers / Nolan McGahey	P.O. #:	BRM- ENV
Address:	1266 South Service Rd Suite C1-1 Stoney Creek ON L8E 5R9	Address:		Project:	GTR-231002995-A0
Tel:	(905) 573-4000 Fax:	Tel:	(905) 525-6069 Fax: nolan.mcgahey@exp.com	Project Name:	
Email:	AP@exp.com; Karen.Burke@exp.com	Email:	~~Jennifer.Hayman@exp.com~~ Jason.Sticklers@exp.com	Site #:	Plains Road East
				Sampled By:	MH

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

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
☐ Table 1 ☐ Res/Park ☐ Medium/Fine	☐ CCME ☐ Sanitary Sewer Bylaw	
☐ Table 2 ☐ Ind/Comm ☐ Coarse	☐ Reg 558 ☐ Storm Sewer Bylaw	
☐ Table 3 ☐ Agri/Other ☐ For RSC	☐ MISA Municipality	
☐ Table ___	☐ PWQO ☒ Reg 406 Table 3.1 LSL	
	☐ Other	

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

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 #)*

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	ANALYSIS REQUESTED (PLEASE BE SPECIFIC): SPLP Metals	# of Bottles	Comments
1		SPLP 3	June 7/23	PM	S		X	1	
2		SPLP 4	↓	↓	↓		X	1	
3		SPLP 5					X	1	
4		SPLP 6					X	1	
5		SPLP 7					X	1	
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
M. Khuhanuk / Martin Khuhanuk	23/6/8	10:00am	Adam Acorn	2023/06/01	17:30		Time Sensitive; Temperature (°C) on Recei 1/0/-2, 1/0/1; 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

On Ice

Bureau Veritas Canada (2019) Inc.

Your P.O. #: BRM-ENV
Your Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your C.O.C. #: 937900-02-01

Attention: Jason Slidders

exp Services Inc
Brampton Branch
1595 Clark Blvd
Brampton, ON
CANADA L6T 4V1

Report Date: 2023/06/19
Report #: R7678243
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3G9976
Received: 2023/06/12, 14:35

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Metals in SPLP Leachate by ICPMS	1	2023/06/16	2023/06/16	CAM SOP-00447	EPA 6020B m
Modified SPLP extraction - Weight	1	N/A	2023/06/16	CAM SOP-00941	OMOECP LaSB E9003 R3

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, MELCCFP, EPA, APHA.

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.

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.

Your P.O. #: BRM-ENV
Your Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your C.O.C. #: 937900-02-01

Attention: Jason Slidders

exp Services Inc
Brampton Branch
1595 Clark Blvd
Brampton, ON
CANADA L6T 4V1

Report Date: 2023/06/19
Report #: R7678243
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3G9976
Received: 2023/06/12, 14:35

Encryption Key

AUTHORIZED REPORT
RAPPORT AUTORISÉ

Bureau Veritas
19 Jun 2023 11:20:32

Please direct all questions regarding this Certificate of Analysis to:
Patricia Legette, Project Manager
Email: Patricia.Legette@bureauveritas.com
Phone# (905)817-5799

==========

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G9976
Report Date: 2023/06/19

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

O.REG 406 EXCESS SOIL SPLP METALS (SOIL)

Bureau Veritas ID		WBR624		
Sampling Date		2023/06/09		
COC Number		937900-02-01		
	UNITS	**SPLP8**	**RDL**	**QC Batch**
Metals				
Leachable (SPLP) Antimony (Sb)	ug/L	<0.5	0.5	8731492
Leachable (SPLP) Arsenic (As)	ug/L	<1	1	8731492
Leachable (SPLP) Barium (Ba)	ug/L	<5	5	8731492
Leachable (SPLP) Beryllium (Be)	ug/L	<0.5	0.5	8731492
Leachable (SPLP) Boron (B)	ug/L	<10	10	8731492
Leachable (SPLP) Cadmium (Cd)	ug/L	<0.1	0.1	8731492
Leachable (SPLP) Chromium (Cr)	ug/L	<5	5	8731492
Leachable (SPLP) Cobalt (Co)	ug/L	<0.5	0.5	8731492
Leachable (SPLP) Copper (Cu)	ug/L	<1	1	8731492
Leachable (SPLP) Lead (Pb)	ug/L	<0.5	0.5	8731492
Leachable (SPLP) Molybdenum (Mo)	ug/L	<1	1	8731492
Leachable (SPLP) Nickel (Ni)	ug/L	<1	1	8731492
Leachable (SPLP) Selenium (Se)	ug/L	<2	2	8731492
Leachable (SPLP) Silver (Ag)	ug/L	<0.1	0.1	8731492
Leachable (SPLP) Thallium (Tl)	ug/L	<0.05	0.05	8731492
Leachable (SPLP) Uranium (U)	ug/L	<0.1	0.1	8731492
Leachable (SPLP) Vanadium (V)	ug/L	<1	1	8731492
Leachable (SPLP) Zinc (Zn)	ug/L	<5	5	8731492

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G9976
Report Date: 2023/06/19

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

O.REG 406 EXCESS SOIL MSPLP PREP (SOIL)

Bureau Veritas ID		WBR624	
Sampling Date		2023/06/09	
COC Number		937900-02-01	
	UNITS	**SPLP8**	**QC Batch**
Inorganics			
Dry Weight	g	100	8728496
QC Batch = Quality Control Batch			

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G9976
Report Date: 2023/06/19

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

TEST SUMMARY

Bureau Veritas ID: WBR624
Sample ID: SPLP8
Matrix: Soil

Collected: 2023/06/09
Shipped:
Received: 2023/06/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Metals in SPLP Leachate by ICPMS	ICP/MS	8731492	2023/06/16	2023/06/16	Nan Raykha
Modified SPLP extraction - Weight		8728496	N/A	2023/06/16	Jian (Ken) Wang

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

GENERAL COMMENTS

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

Package 1	5.3°C

Results relate only to the items tested.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G9976
Report Date: 2023/06/19

QUALITY ASSURANCE REPORT

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		Leachate Blank	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	Value	UNITS
8731492	Leachable (SPLP) Antimony (Sb)	2023/06/16	110	80 - 120	110	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
8731492	Leachable (SPLP) Arsenic (As)	2023/06/16	101	80 - 120	101	80 - 120	<1	ug/L	NC	35	<1	ug/L
8731492	Leachable (SPLP) Barium (Ba)	2023/06/16	97	80 - 120	98	80 - 120	<5	ug/L	4.4	35	<5	ug/L
8731492	Leachable (SPLP) Beryllium (Be)	2023/06/16	98	80 - 120	95	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
8731492	Leachable (SPLP) Boron (B)	2023/06/16	92	80 - 120	89	80 - 120	<10	ug/L	NC	35	<10	ug/L
8731492	Leachable (SPLP) Cadmium (Cd)	2023/06/16	104	80 - 120	104	80 - 120	<0.1	ug/L	NC	35	<0.1	ug/L
8731492	Leachable (SPLP) Chromium (Cr)	2023/06/16	98	80 - 120	99	80 - 120	<5	ug/L	NC	35	<5	ug/L
8731492	Leachable (SPLP) Cobalt (Co)	2023/06/16	101	80 - 120	98	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
8731492	Leachable (SPLP) Copper (Cu)	2023/06/16	100	80 - 120	102	80 - 120	<1	ug/L	NC	35	<1	ug/L
8731492	Leachable (SPLP) Lead (Pb)	2023/06/16	100	80 - 120	102	80 - 120	<0.5	ug/L	NC	35	<0.5	ug/L
8731492	Leachable (SPLP) Molybdenum (Mo)	2023/06/16	110	80 - 120	108	80 - 120	<1	ug/L	1.4	35	<1	ug/L
8731492	Leachable (SPLP) Nickel (Ni)	2023/06/16	97	80 - 120	97	80 - 120	<1	ug/L	NC	35	<1	ug/L
8731492	Leachable (SPLP) Selenium (Se)	2023/06/16	104	80 - 120	104	80 - 120	<2	ug/L	NC	35	<2	ug/L
8731492	Leachable (SPLP) Silver (Ag)	2023/06/16	103	80 - 120	105	80 - 120	<0.1	ug/L	NC	35	<0.1	ug/L
8731492	Leachable (SPLP) Thallium (Tl)	2023/06/16	101	80 - 120	104	80 - 120	<0.05	ug/L	NC	35	<0.05	ug/L
8731492	Leachable (SPLP) Uranium (U)	2023/06/16	102	80 - 120	100	80 - 120	<0.1	ug/L	9.9	35	<0.1	ug/L
8731492	Leachable (SPLP) Vanadium (V)	2023/06/16	96	80 - 120	95	80 - 120	<1	ug/L	NC	35	<1	ug/L
8731492	Leachable (SPLP) Zinc (Zn)	2023/06/16	102	80 - 120	101	80 - 120	<5	ug/L	NC	35	<5	ug/L

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.

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

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

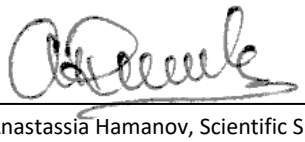
Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3G9976
Report Date: 2023/06/19

exp Services Inc
Client Project #: GTR-23002995-A0
Site Location: PLAINS RD., EAST
Your P.O. #: BRM-ENV
Sampler Initials: MT

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, 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 {0}, {1} responsible for {2} {3} laboratory operations.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

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

CHAIN C

Page 1 of 1

12-Jun-23 14:35
Patricia Legette
C3G9976
AN4 ENV-1680
C#937900-02-01

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name:	#17492 exp Services Inc	Company Name:	exp Services Inc.	Quotation #:	C28328 Stream 3
Attention:	Accounts Payable	Attention:	Jason Slidders; Nolan McGahey	P.O. #:	BSM-ENV
Address:	1266 South Service Rd Suite C1-1	Address:		Project:	GTR-2300295-A0
	Stoney Creek ON L8E 5R9			Project Name:	
Tel:	(905) 573-4000 Fax:	Tel:	905-525-6069 Fax:	Site #:	Plains Rd. East
Email:	AP@exp.com; Karen.Burke@exp.com	Email:	Jason.slidders@exp.com; nolan.mcgahey@exp.com	Sampled By:	MT

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 3.1 LSL
- ☐ Other ___

Special Instructions

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	SPLP Metals								# of Bottles	Comments
1		SPLP8	June9/23	PM	S		X								1	Limited sample
2																
3																
4																
5																
6																
7																
8																
9																
10																

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 #)*

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Nicole McQuoid	23/06/12	9:30	RAJ MASANJ	2023/06/12	1435	

Laboratory Use Only

Time Sensitive	Temperature (°C) on Recei	Custody Seal Present	Yes	No
	4/7/5	Intact	✓	

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

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

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

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

White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.