Phase II Environmental Site Assessment – Trail Road Switching Station in Ottawa, Ontario

Final Report

December 18, 2025

Prepared for:
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Prepared by:
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Project Number:
160923647

Stantec

Executive Summary

Stantec Consulting Ltd. (Stantec) was retained by Trailroad BESS Inc. to conduct a Phase II Environmental Site Assessment (ESA) at the location of the proposed Trail Road Switching Station. The Phase II ESA was completed on the property located at the southeastern portion of 3478 Moodie Drive in Ottawa, Ontario, herein referred to as the "Site".

The Site is located in an agricultural and industrial area of Ottawa, Ontario, on the southeastern portion of a larger property with municipal address 3478 Moodie Drive. The Site is approximately 210 m northwest of the intersection of Moodie Drive and Cambrian Road. The Site is currently undeveloped and has an area of approximately 3400 square meters.

In December 2025, Stantec conducted a Phase I ESA at the Site in support of the development of the Trail Road Switching Station. The Phase I ESA identified the following potential environmental concerns at the Site:

- The presence of a tree nursery immediately west of the Site and record for hazardous waste generation records at 3478 Moodie Drive represented potential environmental concerns for soil impacts at the Site.
- The presence of off-site aggregate pits and records of waste generation at the neighbouring properties to the north and northeast of the Site represented potential environmental concerns for soil and/or groundwater impacts at the Site.

It was understood that Trailroad BESS was intending on leasing (i.e., not purchasing) the Site, and therefore the recommendations made were related to Site development. As such, it was recommended that soil quality be assessed on the Site to address the areas of potential environmental concern (APEC) due to the potential environmental concerns noted above, and it was further noted that if groundwater management was anticipated to be required during development that an attempt should be made to sample the onsite monitoring well to assess the quality of the groundwater at the Site.

The objective of the Phase II ESA was to assess soil impacts within the following APECs:

- APEC-1 – Located along the western limit of the Site associated with the presence of a tree nursery and records of hazardous waste generation at 3478 Moodie Drive.
- APEC-2 - Located along the northern and eastern portion of the Site associated with the presence of off-site aggregate pits and records of waste generation at the neighbouring properties to the north and northeast of the Site.

The Phase II ESA was completed in general accordance with the Canadian Standards Association (CSA) Standard Z769-00 (R2023) (CSA, 2023) for due diligence purposes.

Four boreholes (BH25-01 to BH25-04) were advanced at the Site to a maximum depth of 6.10 metres (m) below ground surface (BGS). BH25-01 and BH25-03 were advanced within APEC-1 and BH25-02 to BH25-04 were advanced within APEC-2 (note: BH25-03 is located within the overlapping area containing both APEC-1 and APEC-2).

Representative soil samples were collected from the boreholes and submitted for laboratory analysis of benzene, toluene, ethylbenzene, xylenes (BTEX); petroleum hydrocarbons (PHC) fractions 1 to 4 (F1 to F4); polycyclic aromatic hydrocarbons (PAHs); organochlorine pesticides (which includes analysis of polychlorinated biphenyls (PCBs)), and metal and inorganic parameters.

Stantec offers the following conclusions with respect to the results of the Phase II ESA:

- In general, the Site was covered in topsoil from surface to depths of between 0.3 m BGS and 0.76 m BGS underlain by sand or silty sand to a depth of between 3.81 m BGS (BH25-03) to the maximum investigation depth of 6.01 m BGS (BH25-01 and BH25-02). The top of a layer of clay was observed at 3.81 m BGS (BH25-03) and 5.33 m BGS (BH25-04) and extended to the maximum investigation depth of 6.01 m BGS (BH25-03 and BH25-04).
- One existing onsite monitoring well (TR24-17) installed by others (depth of approximately 5.49 m BGS) was determined to be dry during the site visit on November 20, 2025. This monitoring well does not currently have a proper protective well casing installed so there is an increased risk of the well being damaged in future.
- No visual or olfactory evidence of organic impacts of PHC, PAHs, or volatile organic compounds (VOCs), such as staining or odours, was noted in the soil recovered from the boreholes. Combustible vapour concentrations (CVC) ranged from less than 5 parts per million by volume (ppm_v) to 10 ppm_v and total organic vapour (TOV) concentrations were determined to be less than 0.02 ppm_v in each of the samples.
- The Ontario Regulation (O.Reg.) 153/04 Table 2 Site Condition Standards (SCS) for all soil textures and industrial/commercial/community property use were considered applicable at the Site.
- Based on the analytical results of the submitted soil samples, concentrations of analyzed parameters met the applicable Table 2 SCS in all samples analyzed.

Based on the results of the Phase II ESA as noted herein, no soil impacts were identified at the Site at the completed boreholes at concentrations greater than the applicable Table 2 SCS.

No additional environmental investigations are recommended at this time; however, it is recommended that the existing onsite monitoring well either have a protective casing installed or the well should be decommissioned in accordance with Regulation 903.

The statements made in this Executive Summary text are subject to the limitations included in Section 7 and are to be read in conjunction with the remainder of this report.

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1 Introduction

Stantec was retained by Trailroad BESS Inc. to conduct a Phase II Environmental Site Assessment (ESA) at the location of the proposed Trail Road Switching Station. The Phase II ESA was completed at the southeastern portion of a larger property with municipal address 3478 Moodie Drive in Ottawa, Ontario, herein referred to as the "Site". The Site is located in an agricultural and industrial area of Ottawa, Ontario, on the southeastern portion of a larger property with municipal address 3478 Moodie Drive. The Site is approximately 220 m northwest of the intersection of Moodie Drive and Cambrian Road. The Site is currently undeveloped and has an area of approximately 1600 square meters. A site location map and site layout are provided as **Figure 1** and **Figure 2**, **Appendix A**.

The purpose of the Phase II ESA was to characterize soil in areas of potential environmental concern (APECs) at the Site. The APECs were identified in a Phase I ESA completed by Stantec in 2025. The Phase I ESA is documented in a report titled *Phase I Environmental Site Assessment, Trail Road Switching Station ESA*, dated December 12, 2025 (Stantec, 2025). The Phase I ESA identified potential environmental concerns at the Site and further environmental investigation (i.e., a Phase II ESA) to assess the soil quality was recommended. Groundwater sampling was only recommended if groundwater management was anticipated to be required during development.

Stantec developed a sampling and analysis plan (SAP) to assess the following potential environmental concerns at the Site based on the findings of the Phase I ESA:

- An area of potential environmental concern (APEC) was identified along the western limit of the Site associated with the presence of a tree nursery and records of hazardous waste generation at 3478 Moodie Drive (APEC 1 as shown on **Figure 2** and **Figure 3**, **Appendix A**).
- An APEC was identified along the northern and eastern portion of the Site associated with the presence of off-site aggregate pits and records of waste generation at the neighbouring properties to the north and northeast of the Site (APEC 2 as shown on **Figure 2** and **Figure 3**, **Appendix A**).

Potential contaminants of concern (COCs) associated with the APECs at the Site listed above were considered to be benzene, toluene, ethylbenzene, xylenes (BTEX); petroleum hydrocarbons (PHC) fractions 1 to 4 (F1 to F4); polycyclic aromatic hydrocarbons (PAHs); organochlorine pesticides (which includes polychlorinated biphenyls (PCBs) as part of the analytical suite); and metal and inorganic parameters.

2 Environmental Site Setting

2.1 Topography and Regional Drainage

At the time of the Phase II ESA, the Site was undeveloped with low-lying vegetation. Storm water is anticipated to drain primarily through infiltration as well as some overland flow.

Based on a review of topographic mapping and observations made during the Phase I ESA (Stantec, 2025), surface drainage and anticipated shallow groundwater flow appeared to be to the south towards an unnamed tributary, located approximately 360 m south of the Site, which drains into Jock River, located approximately 2 km west of the Site.

It should be noted that the direction of the shallow groundwater flow in limited areas can also be influenced by the presence of underground utility corridors and is not necessarily a reflection of regional or local groundwater flow or a replica of the Site or area topography.

2.2 Geology

As indicated in the Phase I ESA (Stantec, 2025), the native surficial soils at the Site were mapped as glaciofluvial deposits, including river deposits and delta topset facies, and bedrock within the surrounding area of the Site consists of dolostone and sandstone of the Beekmantown Group. Based on the water well records identified in the Environmental Risk Information Services (ERIS) report, limestone bedrock was identified at a depth of 34.4 m BGS.

Bedrock was not encountered to the maximum investigated depth of 6.01 metres (m) below ground surface (BGS) during the Phase II ESA.

3 Regulatory Framework

The roles and powers of the Ministry of the Environmental Conservation and Parks (MECP) when dealing with contaminated sites are outlined primarily in the *Environmental Protection Act* (R.S.O. 1990). The MECP has a mandate to deal with situations where there is an adverse effect, or the likelihood of an adverse effect, associated with the presence or discharge of a contaminant. Ontario Regulation (O.Reg.) 153/04, amended by O.Reg. 407/19, provides guidance and information to property owners and consultants to use when assessing the environmental condition of a property, when determining whether restoration is required and in determining the kind of restoration needed to allow continued use or reuse of a property. *The Soil, Ground Water, and Sediment Standards for Use Under Part XV.I of the Environmental Protection Act* (MOE, 2011) provide generic numerical site condition standards (SCS) for soil, groundwater, and sediment quality as a function of land use, soil texture (medium and fine or coarse), groundwater usage (potable or non-potable), and remediation approach (full depth or stratified).

As a Record of Site Condition (RSC) is not required for the Site, this report was not intended to meet all requirements of O.Reg. 153/04 for Phase Two ESAs, such as the prescribed report format. The Phase II ESA was completed in general accordance with the Canadian Standards Association (CSA) Standard Z769-00 (R2023) (CSA, 2023) for due diligence purposes.

3.1 Generic Soil and Groundwater Quality Standards

This section summarizes the selection process Stantec used to identify the appropriate SCS for the Site. The selection was based on a review of site-specific characteristics consistent with the requirements of O.Reg.153/04 and considered the following characteristics specific to the Site.

Groundwater Use

The Site is situated in an agricultural and industrial area of Ottawa, Ontario. Based on the Phase I ESA (Stantec, 2025), the Site is undeveloped and is not serviced by a municipal drinking water system. The surrounding agricultural and industrial properties likely source their potable water from domestic wells. The SCS for potable groundwater conditions were therefore considered applicable at the Site.

Current/Intended Property Use

The property is undeveloped. Stantec understands the Phase II ESA is being conducted at the Site to support the Trail Road Switching Station. Therefore, is anticipated that the future land use will be industrial. Accordingly, the applicable land use category was considered to be industrial/commercial/community (ICC) for the purposes of environmental quality assessment, based on the future use of the Site.

Depth to Bedrock

The subsurface investigation completed as part of this Phase II ESA did not encounter bedrock at the maximum investigated depth of 6.01 m BGS. Well records identified in the ERIS report were reviewed and based on the records, bedrock was encountered at a depth of 34.4 m BGS (Stantec, 2025). Therefore, the full depth generic SCS were considered applicable for the use at the Site.

Proximity to Water Bodies

No water bodies were located within 30 m of the Site. Therefore, the generic SCS suitable for properties greater than 30 m from a water body are applicable for the Site.

Soil Characteristics

Stratigraphy observed in the boreholes as part of this Phase II ESA generally consisted of a layer of topsoil overlying sand and clay encountered below to a maximum investigated depth of 6.01 m BGS. Two grain size analyses were obtained from samples considered representative of the general soil stratigraphy on the Site, based on field observations. A detailed description of the stratigraphy observed during the field program is provided in the borehole logs in **Appendix C**. Soil collected from BH25-01-2 and BH25-02-2 from 0.5 to 3.05 m BGS indicated the presence of coarse textured soil, with 90% and 88% greater than 0.075 millimeters in size (sieve #200) respectively, as shown in **Table I**, **Appendix D**.

Environmentally Sensitive Sites

The O.Reg.153/04 generic SCS cannot be used at properties that are considered environmentally sensitive. This includes sites that include or are within 30 m of an area of natural significance, or sites at which soil pH is not within the allowable ranges for surface and/or subsurface soils. If either condition applies, the Table 1 (background) SCS are used to evaluate soil and groundwater quality.

With respect to areas of natural significance, according to information provided by the Ontario Ministry of Natural Resources and Forestry online tool (MNR, 2025), and in the Phase I ESA (Stantec, 2025), no areas of natural and scientific interest (ANSIs) or other areas of natural significance were reported within 30 m of the Site.

With respect to soil pH, the generic SCS cannot be applied to a property if the soil pH has a value outside a range of 5 to 9 for surface soil (i.e., less than or equal to 1.5 m BGS) or outside a range of 5 to 11 for subsurface soil (i.e., greater than 1.5 m BGS). Two surface soil samples and six subsurface soil samples plus one field duplicate were submitted for analysis of pH. The measured pH values in the surface soil samples were 7.03 and 7.35 and the measured pH values in the subsurface soil samples ranged from 7.44 to 7.97. The pH measured in soil samples at the Site were within the acceptable ranges.

Based on the above, the Site was not considered to be environmentally sensitive.

Applicable Standards

Based on the Site's characteristics described above, the Table 2 SCS (Full Depth Generic Site Condition Standards in a Potable Ground Water Condition) for industrial/commercial/community property use for all soil textures were the regulatory standards used for comparison at the Site (Table 2 SCS).

4 Site Investigation Methods

4.1 Soil Investigation

A summary of the completed scope of work is presented below. Detailed methods are presented in **Appendix B**.

4.1.1 Pre-Field Activities

Pre-field activities completed included the following tasks:

- Prepared health and safety documentation prior to commencing any field work.
- Retained subcontractors for private underground utility location and laboratory analytical services.
- Established data quality objectives (DQOs).

4.1.2 Field Activities

Field activities completed at the Site included the following tasks:

- Retained private utility locators (multiVIEW Locates Inc.) to locate private underground utilities in the work areas.
- Requested public utility clearances (Ontario One Call).
- Drill four boreholes (BH25-01 to BH25-04) using a Geoprobe 7822DT (Strata Drilling Group).
- Collected and submitted select soil samples from the boreholes to Bureau Veritas North America Inc. (BV Labs) for laboratory analysis of BTEX, PHC F1 to F4, PAHs, metal and inorganic parameters, organochlorine pesticides (including PCBs as part of the analytical suite), and grain size.

4.1.3 Data Interpretation and Reporting

Data interpretation and reporting activities completed included the following tasks:

- Interpreted the observations and findings of the field work and the analytical results.
- Evaluated quality assurance/quality control (QA/QC).
- Prepared this report to document the investigation findings.

4.2 Sampling Location Rationale

The initial SAP is provided in Table 4.1. The depth of soil samples submitted for laboratory analysis from the boreholes were based on field observations and/or soil vapour concentrations, staining, odours, and the expected behaviour of COCs in the environment. Groundwater was not included in the initial sampling plan at the Site. One monitoring well (TR24-17) installed by others was located on the Site, as described in Section 5.1.2. This well was found to be dry during the site visit on November 20, 2025.

Table 4.1 Sampling and Analysis Plan (SAP)

Location	Rationale	Soil Analyses	Groundwater Analyses
BH25-01 and BH25-03	Assess potential soil impacts in the western portion due to the presence of a tree nursery and record of hazardous waste generation	PHC F1 to F4, BTEX, PAHs, metal and inorganic parameters, organochlorine pesticides (included in the analytical suite was PCBs)	Not included in the initial sampling plan.
BH25-02, BH25-03, and BH25-04	Assess potential soil impacts in the northern and eastern portion due to the presence of off-site aggregate pits and records of waste generation		

4.2.1 Deviations from the Sampling and Analysis Plan (SAP)

No significant deviations were conducted to the SAP; however, the following two items should be noted.

The onsite monitoring well (installed previously by other) was attempted to be monitored on November 20, 2025, but was found to be dry.

During the Phase II ESA planning stage, Trail Road BESS Inc. provided Stantec with a figure showing a property area meant to be representative of the Site; however, the boundaries shown on the site plan were not consistent with the property boundaries reflected on a recent legal survey of the property. Since the Site is comprised of the entire property, the Site boundaries were expanded to match the recent legal survey. As a result, BH25-02 and BH25-04, which were intended to be placed along the eastern property boundary, were advanced approximately 10 m west relative to the eastern Site property boundary. Despite the distance from the eastern property boundary, BH25-02 and BH25-04 are still located within the boundary of and adequately assess APEC-2; however, if Trail Road Bess Inc. requires soil or groundwater information closer to the eastern Site property boundary, then further drilling would be required.

5 Results

5.1 Site Geology and Hydrogeology

5.1.1 Site Geology

In general, the Site was covered in topsoil from surface to depths of between 0.3 m BGS and 0.76 m BGS underlain by sand or silty sand to a depth of between 3.81 m BGS (BH25-03) to the maximum investigation depth of 6.01 m BGS (BH25-01 and BH25-02). The top of a layer of clay was observed at 3.81 m BGS (BH25-03) and 5.33 m BGS (BH25-04) and extended to the maximum investigation depth of 6.01 m BGS (BH25-03 and BH25-04).

Bedrock was not encountered to the maximum depth of investigation.

Detailed descriptions of stratigraphy observed are provided on the borehole logs in **Appendix C.**

5.1.2 Site Hydrogeology

No monitoring wells were installed during this Phase II ESA; however, there was one monitoring well (TR24-17) previously installed by others that was located on the Site. This well did not have a protective casing, but a flush mount cover was placed on the top of the well, which was approximately 0.7 m above the ground surface. According to a partially redacted monitoring well provided by Trail Road BESS Inc., it was noted that this well was installed to approximately 5.49 m BGS. Stantec attempted to monitor the well on November 20, 2025; however, the well was found to be dry. A photo of monitoring well TR-24-17 is provided below, a copy of the redacted well log is included in **Appendix C** and the location of this monitoring well is shown on **Figure 2** and **Figure 3**, **Appendix A**.

5.2 Soil Screening Results

No evidence of PHC, PAHs, or volatile organic compounds (VOCs) impacts, such as staining or odours, was noted in the soil recovered from the boreholes advanced at the Site.

The combustible vapour concentrations (CVC) and total organic vapour (TOV) concentrations measured in the headspace of the soil samples recovered from the boreholes are provided on the borehole logs in **Appendix C**. CVC/TOV are used as a screening tool during soil sampling to indicate the potential presence of volatile impacts; the measured concentrations did not suggest evidence of significant presence of volatiles. There are no regulatory criteria for headspace soil vapour concentrations. Headspace soil vapour concentrations are a field screening tool to provide a qualitative indication of the presence of volatile COCs (e.g., BTEX, PHC F1, VOCs).

The CVC measured in soil samples collected during the sampling program ranged from less than 5 parts per million by volume (ppm_v) (various locations) to 10 ppm_v (BH25-04-4 from 3.0 m to 3.75 m BGS). The TOV measured in soil samples collected during the sampling program were determined to be less than 0.02 ppm_v.

5.3 Analytical Results

This section presents the laboratory analytical results. Soil samples were analyzed for the parameters outlined in Table 4.1.

5.3.1 Soil Quality

Soil analytical results for samples collected from the boreholes are summarized in **Table I**, **Appendix D** and on **Figure 3**, **Appendix A.** Concentrations of BTEX, PHC F1 to F4, PAHs, organochlorine pesticides, PCBs, and metal and inorganic parameters met the Table 2 SCS in the soil samples submitted for laboratory analysis.

Laboratory certificates of analysis are presented in **Appendix E**.

5.3.2 Quality Assurance/Quality Control

The overall DQO for the investigation was to collect data that were precise, accurate, reproducible, complete, and suitable for the purposes of the Phase II ESA. A full discussion of quality assurance/ quality control (QA/QC) is provided in **Appendix F**.

As a check on the laboratory analytical methods and on sample precision, the following QC samples were submitted:

One blind field duplicate soil sample was analyzed as follows:

- QC-01 from BH25-02-6 for PHC F1 to F4, BTEX, PAHs, organochlorine pesticides (including PCBs as pert of the analytical suite), metal and inorganic parameters

The analytical results for the field duplicate samples are shown in **Table I**, **Appendix D.** The blind field duplicate samples were used to assess the precision of the sampling and analytical procedures. Typically, the relative percent difference (RPD) is calculated for the concentrations in the original sample and its duplicate.

The RPDs for parent and field duplicate soil samples collected at the Site were either within the respective alert limits or not calculated because the concentrations were less than the laboratory reporting limits (RLs) or less than five times the RL in one or both samples with the exception of parameters of electrical conductivity and barium. The following RPD values were above the alert limits:

- Soil duplicate sample pair BH25-02-6/QC-01: electrical conductivity (RPD of 17% compared to an alert limit of 10%) and barium (RPD of 36% compared to an alert limit of 30%). Elevated RPDs were likely a result of sample heterogeneity. Because the RPD were greater than the alert limits, the analytical results should be considered as estimates. As a matter of conservacy, the higher of the two reported concentrations is taken to be indicative of conditions at that location and depth.

A detailed summary of the QA/QC evaluation is presented in **Appendix F** and copies of the laboratory certificates of analysis are provided in **Appendix E**.

Based on the QA/QC evaluation described in **Appendix F**, Stantec concluded that the DQO for this investigation was satisfied, and that the data were considered acceptable for use in this report.

6 Conclusions

Stantec offers the following conclusions with respect to the results of the Phase II ESA:

- In general, the Site was covered in topsoil from surface to depths of between 0.3 m BGS and 0.76 m BGS underlain by sand or silty sand to a depth of 3.81 m BGS (BH25-03) to the maximum investigation depth of 6.01 m BGS (BH25-02 and BH25-02). The top of a layer of clay was observed at 3.81 m BGS (BH25-03) and 5.33 m BGS (BH25-04) and extended to the maximum investigation depth of 6.01 m BGS BH25-03 and BH25-04).
- One existing onsite monitoring well (TR24-17) installed by others (depth of approximately 5.49 m BGS) was determined to be dry during the site visit on November 20, 2025. This monitoring well does not currently have a proper protective well casing installed so there is an increased risk of the well being damaged in future.
- No visual or olfactory evidence of organic impacts of PHC, PAHs, or VOCs, such as staining or odours, was noted in the soil recovered from the boreholes. CVC concentrations ranged from less than 5 ppm_v to 10 ppm_v and TOV concentrations were determined to be less than 0.02 ppm_v, in each of the samples.
- The O.Reg. 153/04 Table 2 SCS for all soil textures and industrial/commercial/community property use were considered applicable at the Site.
- Based on the analytical results of the submitted soil samples, concentrations of analyzed parameters met the applicable Table 2 SCS in all samples analyzed.

No additional environmental investigations are recommended at this time; however, it is recommended that the existing onsite monitoring well either have a protective casing installed or the well should be decommissioned in accordance with Regulation 903.

7 Limitations and Sign-off

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential liabilities associated with the identified property.

This report provides an evaluation of selected environmental conditions associated with the identified portion of the property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. There are no assurances regarding the accuracy and completeness of this information. All information received from the client or third parties in the preparation of this report has been assumed by Stantec to be correct. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

The opinions in this report can only be relied upon as they relate to the condition of the portion of the identified property that was assessed at the time the work was conducted. Activities at the property subsequent to Stantec's assessment may have significantly altered the property's condition. Stantec cannot comment on other areas of the property that were not assessed.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report and are based solely on the scope of work described in the report, the limited data available and the results of the work. They are not a certification of the property's environmental condition. This report should not be construed as legal advice.

This report has been prepared for the exclusive use of the client identified herein and any use by any third party is prohibited. Stantec assumes no responsibility for losses, damages, liabilities or claims, howsoever arising, from third party use of this report.

This report is limited by the following:

- *Locations of the soil samples and parameters analyzed.*
- *Groundwater at the Site was not monitored or sampled (the one onsite monitoring well was determined to be dry during the sampling event).*

The locations of any utilities, buildings and structures, and property boundaries illustrated in or described within this report, if any, including pole lines, conduits, water mains, sewers and other surface or sub-surface utilities and structures are not guaranteed. Before starting work, the exact location of all such utilities and structures should be confirmed and Stantec assumes no liability for damage to them.

The conclusions are based on the site conditions encountered by Stantec at the time the work was performed at the specific testing and/or sampling locations, and conditions may vary among sampling locations. Factors such as areas of potential concern identified in previous studies, site conditions (e.g., utilities) and cost may have constrained the sampling locations used in this assessment. In addition, analysis has been carried out for only a limited number of chemical parameters, and it should not be inferred that other chemical species are not present. Due to the nature of the investigation and the limited data available, Stantec does not warrant against undiscovered environmental liabilities nor that the sampling results are indicative of the condition of the entire site. As the purpose of this report is to identify site conditions which may pose an environmental risk; the identification of non-environmental risks to structures or people on the site is beyond the scope of this assessment.

Should additional information become available which differs significantly from our understanding of conditions presented in this report, Stantec specifically disclaims any responsibility to update the conclusions in this report.

This report was prepared by Jasper Koo, M.Sc., and reviewed by Brent Ferguson, B.Sc., P.Geo.

Koo, Jasper
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Date: 2025.12.18 11:53:13 -05'00'

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8 References

CSA. (2023). CAN/CSA-Z769-00 (R2023) - Phase II Environmental Site Assessment. Canadian Standards Association (CSA).

MNR. (2025). Areas of Natural and Scientific Interest (ANSI). https://geohub.lio.gov.on.ca/datasets/lio::areas-of-natural-and-scientific-interest-ansi/explore?location=44.220475%2C-76.754262%2C17.00. Last updated October 1, 2025. Accessed November 24, 2025. Ministry of Natural Resources (MNR).

MOE. (2011). *Soil. Groundwater, and Sediment Standards for Use Under Part XV.I of the Environmental Protection Act.* Ontario Ministry of the Environment (MOE).

Stantec. (2025). *Phase I Environmental Site Assessment, Trail Road Switching Station ESA.* December 12, 2025. Stantec Consulting Ltd.

Appendices

Appendix A Figures

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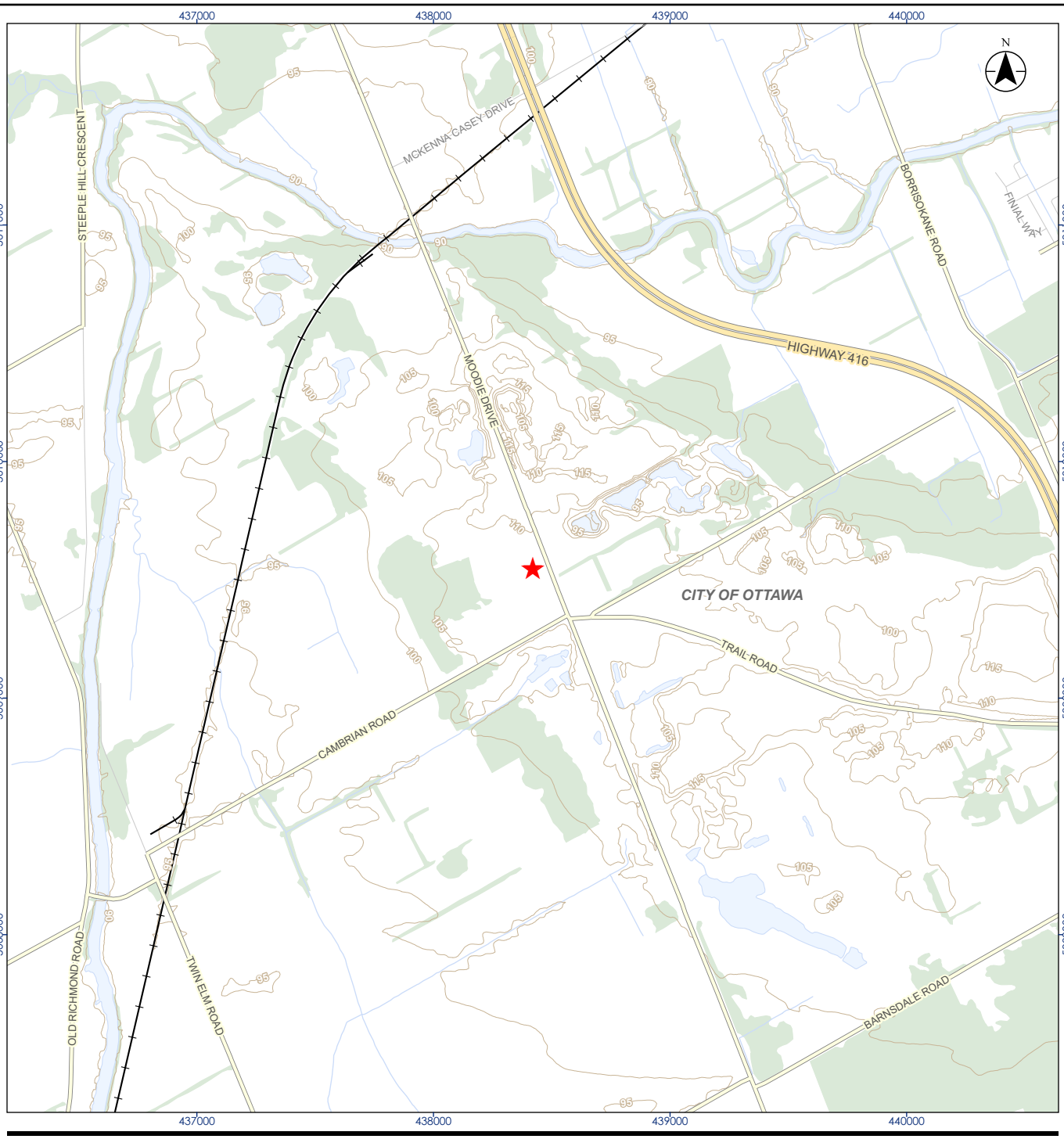

Notes
1. Coordinate System: NAD 1983 UTM Zone 18N
2. Contains information licensed under the Open Government Licence - Ontario.
3. This figure is to be viewed in the context of the accompanying report and is subject to the limitations specified in that report.
4. m AMSL - metres above mean sea level.

Legend

- Site Location
- Expressway / Highway
- Major Road
- Minor Road
- Railway - Operational
- Topographic Contour (m AMSL)
- Watercourse
- Waterbody
- Wooded Area
- Municipal Boundary - Lower Tier

0 500 1,000 metres

1:25,000 (at original document size of 8.5x11)

Stantec

Project Location: Ottawa, Ontario

160923647

Prepared by svandamme on 2025-11-04

Client/Project

SCOUT CLEAN ENERGY
PHASE II ENVIRONMENTAL SITE ASSESSMENT
TRAIL ROAD SWITCHING STATION, OTTAWA, ONTARIO

Figure No.

1

Title

Site Location

Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.

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Legend
- Approximate Borehole Location (Stantec, 2025)
- Approximate Monitoring Well Location
- Approximate Site Boundary
- APEC-1
- APEC-2

0 10 20 m
1:400 (At original document size of 11x17)

Notes
1. Coordinate System: NAD 1983 UTM Zone 18N
2. Contains information licensed under the Open Government Licence - Ontario, and the Open Government Licence - Canada, accessed 2025.
3. This figure contains parcel data provided by First Base Solutions®, 2025.
4. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.

Project Location
City of Ottawa

160923647
Prepared by SVD on 2025-12-11

Client/Project
SCOUT CLEAN ENERGY
PHASE II ENVIRONMENTAL SITE ASSESSMENT
TRAIL ROAD SWITCHING STATION, OTTAWA, ONTARIO

Figure No.
2

Title
Site Plan

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Legend

- Approximate Borehole Location (Stantec, 2025)
- Approximate Monitoring Well Location
- Soil Parameters Tested Met Regulatory Standards (Table 2 ICC - Coarse)
- Approximate Site Boundary

0 10 20 m

1:370 (At original document size of 11x17)

Notes

1. Coordinate System: NAD 1983 UTM Zone 18N
2. Contains information licensed under the Open Government Licence - Ontario, and the Open Government Licence - Canada, accessed 2025.
3. This figure contains parcel data provided by First Base Solutions®, 2025.
4. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.

Project Location
City of Ottawa

160923647
Prepared by SVD on 2025-12-11

Client/Project
SCOUT CLEAN ENERGY
PHASE II ENVIRONMENTAL SITE ASSESSMENT
TRAIL ROAD SWITCHING STATION, OTTAWA, ONTARIO

Figure No.
3

Title
Soil Analytical Results

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Appendix B Methodology

METHODOLOGY

This Appendix summarizes the methods Stantec followed in completing the Phase II Environmental Site Assessment (ESA).

Underground Utilities

Public and Private Underground Service Locates

Prior to the ground disturbance activities, Stantec contacted Ontario One Call to have publicly owned utilities located in the vicinity of the proposed test pit locations. MultiVIEW Locates Inc. was retained to verify the locations of private services at the Site.

Borehole Advancement

Stantec contracted Strata Drilling Group to advance four boreholes to a maximum depth of 6.10 metres (m) below ground surface (BGS) along the property boundaries using a using a Geoprobe 7822DT. Borehole logs in **Appendix C** present the observed stratigraphy.

Sampling Methods

Soil Sampling

Soil samples were collected from the boreholes at regular intervals. Stantec's field technicians visually assessed and logged the recovered soil samples in the field and recorded observations of colour, odour, texture, soil type, and moisture in borehole logs found in **Appendix C**. Each soil sample was split into two portions. One portion was placed into a sealable plastic bag for use in screening headspace soil vapour concentrations. The second portion of each sample was placed into laboratory-supplied jars and temporarily stored in a cooler on ice prior to transport to Bureau Veritas North America Inc. (BV Labs). Samples to be analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), petroleum hydrocarbon (PHC) fractions 1 to 4 (F1 to F4), polycyclic aromatic hydrocarbons (PAHs), organochlorine pesticides (including PCBs as part of the analytical suite) and metal and inorganic parameters were recovered at each sampling interval using direct push techniques.

Stantec screened soil samples for headspace soil vapour concentrations in the field using an RKI Eagle 2 gas detector. The Eagle 2 is equipped with a combustible gas detector to measure combustible vapour concentrations (CVC) and a photoionization detector (PID) to measure total organic vapours (TOV). The combustible gas detector was calibrated to hexane and operated in methane elimination mode for CVC measurements, and the PID was calibrated to isobutylene and equipped with a 10.6 eV lamp for TOV measurements. For CVC, the Eagle 2 can display measurement in parts per million by volume (ppm_v), percent by volume (% volume), and percent of the lower explosive limit (% LEL). TOV measurements are reported in units of ppm_v. The Eagle 2 is equipped with a Teflon® lined hose and a 0.4 m (10 inch) long hydrophobic probe. The probe includes a replaceable hydrophobic filter disk that reduces the potential for particulates and water to enter the instrument.

The Eagle 2 was calibrated in the field at the beginning of work each day. The calibration data were recorded when the Eagle 2 was calibrated.

Field screening soil vapour readings are recorded on the borehole logs in **Appendix C**.

Potential cross-contamination of samples was reduced by using cleaned sampling equipment. The non dedicated sampling equipment that came in contact with the soil was washed using a solution of Alconox and water and rinsed with water between sample locations. Stantec's field technicians wore a new pair of disposable nitrile gloves for each soil sample.

Stantec selected soil samples for laboratory analysis based on a variety of lines of evidence, including samples with elevated CVC/TOV concentrations, staining, odour, and the expected behaviour of COC in the environment. Samples submitted for laboratory analysis were packed in coolers on ice and shipped to BV Labs under chain-of-custody documentation.

Appendix C Borehole Logs

Borehole: BH25-01

Project:	Phase II ESA	**Method:**	Geoprobe 7822DT (Direct Push)
Client:	Trailroad BESS Inc.	**Date started/completed:**	17-Nov-2025
Location:	1378 Moodie Drive, Ottawa, ON	**Ground surface elevation:**	n/a
Number:	160923647	**Top of casing elevation:**	n/a
Field investigator:	M. Dinh	**Easting:**	n/a
Contractor:	Strata Drilling Group	**Northing:**	n/a

SUBSURFACE PROFILE				SAMPLE DETAILS					INSTALLATION DETAILS	
Depth (ft)	Depth (m)	Graphic Log	Stratigraphic Description	Depth (m BGS)	Sample Number	Sample Type	Recovery	Lab Analyses	%LEL Comb▲ 20 40 60 80 / ppm OTOV / Comb ● 200 400 600 800	Diagram	Description
			Ground Surface								
			TOPSOIL brown, with organics, moist	0.00							
			SAND brown, with organics, moist	0.30	1				<5 ● ○ <0.02		
			SAND light brown, moist	0.76		DP	60%				
	1				2			PHCs, BTEX, PAHs, M&I, OCPs, GS, PCBs	<5 ● ○ <0.02		
5											
	2		- with gravel, trace clay		3	DP	70%		<5 ● ○ <0.02		
					4				<5 ● ○ <0.02		
10	3		SILTY SAND grey, moist	3.05							Backfilled with bentonite
					5			PHCs, BTEX, PAHs, M&I, OCPs, PCBs	<5 ● ○ <0.02		
	4		SAND grey, moist	3.81		DP	80%				
					6				<5 ● ○ <0.02		
15			- trace clay								
	5				7				<5 ● ○ <0.02		
						DP	90%				
					8				<5 ● ○ <0.02		
	6										
20			End of Borehole	6.10							
	7										

Notes:
m BGS - metres below ground surface
DP - direct push sample
ppm - parts per million by volume
%LEL - percent lower explosive limit
n/a - not available

PHCs - petroleum hydrocarbon fractions 1 to 4
BTEX - benzene, toluene, ethylbenzene, xylenes
M&I - metals and inorganics
PAHs - polycyclic aromatic hydrocarbons
OCPs - organochlorine pesticides
GS - grain size
PCBs - polychlorinated biphenyls

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Drawn By/Checked By: M. Ford

STANTEC BOREHOLE AND WELL V2 160923647_BHLOGS.GPJ STANTEC - DATA TEMPLATE.GDT 11/27/25 MIFORD

Borehole: BH25-02

Project:	Phase II ESA	**Method:**	Geoprobe 7822DT (Direct Push)
Client:	Trailroad BESS Inc.	**Date started/completed:**	17-Nov-2025
Location:	1378 Moodie Drive, Ottawa, ON	**Ground surface elevation:**	n/a
Number:	160923647	**Top of casing elevation:**	n/a
Field investigator:	M. Dinh	**Easting:**	n/a
Contractor:	Strata Drilling Group	**Northing:**	n/a

SUBSURFACE PROFILE				SAMPLE DETAILS					INSTALLATION DETAILS	
Depth (ft)	Depth (m)	Graphic Log	Stratigraphic Description	Depth (m BGS)	Sample Number	Sample Type	Recovery	Lab Analyses	%LEL / ppm / OTOV / Comb	Diagram / Description
			Ground Surface							
			TOPSOIL brown, with organics, moist	0.00						
	1		SAND brown, moist	0.76	1	DP	50%		<5 / <0.02	
5	2		- with gravel, some orange oxidation		2	DP	60%	PHCs, BTEX, PAHs, M&I, OCPs, GS, PCBs	<5 / <0.02	
					3				<5 / <0.02	
10	3		SAND brown, trace clay, wet	3.05	4	DP	100%		<5 / <0.02	Backfilled with bentonite
	4		- grey, some clay		5				<5 / <0.02	
15	5				6	DP	100%	PHCs, BTEX, PAHs, M&I, OCPs, PCBs	<5 / <0.02	
	6		SAND grey, moist	5.33	7				<5 / <0.02	
20	7		End of Borehole	6.10						

Notes:
m BGS - metres below ground surface
DP - direct push sample
ppm - parts per million by volume
%LEL - percent lower explosive limit
n/a - not available

PHCs - petroleum hydrocarbon fractions 1 to 4
BTEX - benzene, toluene, ethylbenzene, xylenes
M&I - metals and inorganics
PAHs - polycyclic aromatic hydrocarbons
OCPs - organochlorine pesticides
GS - grain size
PCBs - polychlorinated biphenyls

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STANTEC BOREHOLE AND WELL V2 160923647_BHLOGS.GPJ STANTEC - DATA TEMPLATE.GDT 11/27/25 MIFORD

Borehole: BH25-03

Project:	Phase II ESA	**Method:**	Geoprobe 7822DT (Direct Push)
Client:	Trailroad BESS Inc.	**Date started/completed:**	17-Nov-2025
Location:	1378 Moodie Drive, Ottawa, ON	**Ground surface elevation:**	n/a
Number:	160923647	**Top of casing elevation:**	n/a
Field investigator:	M. Dinh	**Easting:**	n/a
Contractor:	Strata Drilling Group	**Northing:**	n/a

SUBSURFACE PROFILE				SAMPLE DETAILS					INSTALLATION DETAILS	
Depth (ft)	Depth (m)	Graphic Log	Stratigraphic Description	Depth (m BGS)	Sample Number	Sample Type	Recovery	Lab Analyses	%LEL Comb▲ 20 40 60 80 / ppm OTOV ● Comb 200 400 600 800	Diagram / Description
			Ground Surface							
			TOPSOIL brown, with organics, moist	0.00						
	1		SAND brown, moist	0.76	1	DP	50%	PHCs, BTEX, PAHs, M&I, OCPs, PCBs	5 ● ○ <0.02	
5	2		- trace clay		2	DP	60%		<5 ● ○ <0.02	
					3				<5 ● ○ <0.02	
10	3		- grey-brown, wet		4	DP	90%		<5 ● ○ <0.02	Backfilled with bentonite
	4		CLAY grey, some sand and gravel, wet	3.81	5			PHCs, BTEX, PAHs, M&I, OCPs, PCBs	<5 ● ○ <0.02	
15	5		CLAY grey, wet	4.57	6	DP	100%		<5 ● ○ <0.02	
	6		CLAY grey, some sand, wet	5.33	7				<5 ● ○ <0.02	
20	7		End of Borehole	6.10						

Notes:
m BGS - metres below ground surface
DP - direct push sample
ppm - parts per million by volume
%LEL - percent lower explosive limit
n/a - not available

PHCs - petroleum hydrocarbon fractions 1 to 4
BTEX - benzene, toluene, ethylbenzene, xylenes
M&I - metals and inorganics
PAHs - polycyclic aromatic hydrocarbons
OCPs - organochlorine pesticides
PCBs - polychlorinated biphenyls

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STANTEC BOREHOLE AND WELL V2 160923647_BHLOGS.GPJ STANTEC - DATA TEMPLATE.GDT 11/27/25 MIFORD

Borehole: BH25-04

Project:	Phase II ESA	**Method:**	Geoprobe 7822DT (Direct Push)
Client:	Trailroad BESS Inc.	**Date started/completed:**	17-Nov-2025
Location:	1378 Moodie Drive, Ottawa, ON	**Ground surface elevation:**	n/a
Number:	160923647	**Top of casing elevation:**	n/a
Field investigator:	M. Dinh	**Easting:**	n/a
Contractor:	Strata Drilling Group	**Northing:**	n/a

SUBSURFACE PROFILE				SAMPLE DETAILS					INSTALLATION DETAILS	
Depth (ft)	Depth (m)	Graphic Log	Stratigraphic Description	Depth (m BGS)	Sample Number	Sample Type	Recovery	Lab Analyses	%LEL Comb▲ 20 40 60 80 / ppm OTOV ● Comb 200 400 600 800	Diagram / Description
			Ground Surface							
			TOPSOIL brown, with organics, moist	0.00						
	1		SAND light brown, moist	0.76	1	DP	50%		<5 ● ○ <0.02	
5	2		- dark brown		2	DP	60%		<5 ● ○ <0.02	
					3				<5 ● ○ <0.02	
10	3		- grey-brown		4	DP	100%	PHCs, BTEX, PAHs, M&I, OCPs, PCBs	10 ● ○ <0.02	Backfilled with bentonite
	4		SAND grey, some clay, wet	3.81	5				<5 ● ○ <0.02	
15	5				6	DP	100%		5 ● ○ <0.02	
	6		CLAY grey, trace sand, wet	5.33	7			PHCs, BTEX, PAHs, M&I, OCPs, PCBs	<5 ● ○ <0.02	
20			End of Borehole	6.10						
	7									

Notes:
m BGS - metres below ground surface
DP - direct push sample
ppm - parts per million by volume
%LEL - percent lower explosive limit
n/a - not available

PHCs - petroleum hydrocarbon fractions 1 to 4
BTEX - benzene, toluene, ethylbenzene, xylenes
M&I - metals and inorganics
PAHs - polycyclic aromatic hydrocarbons
OCPs - organochlorine pesticides
PCBs - polychlorinated biphenyls

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STANTEC BOREHOLE AND WELL V2 160923647_BHLOGS.GPJ STANTEC - DATA TEMPLATE.GDT 11/27/25 MIFORD

Appendix D Tables

Table I
Summary of Soil Analytical Results
Phase II Environmental Site Assessment - Trail Road Switching Station
Trail Road BESS Inc.

Sample Location			BH25-01		BH25-02				BH25-03		BH25-04	
Sample Date			17-Nov-25	17-Nov-25	17-Nov-25	17-Nov-25	17-Nov-25		17-Nov-25	17-Nov-25	17-Nov-25	17-Nov-25
Sample ID			BH25-01-2	BH25-01-5	BH25-02-2	BH25-02-6	QC-01		BH25-03-1	BH25-03-5	BH25-04-4	BH25-04-7
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			BV	BV	BV	BV	BV		BV	BV	BV	BV
Laboratory Work Order			C5E6301	C5E6301	C5E6301	C5E6301	C5E6301		C5E6301	C5E6301	C5E6301	C5E6301
Laboratory Sample ID			AXME88	AXME91	AXME96	AXMF00	AXMF01		AXMF03	AXMF07	AXMF13	AXMF16
Sample Type	Units	Ontario SCS					Field Duplicate	RPD (%)				
General Chemistry												
Available (CaCl2) pH	S.U.	5-9/5-11$_{s12}$[A]	7.03	7.64	7.44	7.78	7.89	nc	7.35	7.88	7.59	7.97
Cyanide (Free)	µg/g	0.051[A]	<0.01	<0.01	<0.01	<0.01	<0.01	nc	<0.01	<0.01	<0.01	<0.01
Electrical Conductivity, Lab	mS/cm	1.4[A]	0.042	0.093	0.081	0.69	0.58	**17%**	0.057	0.10	0.14	0.26
Moisture Content	%	n/v	8.3	7.1	7.6	31	30	3%	8.2	21	17	30
Sodium Adsorption Ratio (SAR)	none	12[A]	0.44 SDC	0.34 SDC	0.40 SDC	6.5	6.1	nc	0.39 SDC	0.96	0.49	1.9
Physical Properties												
Grain Size	%	n/v	COARSE	-	COARSE	-	-	-	-	-	-	-
Sieve - #200 (<0.075mm)	%	n/v	10	-	12	-	-	-	-	-	-	-
Sieve - #200 (>0.075mm)	%	n/v	90	-	88	-	-	-	-	-	-	-
BTEX and Petroleum Hydrocarbons												
Benzene	µg/g	0.32[A]	<0.020	<0.020	<0.020	<0.020	<0.020	nc	<0.020	<0.020	<0.020	<0.020
Toluene	µg/g	6.4[A]	<0.020	<0.020	<0.020	<0.020	<0.020	nc	<0.020	<0.020	<0.020	<0.020
Ethylbenzene	µg/g	1.1[A]	<0.020	<0.020	<0.020	<0.020	<0.020	nc	<0.020	<0.020	<0.020	<0.020
Xylene, m & p-	µg/g	[A]$_{s1}$	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040	<0.040	<0.040
Xylene, o-	µg/g	[A]$_{s1}$	<0.020	<0.020	<0.020	<0.020	<0.020	nc	<0.020	<0.020	<0.020	<0.020
Xylenes, Total	µg/g	26$_{s1}$[A]	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040	<0.040	<0.040
PHC F1 (C6-C10 range)	µg/g	[A]$_{s7}$	<10	<10	<10	<10	<10	nc	<10	<10	<10	<10
PHC F1 (C6-C10 range) minus BTEX	µg/g	55$_{s7}$[A]	<10	<10	<10	<10	<10	nc	<10	<10	<10	<10
PHC F2 (>C10-C16 range)	µg/g	230$_{s15}$[A]	<7.0	<7.0	<7.0	<7.0	<7.0	nc	<7.0	<7.0	<7.0	<7.0
PHC F3 (>C16-C34 range)	µg/g	1,700$_{s8}$[A]	<50	<50	<50	<50	<50	nc	<50	<50	<50	<50
PHC F4 (>C34-C50 range)	µg/g	3,300$_{s10}$[A]	<50	<50	<50	<50	<50	nc	<50	<50	<50	<50
Chromatogram to baseline at C50	none	n/v	YES	YES	YES	YES	YES	nc	YES	YES	YES	YES
Metals												
Antimony	µg/g	40[A]	<0.20	<0.20	<0.20	<0.20	<0.20	nc	<0.20	<0.20	<0.20	<0.20
Arsenic	µg/g	18[A]	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	1.1
Barium	µg/g	670[A]	26	26	16	66	46	**36%**	20	48	25	88
Beryllium	µg/g	8[A]	<0.20	<0.20	<0.20	<0.20	<0.20	nc	<0.20	0.20	<0.20	0.24
Boron	µg/g	120$_{s16}$[A]	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0
Boron (Available)	µg/g	2$_{s16}$[A]	<0.050	<0.050	<0.050	<0.050	<0.050	nc	0.078	<0.050	0.060	<0.050
Cadmium	µg/g	1.9[A]	<0.10	<0.10	<0.10	<0.10	<0.10	nc	<0.10	<0.10	<0.10	<0.10
Chromium	µg/g	160[A]	9.8	11	9.6	15	13	14%	9.6	12	11	19
Chromium (Hexavalent)	µg/g	8[A]	<0.18	<0.18	<0.18	<0.18	<0.18	nc	<0.18	<0.18	<0.18	<0.18
Cobalt	µg/g	80[A]	2.9	3.3	2.7	4.8	4.1	16%	2.6	4.8	3.2	6.1
Copper	µg/g	230[A]	2.9	7.8	4.0	9.5	8.2	15%	2.3	8.3	6.2	13
Lead	µg/g	120[A]	2.0	1.8	1.7	2.3	2.0	nc	1.9	2.5	2.4	3.3
Mercury	µg/g	3.9[A]	<0.050	<0.050	<0.050	<0.050	<0.050	nc	<0.050	<0.050	<0.050	<0.050
Molybdenum	µg/g	40[A]	<0.50	0.67	<0.50	<0.50	<0.50	nc	<0.50	<0.50	0.66	<0.50
Nickel	µg/g	270[A]	5.3	5.6	4.2	9.1	7.2	23%	4.8	8.1	5.2	12
Selenium	µg/g	5.5[A]	<0.50	<0.50	<0.50	<0.50	<0.50	nc	<0.50	<0.50	<0.50	<0.50
Silver	µg/g	40[A]	<0.20	<0.20	<0.20	<0.20	<0.20	nc	<0.20	<0.20	<0.20	<0.20
Thallium	µg/g	3.3[A]	<0.050	<0.050	<0.050	0.069	0.055	nc	<0.050	0.064	<0.050	0.099
Uranium	µg/g	33[A]	0.48	0.44	0.56	0.39	0.43	10%	0.48	0.47	0.53	0.69
Vanadium	µg/g	86[A]	22	22	25	22	20	nc	23	21	22	32
Zinc	µg/g	340[A]	9.9	14	8.9	22	18	nc	10	17	12	31
Pesticides, Herbicides & PCBs												
Aldrin	µg/g	0.088[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Aroclor 1242	µg/g	[A]$_{s14}$	<0.015	<0.015	<0.015	<0.030	<0.015	nc	<0.015	<0.015	<0.015	<0.030
Aroclor 1248	µg/g	[A]$_{s14}$	<0.015	<0.015	<0.015	<0.030	<0.015	nc	<0.015	<0.015	<0.015	<0.030
Aroclor 1254	µg/g	[A]$_{s14}$	<0.015	<0.015	<0.015	<0.030	<0.015	nc	<0.015	<0.015	<0.015	<0.030
Aroclor 1260	µg/g	[A]$_{s14}$	<0.015	<0.015	<0.015	<0.030	<0.015	nc	<0.015	<0.015	<0.015	<0.030
Chlordane (Total)	µg/g	0.05[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Chlordane, alpha-	µg/g	n/v	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Chlordane, gamma-	µg/g	n/v	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
DDD (p,p'-DDD)	µg/g	4.6$_{s4}$[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
DDD, o,p'-	µg/g	n/v	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
DDD, o,p'- + DDD, p,p'-	µg/g	4.6[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
DDE (p,p'-DDE)	µg/g	0.52$_{s4}$[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
DDE, o,p'-	µg/g	n/v	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
DDE, o,p'- + DDE, p,p'-	µg/g	0.52[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
DDT (p,p'-DDT)	µg/g	1.4$_{s4}$[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
DDT, o,p'-	µg/g	n/v	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
DDT, o,p'- + DDT, p,p'-	µg/g	1.4[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Dieldrin	µg/g	0.088[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Endosulfan	µg/g	0.3[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Endosulfan I	µg/g	n/v	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Endosulfan II	µg/g	n/v	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Endrin	µg/g	0.04[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Heptachlor	µg/g	0.19[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Heptachlor Epoxide	µg/g	0.05[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Hexachlorobenzene	µg/g	0.66[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/g	0.031[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Hexachloroethane	µg/g	0.21[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Lindane (Hexachlorocyclohexane, gamma)	µg/g	0.056[A]	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	nc	<0.0020	<0.0020	<0.0020	<0.0040
Methoxychlor (4,4'-Methoxychlor)	µg/g	1.6[A]	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.010
Polychlorinated Biphenyls (PCBs)	µg/g	1.1$_{s14}$[A]	<0.015	<0.015	<0.015	<0.030	<0.015	nc	<0.015	<0.015	<0.015	<0.030
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	µg/g	21[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Acenaphthylene	µg/g	0.15[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Anthracene	µg/g	0.67[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Benzo(a)anthracene	µg/g	0.96[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Benzo(a)pyrene	µg/g	0.3[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Benzo(b/j)fluoranthene	µg/g	0.96$_{s2}$[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Benzo(g,h,i)perylene	µg/g	9.6[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Benzo(k)fluoranthene	µg/g	0.96[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Chrysene	µg/g	9.6[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Dibenzo(a,h)anthracene	µg/g	0.1[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Fluoranthene	µg/g	9.6[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Fluorene	µg/g	62[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Indeno(1,2,3-cd)pyrene	µg/g	0.76[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Methylnaphthalene (Total)	µg/g	30$_{s3}$[A]	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	nc	<0.0071	<0.0071	<0.0071	<0.0071
Methylnaphthalene, 1-	µg/g	[A]$_{s3}$	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Methylnaphthalene, 2-	µg/g	[A]$_{s3}$	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Naphthalene	µg/g	9.6[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Phenanthrene	µg/g	12[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050
Pyrene	µg/g	96[A]	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	nc	<0.0050	<0.0050	<0.0050	<0.0050

Notes:

Ontario SCS	Soil, Ground Water and Sediment Standards for Use under Part XV.I of the Environmental Protection Act (MOE, 2011) Site Condition Standards (SCS)
A	Table 2 - Industrial / Commercial / Community Property Use - Coarse Textured Soils
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
<0.50	Laboratory reporting limit was greater than the applicable standard.
<0.03	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
s1	Standard is applicable to total xylenes, and m & p-xylenes and o-xylenes should be summed for comparison.
s2	Standard is for benzo(b)fluoranthene; however, the analytical laboratory can not distinguish between benzo(b)fluoranthene and benzo(j)fluoranthene, and therefore, the result is a combination of the two isomers, against which the standard has been compared.
s3	Standard is applicable to both 1-methylnaphthalene and 2-methylnaphthalene, with the provision that if both are detected the sum of the two must not exceed the standard.
s4	Standard is applicable to total sum of isomers, individual isomers must be summed for comparison.
s7	Standard is applicable to PHC in the F1 range minus BTEX.
s8	Standard is applicable to PHC in the F3 range, minus PAHs (other than naphthalene). If PAHs were not analyzed, the standard is applied to F3.
s10	If baseline is not reached during F4 analysis, then gravimetric analysis is to be performed, and the standard is applied to the higher of the two results.
s12	The criteria for pH in surface soils (0 to 1.5 m) is 5 - 9, whereas the criteria for pH in sub-surface soils (> 1.5 m depth) is 5 - 11.
s14	Standard is applicable to total PCBs, and the individual Aroclors should be added for comparison.
s15	Standard is applicable to PHC in the F2 range minus naphthalene. If naphthalene was not analyzed, the standard is applied to F2.
s16	For surface soil, the boron standard is for hot water soluble extract. For subsurface soil, the standard is for total boron (mixed strong acid digest), as ecological criteria are not considered.
SDC	Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.
RPD	Relative Percent Difference.
61%	RPD exceeds data quality objective of: 30% for PHCs and inorganics, 50% for VOCs, 40% for PAHs, PCBs and Pesticides and 10% for electrical conductivity
nc	RPD is not calculated if one or more values is non detect or if one or more values is less than five times the reportable detection limit.

Appendix E Laboratory Certificates of Analysis

Your Project #: 160923647
Your C.O.C. #: C#1068687-01-01

Attention: Cori Linetsky

Stantec Consulting Ltd
300-125 Commerce Valley Dr W
Markham, ON
CANADA L3T 7W4

Report Date: 2025/11/21
Report #: R8655967
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5E6301
Received: 2025/11/18, 10:00

Sample Matrix: Soil
Samples Received: 9

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	9	N/A	2025/11/21	CAM SOP-00301	EPA 8270D m
Hot Water Extractable Boron (1)	9	2025/11/20	2025/11/20	CAM SOP-00408	R153 Ana. Prot. 2011
Free (WAD) Cyanide (1)	9	2025/11/21	2025/11/21	CAM SOP-00457	OMOE E3015 m
Conductivity (1)	9	2025/11/21	2025/11/21	CAM SOP-00414	OMOE E3530 v1 m
Hexavalent Chromium in Soil by IC (1, 2)	9	2025/11/20	2025/11/21	CAM SOP-00436	EPA 3060A/7199 m
Petroleum Hydro. CCME F1 & BTEX in Soil (1, 3)	9	N/A	2025/11/20	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (1, 4)	9	2025/11/20	2025/11/20	CAM SOP-00316	CCME CWS m
Acid Extractable Metals by ICPMS (1)	9	2025/11/20	2025/11/20	CAM SOP-00447	EPA 6020B m
Moisture (1)	9	N/A	2025/11/19	CAM SOP-00445	Carter 2nd ed 70.2 m
OC Pesticides (Selected) & PCB (1, 5)	9	2025/11/20	2025/11/20	CAM SOP-00307	EPA 8081B/ 8082A
OC Pesticides Summed Parameters (1)	9	N/A	2025/11/20	CAM SOP-00307	EPA 8081B/ 8082A
PAH Compounds in Soil by GC/MS (SIM) (1)	9	2025/11/20	2025/11/20	CAM SOP-00318	EPA 8270E
pH CaCl2 EXTRACT (1)	9	2025/11/21	2025/11/21	CAM SOP-00413	EPA 9045 D m
Sieve, 75um (1)	2	N/A	2025/11/21	CAM SOP-00467	ASTM D1140 -17 m
Sodium Adsorption Ratio (SAR) (1)	9	N/A	2025/11/21	CAM SOP-00102	EPA 6010C

Remarks:

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

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

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.

Your Project #: 160923647
Your C.O.C. #: C#1068687-01-01

Attention: Cori Linetsky

Stantec Consulting Ltd
300-125 Commerce Valley Dr W
Markham, ON
CANADA L3T 7W4

Report Date: 2025/11/21
Report #: R8655967
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5E6301

Received: 2025/11/18, 10:00

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

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

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

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

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

(3) 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.

(4) 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.

(5) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Julie Clement, Technical Account Manager
Email: Julie.CLEMENT@bureauveritas.com
Phone# (613)868-6079

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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.

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID		AXME88	AXME91	AXME96		AXMF00		
Sampling Date		2025/11/17 09:30	2025/11/17 09:50	2025/11/17 10:20		2025/11/17 10:30		
COC Number		C#1068687-01-01	C#1068687-01-01	C#1068687-01-01		C#1068687-01-01		
	UNITS	**BH25-01-2**	**BH25-01-5**	**BH25-02-2**	**QC Batch**	**BH25-02-6**	**RDL**	**QC Batch**
Calculated Parameters								
Sodium Adsorption Ratio	N/A	0.44 (1)	0.34 (1)	0.40 (1)	A057191	6.5		A057191
Inorganics								
Conductivity	mS/cm	0.042	0.093	0.081	A058827	0.69	0.002	A058827
Available (CaCl2) pH	pH	7.03	7.64	7.44	A058979	7.78		A058979
WAD Cyanide (Free)	ug/g	<0.01	<0.01	<0.01	A058816	<0.01	0.01	A058816
Chromium (VI)	ug/g	<0.18	<0.18	<0.18	A058277	<0.18	0.18	A058277
Metals								
Hot Water Ext. Boron (B)	ug/g	<0.050	<0.050	<0.050	A058534	<0.050	0.050	A058454
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	<0.20	A058537	<0.20	0.20	A058456
Acid Extractable Arsenic (As)	ug/g	<1.0	<1.0	<1.0	A058537	<1.0	1.0	A058456
Acid Extractable Barium (Ba)	ug/g	26	26	16	A058537	66	0.50	A058456
Acid Extractable Beryllium (Be)	ug/g	<0.20	<0.20	<0.20	A058537	<0.20	0.20	A058456
Acid Extractable Boron (B)	ug/g	<5.0	<5.0	<5.0	A058537	<5.0	5.0	A058456
Acid Extractable Cadmium (Cd)	ug/g	<0.10	<0.10	<0.10	A058537	<0.10	0.10	A058456
Acid Extractable Chromium (Cr)	ug/g	9.8	11	9.6	A058537	15	1.0	A058456
Acid Extractable Cobalt (Co)	ug/g	2.9	3.3	2.7	A058537	4.8	0.10	A058456
Acid Extractable Copper (Cu)	ug/g	2.9	7.8	4.0	A058537	9.5	0.50	A058456
Acid Extractable Lead (Pb)	ug/g	2.0	1.8	1.7	A058537	2.3	1.0	A058456
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	0.67	<0.50	A058537	<0.50	0.50	A058456
Acid Extractable Nickel (Ni)	ug/g	5.3	5.6	4.2	A058537	9.1	0.50	A058456
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	<0.50	A058537	<0.50	0.50	A058456
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	<0.20	A058537	<0.20	0.20	A058456
Acid Extractable Thallium (Tl)	ug/g	<0.050	<0.050	<0.050	A058537	0.069	0.050	A058456
Acid Extractable Uranium (U)	ug/g	0.48	0.44	0.56	A058537	0.39	0.050	A058456
Acid Extractable Vanadium (V)	ug/g	22	22	25	A058537	22	5.0	A058456
Acid Extractable Zinc (Zn)	ug/g	9.9	14	8.9	A058537	22	5.0	A058456
Acid Extractable Mercury (Hg)	ug/g	<0.050	<0.050	<0.050	A058537	<0.050	0.050	A058456

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

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID		AXMF01	AXMF03	AXMF07	AXMF13		
Sampling Date		2025/11/17 10:30	2025/11/17 11:35	2025/11/17 11:50	2025/11/17 11:05		
COC Number		C#1068687-01-01	C#1068687-01-01	C#1068687-01-01	C#1068687-01-01		
	UNITS	**QC-01**	**BH25-03-1**	**BH25-03-5**	**BH25-04-4**	**RDL**	**QC Batch**
Calculated Parameters							
Sodium Adsorption Ratio	N/A	6.1	0.39 (1)	0.96	0.49		A057191
Inorganics							
Conductivity	mS/cm	0.58	0.057	0.10	0.14	0.002	A058827
Available (CaCl2) pH	pH	7.89	7.35	7.88	7.59		A058979
WAD Cyanide (Free)	ug/g	<0.01	<0.01	<0.01	<0.01	0.01	A058816
Chromium (VI)	ug/g	<0.18	<0.18	<0.18	<0.18	0.18	A058277
Metals							
Hot Water Ext. Boron (B)	ug/g	<0.050	0.078	<0.050	0.060	0.050	A058534
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	<0.20	<0.20	0.20	A058537
Acid Extractable Arsenic (As)	ug/g	<1.0	<1.0	<1.0	<1.0	1.0	A058537
Acid Extractable Barium (Ba)	ug/g	46	20	48	25	0.50	A058537
Acid Extractable Beryllium (Be)	ug/g	<0.20	<0.20	0.20	<0.20	0.20	A058537
Acid Extractable Boron (B)	ug/g	<5.0	<5.0	<5.0	<5.0	5.0	A058537
Acid Extractable Cadmium (Cd)	ug/g	<0.10	<0.10	<0.10	<0.10	0.10	A058537
Acid Extractable Chromium (Cr)	ug/g	13	9.6	12	11	1.0	A058537
Acid Extractable Cobalt (Co)	ug/g	4.1	2.6	4.8	3.2	0.10	A058537
Acid Extractable Copper (Cu)	ug/g	8.2	2.3	8.3	6.2	0.50	A058537
Acid Extractable Lead (Pb)	ug/g	2.0	1.9	2.5	2.4	1.0	A058537
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	<0.50	<0.50	0.66	0.50	A058537
Acid Extractable Nickel (Ni)	ug/g	7.2	4.8	8.1	5.2	0.50	A058537
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	<0.50	<0.50	0.50	A058537
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	<0.20	<0.20	0.20	A058537
Acid Extractable Thallium (Tl)	ug/g	0.055	<0.050	0.064	<0.050	0.050	A058537
Acid Extractable Uranium (U)	ug/g	0.43	0.48	0.47	0.53	0.050	A058537
Acid Extractable Vanadium (V)	ug/g	20	23	21	22	5.0	A058537
Acid Extractable Zinc (Zn)	ug/g	18	10	17	12	5.0	A058537
Acid Extractable Mercury (Hg)	ug/g	<0.050	<0.050	<0.050	<0.050	0.050	A058537

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

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID		AXMF16		
Sampling Date		2025/11/17 11:15		
COC Number		C#1068687-01-01		
	UNITS	**BH25-04-7**	**RDL**	**QC Batch**
Calculated Parameters				
Sodium Adsorption Ratio	N/A	1.9		A057191
Inorganics				
Conductivity	mS/cm	0.26	0.002	A058827
Available (CaCl2) pH	pH	7.97		A058979
WAD Cyanide (Free)	ug/g	<0.01	0.01	A058816
Chromium (VI)	ug/g	<0.18	0.18	A058277
Metals				
Hot Water Ext. Boron (B)	ug/g	<0.050	0.050	A058534
Acid Extractable Antimony (Sb)	ug/g	<0.20	0.20	A058537
Acid Extractable Arsenic (As)	ug/g	1.1	1.0	A058537
Acid Extractable Barium (Ba)	ug/g	88	0.50	A058537
Acid Extractable Beryllium (Be)	ug/g	0.24	0.20	A058537
Acid Extractable Boron (B)	ug/g	<5.0	5.0	A058537
Acid Extractable Cadmium (Cd)	ug/g	<0.10	0.10	A058537
Acid Extractable Chromium (Cr)	ug/g	19	1.0	A058537
Acid Extractable Cobalt (Co)	ug/g	6.1	0.10	A058537
Acid Extractable Copper (Cu)	ug/g	13	0.50	A058537
Acid Extractable Lead (Pb)	ug/g	3.3	1.0	A058537
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	0.50	A058537
Acid Extractable Nickel (Ni)	ug/g	12	0.50	A058537
Acid Extractable Selenium (Se)	ug/g	<0.50	0.50	A058537
Acid Extractable Silver (Ag)	ug/g	<0.20	0.20	A058537
Acid Extractable Thallium (Tl)	ug/g	0.099	0.050	A058537
Acid Extractable Uranium (U)	ug/g	0.69	0.050	A058537
Acid Extractable Vanadium (V)	ug/g	32	5.0	A058537
Acid Extractable Zinc (Zn)	ug/g	31	5.0	A058537
Acid Extractable Mercury (Hg)	ug/g	<0.050	0.050	A058537

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID		AXME88	AXME91			AXME91		
Sampling Date		2025/11/17 09:30	2025/11/17 09:50			2025/11/17 09:50		
COC Number		C#1068687-01-01	C#1068687-01-01			C#1068687-01-01		
	UNITS	**BH25-01-2**	**BH25-01-5**	**RDL**	**QC Batch**	**BH25-01-5 Lab-Dup**	**RDL**	**QC Batch**
Calculated Parameters								
Chlordane (Total)	ug/g	<0.0020	<0.0020	0.0020	A057190			
o,p-DDD + p,p-DDD	ug/g	<0.0020	<0.0020	0.0020	A057190			
o,p-DDE + p,p-DDE	ug/g	<0.0020	<0.0020	0.0020	A057190			
o,p-DDT + p,p-DDT	ug/g	<0.0020	<0.0020	0.0020	A057190			
Total Endosulfan	ug/g	<0.0020	<0.0020	0.0020	A057190			
Total PCB	ug/g	<0.015	<0.015	0.015	A057190			
Pesticides & Herbicides								
Aldrin	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
a-Chlordane	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
g-Chlordane	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
o,p-DDD	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
p,p-DDD	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
o,p-DDE	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
p,p-DDE	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
o,p-DDT	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
p,p-DDT	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
Dieldrin	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
Lindane	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
Endosulfan I (alpha)	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
Endosulfan II (beta)	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
Endrin	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
Heptachlor	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
Heptachlor epoxide	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
Hexachlorobenzene	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
Hexachlorobutadiene	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
Hexachloroethane	ug/g	<0.0020	<0.0020	0.0020	A057897	<0.0020	0.0020	A057897
Methoxychlor	ug/g	<0.0050	<0.0050	0.0050	A057897	<0.0050	0.0050	A057897
Aroclor 1242	ug/g	<0.015	<0.015	0.015	A057897	<0.015	0.015	A057897
Aroclor 1248	ug/g	<0.015	<0.015	0.015	A057897	<0.015	0.015	A057897
Aroclor 1254	ug/g	<0.015	<0.015	0.015	A057897	<0.015	0.015	A057897
Aroclor 1260	ug/g	<0.015	<0.015	0.015	A057897	<0.015	0.015	A057897

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

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID		AXME88	AXME91			AXME91		
Sampling Date		2025/11/17 09:30	2025/11/17 09:50			2025/11/17 09:50		
COC Number		C#1068687-01-01	C#1068687-01-01			C#1068687-01-01		
	UNITS	**BH25-01-2**	**BH25-01-5**	**RDL**	**QC Batch**	**BH25-01-5 Lab-Dup**	**RDL**	**QC Batch**
Surrogate Recovery (%)								
2,4,5,6-Tetrachloro-m-xylene	%	95	78		A057897	89		A057897
Decachlorobiphenyl	%	96	79		A057897	99		A057897

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

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID		AXME96		AXMF00		AXMF01	AXMF03		
Sampling Date		2025/11/17 10:20		2025/11/17 10:30		2025/11/17 10:30	2025/11/17 11:35		
COC Number		C#1068687-01-01		C#1068687-01-01		C#1068687-01-01	C#1068687-01-01		
	UNITS	**BH25-02-2**	**RDL**	**BH25-02-6**	**RDL**	**QC-01**	**BH25-03-1**	**RDL**	**QC Batch**
Calculated Parameters									
Chlordane (Total)	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057190
o,p-DDD + p,p-DDD	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057190
o,p-DDE + p,p-DDE	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057190
o,p-DDT + p,p-DDT	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057190
Total Endosulfan	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057190
Total PCB	ug/g	<0.015	0.015	<0.030	0.030	<0.015	<0.015	0.015	A057190
Pesticides & Herbicides									
Aldrin	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
a-Chlordane	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
g-Chlordane	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
o,p-DDD	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
p,p-DDD	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
o,p-DDE	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
p,p-DDE	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
o,p-DDT	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
p,p-DDT	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
Dieldrin	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
Lindane	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
Endosulfan I (alpha)	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
Endosulfan II (beta)	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
Endrin	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
Heptachlor	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
Heptachlor epoxide	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
Hexachlorobenzene	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
Hexachlorobutadiene	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
Hexachloroethane	ug/g	<0.0020	0.0020	<0.0040	0.0040	<0.0020	<0.0020	0.0020	A057897
Methoxychlor	ug/g	<0.0050	0.0050	<0.010	0.010	<0.0050	<0.0050	0.0050	A057897
Aroclor 1242	ug/g	<0.015	0.015	<0.030	0.030	<0.015	<0.015	0.015	A057897
Aroclor 1248	ug/g	<0.015	0.015	<0.030	0.030	<0.015	<0.015	0.015	A057897
Aroclor 1254	ug/g	<0.015	0.015	<0.030	0.030	<0.015	<0.015	0.015	A057897
Aroclor 1260	ug/g	<0.015	0.015	<0.030	0.030	<0.015	<0.015	0.015	A057897

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID		AXME96		AXMF00		AXMF01	AXMF03		
Sampling Date		2025/11/17 10:20		2025/11/17 10:30		2025/11/17 10:30	2025/11/17 11:35		
COC Number		C#1068687-01-01		C#1068687-01-01		C#1068687-01-01	C#1068687-01-01		
	UNITS	**BH25-02-2**	**RDL**	**BH25-02-6**	**RDL**	**QC-01**	**BH25-03-1**	**RDL**	**QC Batch**
Surrogate Recovery (%)									
2,4,5,6-Tetrachloro-m-xylene	%	93		97		87	91		A057897
Decachlorobiphenyl	%	86		92		87	105		A057897

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID		AXMF07	AXMF13		AXMF16		
Sampling Date		2025/11/17 11:50	2025/11/17 11:05		2025/11/17 11:15		
COC Number		C#1068687-01-01	C#1068687-01-01		C#1068687-01-01		
	UNITS	**BH25-03-5**	**BH25-04-4**	**RDL**	**BH25-04-7**	**RDL**	**QC Batch**
Calculated Parameters							
Chlordane (Total)	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057190
o,p-DDD + p,p-DDD	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057190
o,p-DDE + p,p-DDE	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057190
o,p-DDT + p,p-DDT	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057190
Total Endosulfan	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057190
Total PCB	ug/g	<0.015	<0.015	0.015	<0.030	0.030	A057190
Pesticides & Herbicides							
Aldrin	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
a-Chlordane	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
g-Chlordane	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
o,p-DDD	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
p,p-DDD	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
o,p-DDE	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
p,p-DDE	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
o,p-DDT	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
p,p-DDT	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
Dieldrin	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
Lindane	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
Endosulfan I (alpha)	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
Endosulfan II (beta)	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
Endrin	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
Heptachlor	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
Heptachlor epoxide	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
Hexachlorobenzene	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
Hexachlorobutadiene	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
Hexachloroethane	ug/g	<0.0020	<0.0020	0.0020	<0.0040	0.0040	A057897
Methoxychlor	ug/g	<0.0050	<0.0050	0.0050	<0.010	0.010	A057897
Aroclor 1242	ug/g	<0.015	<0.015	0.015	<0.030	0.030	A057897
Aroclor 1248	ug/g	<0.015	<0.015	0.015	<0.030	0.030	A057897
Aroclor 1254	ug/g	<0.015	<0.015	0.015	<0.030	0.030	A057897
Aroclor 1260	ug/g	<0.015	<0.015	0.015	<0.030	0.030	A057897

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID		AXMF07	AXMF13		AXMF16		
Sampling Date		2025/11/17 11:50	2025/11/17 11:05		2025/11/17 11:15		
COC Number		C#1068687-01-01	C#1068687-01-01		C#1068687-01-01		
	UNITS	**BH25-03-5**	**BH25-04-4**	**RDL**	**BH25-04-7**	**RDL**	**QC Batch**
Surrogate Recovery (%)							
2,4,5,6-Tetrachloro-m-xylene	%	86	89		91		A057897
Decachlorobiphenyl	%	91	101		95		A057897

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 PAHS (SOIL)

Bureau Veritas ID		AXME88	AXME91	AXME96	AXMF00	AXMF01		
Sampling Date		2025/11/17 09:30	2025/11/17 09:50	2025/11/17 10:20	2025/11/17 10:30	2025/11/17 10:30		
COC Number		C#1068687-01-01	C#1068687-01-01	C#1068687-01-01	C#1068687-01-01	C#1068687-01-01		
	UNITS	**BH25-01-2**	**BH25-01-5**	**BH25-02-2**	**BH25-02-6**	**QC-01**	**RDL**	**QC Batch**
Calculated Parameters								
Methylnaphthalene, 2-(1-)	ug/g	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	0.0071	A057192
Polyaromatic Hydrocarbons								
Acenaphthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Acenaphthylene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Anthracene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Benzo(a)anthracene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Benzo(a)pyrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Benzo(b/j)fluoranthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Benzo(g,h,i)perylene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Benzo(k)fluoranthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Chrysene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Dibenzo(a,h)anthracene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Fluoranthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Fluorene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Indeno(1,2,3-cd)pyrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
1-Methylnaphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
2-Methylnaphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Naphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Phenanthrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Pyrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Surrogate Recovery (%)								
D10-Anthracene	%	115	119	111	116	113		A057901
D14-Terphenyl (FS)	%	106	108	108	106	111		A057901
D8-Acenaphthylene	%	81	81	76	77	76		A057901

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 PAHS (SOIL)

Bureau Veritas ID		AXMF03	AXMF07	AXMF13	AXMF16		
Sampling Date		2025/11/17 11:35	2025/11/17 11:50	2025/11/17 11:05	2025/11/17 11:15		
COC Number		C#1068687-01-01	C#1068687-01-01	C#1068687-01-01	C#1068687-01-01		
	UNITS	**BH25-03-1**	**BH25-03-5**	**BH25-04-4**	**BH25-04-7**	**RDL**	**QC Batch**
Calculated Parameters							
Methylnaphthalene, 2-(1-)	ug/g	<0.0071	<0.0071	<0.0071	<0.0071	0.0071	A057192
Polyaromatic Hydrocarbons							
Acenaphthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Acenaphthylene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Anthracene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Benzo(a)anthracene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Benzo(a)pyrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Benzo(b/j)fluoranthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Benzo(g,h,i)perylene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Benzo(k)fluoranthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Chrysene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Dibenzo(a,h)anthracene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Fluoranthene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Fluorene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Indeno(1,2,3-cd)pyrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
1-Methylnaphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
2-Methylnaphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Naphthalene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Phenanthrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Pyrene	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	A057901
Surrogate Recovery (%)							
D10-Anthracene	%	112	108	112	113		A057901
D14-Terphenyl (FS)	%	106	103	109	103		A057901
D8-Acenaphthylene	%	83	71	73	79		A057901

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 PHCS, BTEX/F1-F4 (SOIL)

Bureau Veritas ID		AXME88	AXME91	AXME96	AXMF00	AXMF01		
Sampling Date		2025/11/17 09:30	2025/11/17 09:50	2025/11/17 10:20	2025/11/17 10:30	2025/11/17 10:30		
COC Number		C#1068687-01-01	C#1068687-01-01	C#1068687-01-01	C#1068687-01-01	C#1068687-01-01		
	UNITS	**BH25-01-2**	**BH25-01-5**	**BH25-02-2**	**BH25-02-6**	**QC-01**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons								
Benzene	ug/g	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	A057960
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	A057960
Ethylbenzene	ug/g	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	A057960
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	A057960
p+m-Xylene	ug/g	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	A057960
Total Xylenes	ug/g	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	A057960
F1 (C6-C10)	ug/g	<10	<10	<10	<10	<10	10	A057960
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	<10	10	A057960
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	<7.0	<7.0	<7.0	<7.0	7.0	A057900
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	<50	<50	<50	50	A057900
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	<50	<50	<50	50	A057900
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes	Yes		A057900
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	106	108	110	110	109		A057960
4-Bromofluorobenzene	%	98	97	96	96	97		A057960
D10-o-Xylene	%	105	102	109	113	104		A057960
D4-1,2-Dichloroethane	%	93	91	91	92	90		A057960
o-Terphenyl	%	97	94	98	100	100		A057900

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 PHCS, BTEX/F1-F4 (SOIL)

Bureau Veritas ID		AXMF03	AXMF07	AXMF13	AXMF16		
Sampling Date		2025/11/17 11:35	2025/11/17 11:50	2025/11/17 11:05	2025/11/17 11:15		
COC Number		C#1068687-01-01	C#1068687-01-01	C#1068687-01-01	C#1068687-01-01		
	UNITS	**BH25-03-1**	**BH25-03-5**	**BH25-04-4**	**BH25-04-7**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons							
Benzene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	A057960
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	A057960
Ethylbenzene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	A057960
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	A057960
p+m-Xylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A057960
Total Xylenes	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A057960
F1 (C6-C10)	ug/g	<10	<10	<10	<10	10	A057960
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	10	A057960
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	<7.0	<7.0	<7.0	7.0	A057900
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	A057900
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	A057900
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes		A057900
Surrogate Recovery (%)							
1,4-Difluorobenzene	%	109	109	111	107		A057960
4-Bromofluorobenzene	%	96	96	96	97		A057960
D10-o-Xylene	%	101	103	102	108		A057960
D4-1,2-Dichloroethane	%	91	90	93	94		A057960
o-Terphenyl	%	99	101	103	102		A057900

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 PHCS, BTEX/F1-F4 (SOIL)

Bureau Veritas ID		AXMF16		
Sampling Date		2025/11/17 11:15		
COC Number		C#1068687-01-01		
	UNITS	**BH25-04-7 Lab-Dup**	**RDL**	**QC Batch**
F2-F4 Hydrocarbons				
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	7.0	A057900
F3 (C16-C34 Hydrocarbons)	ug/g	<50	50	A057900
F4 (C34-C50 Hydrocarbons)	ug/g	<50	50	A057900
Reached Baseline at C50	ug/g	Yes		A057900
Surrogate Recovery (%)				
o-Terphenyl	%	101		A057900

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

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		AXME88			AXME91			AXME96		
Sampling Date		2025/11/17 09:30			2025/11/17 09:50			2025/11/17 10:20		
COC Number		C#1068687-01-01			C#1068687-01-01			C#1068687-01-01		
	UNITS	**BH25-01-2**	**RDL**	**QC Batch**	**BH25-01-5**	**RDL**	**QC Batch**	**BH25-02-2**	**RDL**	**QC Batch**
Inorganics										
Moisture	%	8.3	1.0	A057738	7.1	1.0	A057738	7.6	1.0	A057738
Miscellaneous Parameters										
Grain Size	%	COARSE	N/A	A058510				COARSE	N/A	A058510
Sieve - #200 (<0.075mm)	%	10	1	A058510				12	1	A058510
Sieve - #200 (>0.075mm)	%	90	1	A058510				88	1	A058510

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

Bureau Veritas ID		AXMF00		AXMF01	AXMF01		AXMF03		
Sampling Date		2025/11/17 10:30		2025/11/17 10:30	2025/11/17 10:30		2025/11/17 11:35		
COC Number		C#1068687-01-01		C#1068687-01-01	C#1068687-01-01		C#1068687-01-01		
	UNITS	**BH25-02-6**	**QC Batch**	**QC-01**	**QC-01 Lab-Dup**	**QC Batch**	**BH25-03-1**	**RDL**	**QC Batch**
Inorganics									
Moisture	%	31	A057738	30	31	A057700	8.2	1.0	A057738

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

Bureau Veritas ID		AXMF07	AXMF13	AXMF13	AXMF16		
Sampling Date		2025/11/17 11:50	2025/11/17 11:05	2025/11/17 11:05	2025/11/17 11:15		
COC Number		C#1068687-01-01	C#1068687-01-01	C#1068687-01-01	C#1068687-01-01		
	UNITS	**BH25-03-5**	**BH25-04-4**	**BH25-04-4 Lab-Dup**	**BH25-04-7**	**RDL**	**QC Batch**
Inorganics							
Moisture	%	21	17	17	30	1.0	A057738

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

TEST SUMMARY

Bureau Veritas ID: AXME88 **Collected:** 2025/11/17
Sample ID: BH25-01-2 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A057192	N/A	2025/11/21	Automated Statchk
Hot Water Extractable Boron	ICP	A058534	2025/11/20	2025/11/20	Gagandeep Rai
Free (WAD) Cyanide	TECH	A058816	2025/11/21	2025/11/21	Prgya Panchal
Conductivity	AT	A058827	2025/11/21	2025/11/21	Gurnoor Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	A058277	2025/11/20	2025/11/21	Sousan Besharatlou
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	A057960	N/A	2025/11/20	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A057900	2025/11/20	2025/11/20	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	A058537	2025/11/20	2025/11/20	Daniel Teclu
Moisture	BAL	A057738	N/A	2025/11/19	Angela Binny
OC Pesticides (Selected) & PCB	GC/ECD	A057897	2025/11/20	2025/11/20	Li Peng
OC Pesticides Summed Parameters	CALC	A057190	N/A	2025/11/20	Automated Statchk
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	A057901	2025/11/20	2025/11/20	Lingyun Feng
pH CaCl2 EXTRACT	AT	A058979	2025/11/21	2025/11/21	Surinder Rai
Sieve, 75um	SIEV	A058510	N/A	2025/11/21	Simranjit KAUR
Sodium Adsorption Ratio (SAR)	CALC/MET	A057191	N/A	2025/11/21	Automated Statchk

Bureau Veritas ID: AXME91 **Collected:** 2025/11/17
Sample ID: BH25-01-5 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A057192	N/A	2025/11/21	Automated Statchk
Hot Water Extractable Boron	ICP	A058534	2025/11/20	2025/11/20	Gagandeep Rai
Free (WAD) Cyanide	TECH	A058816	2025/11/21	2025/11/21	Prgya Panchal
Conductivity	AT	A058827	2025/11/21	2025/11/21	Gurnoor Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	A058277	2025/11/20	2025/11/21	Sousan Besharatlou
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	A057960	N/A	2025/11/20	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A057900	2025/11/20	2025/11/20	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	A058537	2025/11/20	2025/11/20	Daniel Teclu
Moisture	BAL	A057738	N/A	2025/11/19	Angela Binny
OC Pesticides (Selected) & PCB	GC/ECD	A057897	2025/11/20	2025/11/20	Li Peng
OC Pesticides Summed Parameters	CALC	A057190	N/A	2025/11/20	Automated Statchk
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	A057901	2025/11/20	2025/11/20	Lingyun Feng
pH CaCl2 EXTRACT	AT	A058979	2025/11/21	2025/11/21	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	A057191	N/A	2025/11/21	Automated Statchk

Bureau Veritas ID: AXME91 Dup **Collected:** 2025/11/17
Sample ID: BH25-01-5 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	A057897	2025/11/20	2025/11/20	Li Peng

TEST SUMMARY

Bureau Veritas ID: AXME96 **Collected:** 2025/11/17
Sample ID: BH25-02-2 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A057192	N/A	2025/11/21	Automated Statchk
Hot Water Extractable Boron	ICP	A058534	2025/11/20	2025/11/20	Gagandeep Rai
Free (WAD) Cyanide	TECH	A058816	2025/11/21	2025/11/21	Prgya Panchal
Conductivity	AT	A058827	2025/11/21	2025/11/21	Gurnoor Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	A058277	2025/11/20	2025/11/21	Sousan Besharatlou
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	A057960	N/A	2025/11/20	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A057900	2025/11/20	2025/11/20	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	A058537	2025/11/20	2025/11/20	Daniel Teclu
Moisture	BAL	A057738	N/A	2025/11/19	Angela Binny
OC Pesticides (Selected) & PCB	GC/ECD	A057897	2025/11/20	2025/11/20	Li Peng
OC Pesticides Summed Parameters	CALC	A057190	N/A	2025/11/20	Automated Statchk
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	A057901	2025/11/20	2025/11/20	Lingyun Feng
pH CaCl2 EXTRACT	AT	A058979	2025/11/21	2025/11/21	Surinder Rai
Sieve, 75um	SIEV	A058510	N/A	2025/11/21	Simranjit KAUR
Sodium Adsorption Ratio (SAR)	CALC/MET	A057191	N/A	2025/11/21	Automated Statchk

Bureau Veritas ID: AXMF00 **Collected:** 2025/11/17
Sample ID: BH25-02-6 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A057192	N/A	2025/11/21	Automated Statchk
Hot Water Extractable Boron	ICP	A058454	2025/11/20	2025/11/20	Gagandeep Rai
Free (WAD) Cyanide	TECH	A058816	2025/11/21	2025/11/21	Prgya Panchal
Conductivity	AT	A058827	2025/11/21	2025/11/21	Gurnoor Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	A058277	2025/11/20	2025/11/21	Sousan Besharatlou
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	A057960	N/A	2025/11/20	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A057900	2025/11/20	2025/11/20	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	A058456	2025/11/20	2025/11/20	Daniel Teclu
Moisture	BAL	A057738	N/A	2025/11/19	Angela Binny
OC Pesticides (Selected) & PCB	GC/ECD	A057897	2025/11/20	2025/11/20	Li Peng
OC Pesticides Summed Parameters	CALC	A057190	N/A	2025/11/20	Automated Statchk
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	A057901	2025/11/20	2025/11/20	Lingyun Feng
pH CaCl2 EXTRACT	AT	A058979	2025/11/21	2025/11/21	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	A057191	N/A	2025/11/21	Automated Statchk

Bureau Veritas ID: AXMF01 **Collected:** 2025/11/17
Sample ID: QC-01 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A057192	N/A	2025/11/21	Automated Statchk
Hot Water Extractable Boron	ICP	A058534	2025/11/20	2025/11/20	Gagandeep Rai
Free (WAD) Cyanide	TECH	A058816	2025/11/21	2025/11/21	Prgya Panchal
Conductivity	AT	A058827	2025/11/21	2025/11/21	Gurnoor Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	A058277	2025/11/20	2025/11/21	Sousan Besharatlou

TEST SUMMARY

Bureau Veritas ID: AXMF01 **Collected:** 2025/11/17
Sample ID: QC-01 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	A057960	N/A	2025/11/20	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A057900	2025/11/20	2025/11/20	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	A058537	2025/11/20	2025/11/20	Daniel Teclu
Moisture	BAL	A057700	N/A	2025/11/19	Angela Binny
OC Pesticides (Selected) & PCB	GC/ECD	A057897	2025/11/20	2025/11/20	Li Peng
OC Pesticides Summed Parameters	CALC	A057190	N/A	2025/11/20	Automated Statchk
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	A057901	2025/11/20	2025/11/20	Lingyun Feng
pH CaCl2 EXTRACT	AT	A058979	2025/11/21	2025/11/21	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	A057191	N/A	2025/11/21	Automated Statchk

Bureau Veritas ID: AXMF01 Dup **Collected:** 2025/11/17
Sample ID: QC-01 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	A057700	N/A	2025/11/19	Angela Binny

Bureau Veritas ID: AXMF03 **Collected:** 2025/11/17
Sample ID: BH25-03-1 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A057192	N/A	2025/11/21	Automated Statchk
Hot Water Extractable Boron	ICP	A058534	2025/11/20	2025/11/20	Gagandeep Rai
Free (WAD) Cyanide	TECH	A058816	2025/11/21	2025/11/21	Prgya Panchal
Conductivity	AT	A058827	2025/11/21	2025/11/21	Gurnoor Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	A058277	2025/11/20	2025/11/21	Sousan Besharatlou
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	A057960	N/A	2025/11/20	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A057900	2025/11/20	2025/11/20	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	A058537	2025/11/20	2025/11/20	Daniel Teclu
Moisture	BAL	A057738	N/A	2025/11/19	Angela Binny
OC Pesticides (Selected) & PCB	GC/ECD	A057897	2025/11/20	2025/11/20	Li Peng
OC Pesticides Summed Parameters	CALC	A057190	N/A	2025/11/20	Automated Statchk
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	A057901	2025/11/20	2025/11/20	Lingyun Feng
pH CaCl2 EXTRACT	AT	A058979	2025/11/21	2025/11/21	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	A057191	N/A	2025/11/21	Automated Statchk

Bureau Veritas ID: AXMF07 **Collected:** 2025/11/17
Sample ID: BH25-03-5 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A057192	N/A	2025/11/21	Automated Statchk
Hot Water Extractable Boron	ICP	A058534	2025/11/20	2025/11/20	Gagandeep Rai
Free (WAD) Cyanide	TECH	A058816	2025/11/21	2025/11/21	Prgya Panchal
Conductivity	AT	A058827	2025/11/21	2025/11/21	Gurnoor Kaur

TEST SUMMARY

Bureau Veritas ID: AXMF07 **Collected:** 2025/11/17
Sample ID: BH25-03-5 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hexavalent Chromium in Soil by IC	IC/SPEC	A058277	2025/11/20	2025/11/21	Sousan Besharatlou
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	A057960	N/A	2025/11/20	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A057900	2025/11/20	2025/11/20	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	A058537	2025/11/20	2025/11/20	Daniel Teclu
Moisture	BAL	A057738	N/A	2025/11/19	Angela Binny
OC Pesticides (Selected) & PCB	GC/ECD	A057897	2025/11/20	2025/11/20	Li Peng
OC Pesticides Summed Parameters	CALC	A057190	N/A	2025/11/20	Automated Statchk
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	A057901	2025/11/20	2025/11/20	Lingyun Feng
pH CaCl2 EXTRACT	AT	A058979	2025/11/21	2025/11/21	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	A057191	N/A	2025/11/21	Automated Statchk

Bureau Veritas ID: AXMF13 **Collected:** 2025/11/17
Sample ID: BH25-04-4 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A057192	N/A	2025/11/21	Automated Statchk
Hot Water Extractable Boron	ICP	A058534	2025/11/20	2025/11/20	Gagandeep Rai
Free (WAD) Cyanide	TECH	A058816	2025/11/21	2025/11/21	Prgya Panchal
Conductivity	AT	A058827	2025/11/21	2025/11/21	Gurnoor Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	A058277	2025/11/20	2025/11/21	Sousan Besharatlou
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	A057960	N/A	2025/11/20	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A057900	2025/11/20	2025/11/20	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	A058537	2025/11/20	2025/11/20	Daniel Teclu
Moisture	BAL	A057738	N/A	2025/11/19	Angela Binny
OC Pesticides (Selected) & PCB	GC/ECD	A057897	2025/11/20	2025/11/20	Li Peng
OC Pesticides Summed Parameters	CALC	A057190	N/A	2025/11/20	Automated Statchk
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	A057901	2025/11/20	2025/11/20	Lingyun Feng
pH CaCl2 EXTRACT	AT	A058979	2025/11/21	2025/11/21	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	A057191	N/A	2025/11/21	Automated Statchk

Bureau Veritas ID: AXMF13 Dup **Collected:** 2025/11/17
Sample ID: BH25-04-4 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	A057738	N/A	2025/11/19	Angela Binny

Bureau Veritas ID: AXMF16 **Collected:** 2025/11/17
Sample ID: BH25-04-7 **Shipped:**
Matrix: Soil **Received:** 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A057192	N/A	2025/11/21	Automated Statchk
Hot Water Extractable Boron	ICP	A058534	2025/11/20	2025/11/20	Gagandeep Rai
Free (WAD) Cyanide	TECH	A058816	2025/11/21	2025/11/21	Prgya Panchal

TEST SUMMARY

Bureau Veritas ID: AXMF16
Sample ID: BH25-04-7
Matrix: Soil

Collected: 2025/11/17
Shipped:
Received: 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	A058827	2025/11/21	2025/11/21	Gurnoor Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	A058277	2025/11/20	2025/11/21	Sousan Besharatlou
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	A057960	N/A	2025/11/20	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A057900	2025/11/20	2025/11/20	(Kent) Maolin Li
Acid Extractable Metals by ICPMS	ICP/MS	A058537	2025/11/20	2025/11/20	Daniel Teclu
Moisture	BAL	A057738	N/A	2025/11/19	Angela Binny
OC Pesticides (Selected) & PCB	GC/ECD	A057897	2025/11/20	2025/11/20	Li Peng
OC Pesticides Summed Parameters	CALC	A057190	N/A	2025/11/20	Automated Statchk
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	A057901	2025/11/20	2025/11/20	Lingyun Feng
pH CaCl2 EXTRACT	AT	A058979	2025/11/21	2025/11/21	Surinder Rai
Sodium Adsorption Ratio (SAR)	CALC/MET	A057191	N/A	2025/11/21	Automated Statchk

Bureau Veritas ID: AXMF16 Dup
Sample ID: BH25-04-7
Matrix: Soil

Collected: 2025/11/17
Shipped:
Received: 2025/11/18

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A057900	2025/11/20	2025/11/20	(Kent) Maolin Li

GENERAL COMMENTS

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

Package 1	5.7°C
Package 2	5.0°C
Package 3	4.0°C

Sample AXMF00 [BH25-02-6] : OC Pesticide Analysis: Detection limits were adjusted for high moisture content.

Sample AXMF16 [BH25-04-7] : OC Pesticide Analysis: Detection limits were adjusted for high moisture content.

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A057700	A2B	RPD [AXMF01-02]	Moisture	2025/11/19	4.0		%	20
A057738	A2B	RPD [AXMF13-02]	Moisture	2025/11/19	1.2		%	20
A057897	LPG	Matrix Spike [AXME91-02]	2,4,5,6-Tetrachloro-m-xylene	2025/11/21		66	%	50 - 130
			Decachlorobiphenyl	2025/11/21		54	%	50 - 130
			Aldrin	2025/11/21		71	%	50 - 130
			a-Chlordane	2025/11/21		68	%	50 - 130
			g-Chlordane	2025/11/21		88	%	50 - 130
			o,p-DDD	2025/11/21		74	%	50 - 130
			p,p-DDD	2025/11/21		78	%	50 - 130
			o,p-DDE	2025/11/21		77	%	50 - 130
			p,p-DDE	2025/11/21		96	%	50 - 130
			o,p-DDT	2025/11/21		81	%	50 - 130
			p,p-DDT	2025/11/21		81	%	50 - 130
			Dieldrin	2025/11/21		72	%	50 - 130
			Lindane	2025/11/21		66	%	50 - 130
			Endosulfan I (alpha)	2025/11/21		93	%	50 - 130
			Endosulfan II (beta)	2025/11/21		70	%	50 - 130
			Endrin	2025/11/21		73	%	50 - 130
			Heptachlor	2025/11/21		64	%	50 - 130
			Heptachlor epoxide	2025/11/21		66	%	50 - 130
			Hexachlorobenzene	2025/11/21		63	%	50 - 130
			Hexachlorobutadiene	2025/11/21		69	%	50 - 130
			Hexachloroethane	2025/11/21		53	%	50 - 130
			Methoxychlor	2025/11/21		104	%	50 - 130
A057897	LPG	Spiked Blank	2,4,5,6-Tetrachloro-m-xylene	2025/11/20		74	%	50 - 130
			Decachlorobiphenyl	2025/11/20		82	%	50 - 130
			Aldrin	2025/11/20		84	%	50 - 130
			a-Chlordane	2025/11/20		74	%	50 - 130
			g-Chlordane	2025/11/20		72	%	50 - 130
			o,p-DDD	2025/11/20		78	%	50 - 130
			p,p-DDD	2025/11/20		84	%	50 - 130
			o,p-DDE	2025/11/20		87	%	50 - 130
			p,p-DDE	2025/11/20		84	%	50 - 130
			o,p-DDT	2025/11/20		94	%	50 - 130
			p,p-DDT	2025/11/20		86	%	50 - 130
			Dieldrin	2025/11/20		80	%	50 - 130
			Lindane	2025/11/20		67	%	50 - 130
			Endosulfan I (alpha)	2025/11/20		77	%	50 - 130
			Endosulfan II (beta)	2025/11/20		73	%	50 - 130
			Endrin	2025/11/20		77	%	50 - 130
			Heptachlor	2025/11/20		81	%	50 - 130
			Heptachlor epoxide	2025/11/20		73	%	50 - 130
			Hexachlorobenzene	2025/11/20		73	%	50 - 130
			Hexachlorobutadiene	2025/11/20		86	%	50 - 130
			Hexachloroethane	2025/11/20		70	%	50 - 130
			Methoxychlor	2025/11/20		58	%	50 - 130
A057897	LPG	RPD	Aldrin	2025/11/20	14		%	40
			a-Chlordane	2025/11/20	19		%	40
			g-Chlordane	2025/11/20	14		%	40
			o,p-DDD	2025/11/20	16		%	40
			p,p-DDD	2025/11/20	19		%	40
			o,p-DDE	2025/11/20	14		%	40
			p,p-DDE	2025/11/20	15		%	40

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			o,p-DDT	2025/11/20	16		%	40
			p,p-DDT	2025/11/20	25		%	40
			Dieldrin	2025/11/20	14		%	40
			Lindane	2025/11/20	14		%	40
			Endosulfan I (alpha)	2025/11/20	13		%	40
			Endosulfan II (beta)	2025/11/20	17		%	40
			Endrin	2025/11/20	15		%	40
			Heptachlor	2025/11/20	13		%	40
			Heptachlor epoxide	2025/11/20	12		%	40
			Hexachlorobenzene	2025/11/20	16		%	40
			Hexachlorobutadiene	2025/11/20	13		%	40
			Hexachloroethane	2025/11/20	18		%	40
			Methoxychlor	2025/11/20	16		%	40
A057897	LPG	Method Blank	2,4,5,6-Tetrachloro-m-xylene	2025/11/20		82	%	50 - 130
			Decachlorobiphenyl	2025/11/20		89	%	50 - 130
			Aldrin	2025/11/20	<0.0020		ug/g	
			a-Chlordane	2025/11/20	<0.0020		ug/g	
			g-Chlordane	2025/11/20	<0.0020		ug/g	
			o,p-DDD	2025/11/20	<0.0020		ug/g	
			p,p-DDD	2025/11/20	<0.0020		ug/g	
			o,p-DDE	2025/11/20	<0.0020		ug/g	
			p,p-DDE	2025/11/20	<0.0020		ug/g	
			o,p-DDT	2025/11/20	<0.0020		ug/g	
			p,p-DDT	2025/11/20	<0.0020		ug/g	
			Dieldrin	2025/11/20	<0.0020		ug/g	
			Lindane	2025/11/20	<0.0020		ug/g	
			Endosulfan I (alpha)	2025/11/20	<0.0020		ug/g	
			Endosulfan II (beta)	2025/11/20	<0.0020		ug/g	
			Endrin	2025/11/20	<0.0020		ug/g	
			Heptachlor	2025/11/20	<0.0020		ug/g	
			Heptachlor epoxide	2025/11/20	<0.0020		ug/g	
			Hexachlorobenzene	2025/11/20	<0.0020		ug/g	
			Hexachlorobutadiene	2025/11/20	<0.0020		ug/g	
			Hexachloroethane	2025/11/20	<0.0020		ug/g	
			Methoxychlor	2025/11/20	<0.0050		ug/g	
			Aroclor 1242	2025/11/20	<0.015		ug/g	
			Aroclor 1248	2025/11/20	<0.015		ug/g	
			Aroclor 1254	2025/11/20	<0.015		ug/g	
			Aroclor 1260	2025/11/20	<0.015		ug/g	
A057897	LPG	RPD [AXME91-02]	Aldrin	2025/11/20	NC		%	40
			a-Chlordane	2025/11/20	NC		%	40
			g-Chlordane	2025/11/20	NC		%	40
			o,p-DDD	2025/11/20	NC		%	40
			p,p-DDD	2025/11/20	NC		%	40
			o,p-DDE	2025/11/20	NC		%	40
			p,p-DDE	2025/11/20	NC		%	40
			o,p-DDT	2025/11/20	NC		%	40
			p,p-DDT	2025/11/20	NC		%	40
			Dieldrin	2025/11/20	NC		%	40
			Lindane	2025/11/20	NC		%	40
			Endosulfan I (alpha)	2025/11/20	NC		%	40
			Endosulfan II (beta)	2025/11/20	NC		%	40
			Endrin	2025/11/20	NC		%	40
			Heptachlor	2025/11/20	NC		%	40

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Heptachlor epoxide	2025/11/20	NC		%	40
			Hexachlorobenzene	2025/11/20	NC		%	40
			Hexachlorobutadiene	2025/11/20	NC		%	40
			Hexachloroethane	2025/11/20	NC		%	40
			Methoxychlor	2025/11/20	NC		%	40
			Aroclor 1242	2025/11/20	NC		%	40
			Aroclor 1248	2025/11/20	NC		%	40
			Aroclor 1254	2025/11/20	NC		%	40
			Aroclor 1260	2025/11/20	NC		%	40
A057900	KLI	Matrix Spike [AXMF16-02]	o-Terphenyl	2025/11/20		99	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2025/11/20		95	%	60 - 140
			F3 (C16-C34 Hydrocarbons)	2025/11/20		99	%	60 - 140
			F4 (C34-C50 Hydrocarbons)	2025/11/20		100	%	60 - 140
A057900	KLI	Spiked Blank	o-Terphenyl	2025/11/20		97	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2025/11/20		92	%	80 - 120
			F3 (C16-C34 Hydrocarbons)	2025/11/20		96	%	80 - 120
			F4 (C34-C50 Hydrocarbons)	2025/11/20		96	%	80 - 120
A057900	KLI	Method Blank	o-Terphenyl	2025/11/20		99	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2025/11/20	<7.0		ug/g	
			F3 (C16-C34 Hydrocarbons)	2025/11/20	<50		ug/g	
			F4 (C34-C50 Hydrocarbons)	2025/11/20	<50		ug/g	
A057900	KLI	RPD [AXMF16-02]	F2 (C10-C16 Hydrocarbons)	2025/11/20	NC		%	30
			F3 (C16-C34 Hydrocarbons)	2025/11/20	NC		%	30
			F4 (C34-C50 Hydrocarbons)	2025/11/20	NC		%	30
A057901	LFE	Matrix Spike	D10-Anthracene	2025/11/20		110	%	50 - 130
			D14-Terphenyl (FS)	2025/11/20		104	%	50 - 130
			D8-Acenaphthylene	2025/11/20		82	%	50 - 130
			Acenaphthene	2025/11/20		86	%	50 - 130
			Acenaphthylene	2025/11/20		82	%	50 - 130
			Anthracene	2025/11/20		111	%	50 - 130
			Benzo(a)anthracene	2025/11/20		88	%	50 - 130
			Benzo(a)pyrene	2025/11/20		97	%	50 - 130
			Benzo(b/j)fluoranthene	2025/11/20		98	%	50 - 130
			Benzo(g,h,i)perylene	2025/11/20		103	%	50 - 130
			Benzo(k)fluoranthene	2025/11/20		101	%	50 - 130
			Chrysene	2025/11/20		85	%	50 - 130
			Dibenzo(a,h)anthracene	2025/11/20		103	%	50 - 130
			Fluoranthene	2025/11/20		111	%	50 - 130
			Fluorene	2025/11/20		92	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2025/11/20		113	%	50 - 130
			1-Methylnaphthalene	2025/11/20		83	%	50 - 130
			2-Methylnaphthalene	2025/11/20		84	%	50 - 130
			Naphthalene	2025/11/20		75	%	50 - 130
			Phenanthrene	2025/11/20		97	%	50 - 130
			Pyrene	2025/11/20		112	%	50 - 130
A057901	LFE	Spiked Blank	D10-Anthracene	2025/11/20		111	%	50 - 130
			D14-Terphenyl (FS)	2025/11/20		107	%	50 - 130
			D8-Acenaphthylene	2025/11/20		80	%	50 - 130
			Acenaphthene	2025/11/20		84	%	50 - 130
			Acenaphthylene	2025/11/20		79	%	50 - 130
			Anthracene	2025/11/20		111	%	50 - 130
			Benzo(a)anthracene	2025/11/20		88	%	50 - 130
			Benzo(a)pyrene	2025/11/20		97	%	50 - 130

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Benzo(b/j)fluoranthene	2025/11/20		100	%	50 - 130
			Benzo(g,h,i)perylene	2025/11/20		107	%	50 - 130
			Benzo(k)fluoranthene	2025/11/20		101	%	50 - 130
			Chrysene	2025/11/20		85	%	50 - 130
			Dibenzo(a,h)anthracene	2025/11/20		99	%	50 - 130
			Fluoranthene	2025/11/20		112	%	50 - 130
			Fluorene	2025/11/20		91	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2025/11/20		113	%	50 - 130
			1-Methylnaphthalene	2025/11/20		87	%	50 - 130
			2-Methylnaphthalene	2025/11/20		85	%	50 - 130
			Naphthalene	2025/11/20		82	%	50 - 130
			Phenanthrene	2025/11/20		97	%	50 - 130
			Pyrene	2025/11/20		114	%	50 - 130
A057901	LFE	Method Blank	D10-Anthracene	2025/11/20		112	%	50 - 130
			D14-Terphenyl (FS)	2025/11/20		112	%	50 - 130
			D8-Acenaphthylene	2025/11/20		84	%	50 - 130
			Acenaphthene	2025/11/20	<0.0050		ug/g	
			Acenaphthylene	2025/11/20	<0.0050		ug/g	
			Anthracene	2025/11/20	<0.0050		ug/g	
			Benzo(a)anthracene	2025/11/20	<0.0050		ug/g	
			Benzo(a)pyrene	2025/11/20	<0.0050		ug/g	
			Benzo(b/j)fluoranthene	2025/11/20	<0.0050		ug/g	
			Benzo(g,h,i)perylene	2025/11/20	<0.0050		ug/g	
			Benzo(k)fluoranthene	2025/11/20	<0.0050		ug/g	
			Chrysene	2025/11/20	<0.0050		ug/g	
			Dibenzo(a,h)anthracene	2025/11/20	<0.0050		ug/g	
			Fluoranthene	2025/11/20	<0.0050		ug/g	
			Fluorene	2025/11/20	<0.0050		ug/g	
			Indeno(1,2,3-cd)pyrene	2025/11/20	<0.0050		ug/g	
			1-Methylnaphthalene	2025/11/20	<0.0050		ug/g	
			2-Methylnaphthalene	2025/11/20	<0.0050		ug/g	
			Naphthalene	2025/11/20	<0.0050		ug/g	
			Phenanthrene	2025/11/20	<0.0050		ug/g	
			Pyrene	2025/11/20	<0.0050		ug/g	
A057901	LFE	RPD	Acenaphthene	2025/11/20	NC		%	40
			Acenaphthylene	2025/11/20	NC		%	40
			Anthracene	2025/11/20	NC		%	40
			Benzo(a)anthracene	2025/11/20	NC		%	40
			Benzo(a)pyrene	2025/11/20	NC		%	40
			Benzo(b/j)fluoranthene	2025/11/20	NC		%	40
			Benzo(g,h,i)perylene	2025/11/20	NC		%	40
			Benzo(k)fluoranthene	2025/11/20	NC		%	40
			Chrysene	2025/11/20	NC		%	40
			Dibenzo(a,h)anthracene	2025/11/20	NC		%	40
			Fluoranthene	2025/11/20	NC		%	40
			Fluorene	2025/11/20	NC		%	40
			Indeno(1,2,3-cd)pyrene	2025/11/20	NC		%	40
			1-Methylnaphthalene	2025/11/20	NC		%	40
			2-Methylnaphthalene	2025/11/20	NC		%	40
			Naphthalene	2025/11/20	NC		%	40
			Phenanthrene	2025/11/20	NC		%	40
			Pyrene	2025/11/20	NC		%	40
A057960	RGA	Matrix Spike	1,4-Difluorobenzene	2025/11/21		98	%	60 - 140
			4-Bromofluorobenzene	2025/11/21		99	%	60 - 140

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			D10-o-Xylene	2025/11/21		83	%	60 - 140
			D4-1,2-Dichloroethane	2025/11/21		93	%	60 - 140
			Benzene	2025/11/21		NC	%	50 - 140
			Toluene	2025/11/21		NC	%	50 - 140
			Ethylbenzene	2025/11/21		NC	%	50 - 140
			o-Xylene	2025/11/21		NC	%	50 - 140
			p+m-Xylene	2025/11/21		NC	%	50 - 140
			F1 (C6-C10)	2025/11/21		NC	%	60 - 140
A057960	RGA	Spiked Blank	1,4-Difluorobenzene	2025/11/20		106	%	60 - 140
			4-Bromofluorobenzene	2025/11/20		98	%	60 - 140
			D10-o-Xylene	2025/11/20		98	%	60 - 140
			D4-1,2-Dichloroethane	2025/11/20		87	%	60 - 140
			Benzene	2025/11/20		86	%	50 - 140
			Toluene	2025/11/20		86	%	50 - 140
			Ethylbenzene	2025/11/20		103	%	50 - 140
			o-Xylene	2025/11/20		99	%	50 - 140
			p+m-Xylene	2025/11/20		98	%	50 - 140
			F1 (C6-C10)	2025/11/20		100	%	80 - 120
A057960	RGA	Method Blank	1,4-Difluorobenzene	2025/11/20		110	%	60 - 140
			4-Bromofluorobenzene	2025/11/20		97	%	60 - 140
			D10-o-Xylene	2025/11/20		98	%	60 - 140
			D4-1,2-Dichloroethane	2025/11/20		95	%	60 - 140
			Benzene	2025/11/20	<0.020		ug/g	
			Toluene	2025/11/20	<0.020		ug/g	
			Ethylbenzene	2025/11/20	<0.020		ug/g	
			o-Xylene	2025/11/20	<0.020		ug/g	
			p+m-Xylene	2025/11/20	<0.040		ug/g	
			Total Xylenes	2025/11/20	<0.040		ug/g	
			F1 (C6-C10)	2025/11/20	<10		ug/g	
			F1 (C6-C10) - BTEX	2025/11/20	<10		ug/g	
A057960	RGA	RPD	Benzene	2025/11/21	12		%	50
			Toluene	2025/11/21	NC		%	50
			Ethylbenzene	2025/11/21	4.7		%	50
			o-Xylene	2025/11/21	4.5		%	50
			p+m-Xylene	2025/11/21	4.7		%	50
			Total Xylenes	2025/11/21	4.7		%	50
			F1 (C6-C10)	2025/11/21	4.8		%	30
			F1 (C6-C10) - BTEX	2025/11/21	4.8		%	30
A058277	SB5	Matrix Spike	Chromium (VI)	2025/11/21		54 (1)	%	70 - 130
A058277	SB5	Spiked Blank	Chromium (VI)	2025/11/20		94	%	80 - 120
A058277	SB5	Method Blank	Chromium (VI)	2025/11/20	<0.18		ug/g	
A058277	SB5	RPD	Chromium (VI)	2025/11/20	NC		%	35
A058454	GR1	Matrix Spike	Hot Water Ext. Boron (B)	2025/11/20		104	%	75 - 125
A058454	GR1	Spiked Blank	Hot Water Ext. Boron (B)	2025/11/20		104	%	75 - 125
A058454	GR1	Method Blank	Hot Water Ext. Boron (B)	2025/11/20	<0.050		ug/g	
A058454	GR1	RPD	Hot Water Ext. Boron (B)	2025/11/20	2.1		%	40
A058456	DT1	Matrix Spike	Acid Extractable Antimony (Sb)	2025/11/20		100	%	75 - 125
			Acid Extractable Arsenic (As)	2025/11/20		97	%	75 - 125
			Acid Extractable Barium (Ba)	2025/11/20		NC	%	75 - 125
			Acid Extractable Beryllium (Be)	2025/11/20		94	%	75 - 125
			Acid Extractable Boron (B)	2025/11/20		90	%	75 - 125
			Acid Extractable Cadmium (Cd)	2025/11/20		99	%	75 - 125
			Acid Extractable Chromium (Cr)	2025/11/20		96	%	75 - 125
			Acid Extractable Cobalt (Co)	2025/11/20		97	%	75 - 125

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Acid Extractable Copper (Cu)	2025/11/20		96	%	75 - 125
			Acid Extractable Lead (Pb)	2025/11/20		96	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2025/11/20		98	%	75 - 125
			Acid Extractable Nickel (Ni)	2025/11/20		99	%	75 - 125
			Acid Extractable Selenium (Se)	2025/11/20		99	%	75 - 125
			Acid Extractable Silver (Ag)	2025/11/20		102	%	75 - 125
			Acid Extractable Thallium (Tl)	2025/11/20		96	%	75 - 125
			Acid Extractable Uranium (U)	2025/11/20		104	%	75 - 125
			Acid Extractable Vanadium (V)	2025/11/20		94	%	75 - 125
			Acid Extractable Zinc (Zn)	2025/11/20		NC	%	75 - 125
			Acid Extractable Mercury (Hg)	2025/11/20		104	%	75 - 125
A058456	DT1	Spiked Blank	Acid Extractable Antimony (Sb)	2025/11/20		99	%	80 - 120
			Acid Extractable Arsenic (As)	2025/11/20		95	%	80 - 120
			Acid Extractable Barium (Ba)	2025/11/20		90	%	80 - 120
			Acid Extractable Beryllium (Be)	2025/11/20		88	%	80 - 120
			Acid Extractable Boron (B)	2025/11/20		83	%	80 - 120
			Acid Extractable Cadmium (Cd)	2025/11/20		95	%	80 - 120
			Acid Extractable Chromium (Cr)	2025/11/20		93	%	80 - 120
			Acid Extractable Cobalt (Co)	2025/11/20		96	%	80 - 120
			Acid Extractable Copper (Cu)	2025/11/20		95	%	80 - 120
			Acid Extractable Lead (Pb)	2025/11/20		96	%	80 - 120
			Acid Extractable Molybdenum (Mo)	2025/11/20		91	%	80 - 120
			Acid Extractable Nickel (Ni)	2025/11/20		98	%	80 - 120
			Acid Extractable Selenium (Se)	2025/11/20		98	%	80 - 120
			Acid Extractable Silver (Ag)	2025/11/20		98	%	80 - 120
			Acid Extractable Thallium (Tl)	2025/11/20		96	%	80 - 120
			Acid Extractable Uranium (U)	2025/11/20		104	%	80 - 120
			Acid Extractable Vanadium (V)	2025/11/20		93	%	80 - 120
			Acid Extractable Zinc (Zn)	2025/11/20		96	%	80 - 120
			Acid Extractable Mercury (Hg)	2025/11/20		99	%	80 - 120
A058456	DT1	Method Blank	Acid Extractable Antimony (Sb)	2025/11/20	<0.20		ug/g	
			Acid Extractable Arsenic (As)	2025/11/20	<1.0		ug/g	
			Acid Extractable Barium (Ba)	2025/11/20	<0.50		ug/g	
			Acid Extractable Beryllium (Be)	2025/11/20	<0.20		ug/g	
			Acid Extractable Boron (B)	2025/11/20	<5.0		ug/g	
			Acid Extractable Cadmium (Cd)	2025/11/20	<0.10		ug/g	
			Acid Extractable Chromium (Cr)	2025/11/20	<1.0		ug/g	
			Acid Extractable Cobalt (Co)	2025/11/20	<0.10		ug/g	
			Acid Extractable Copper (Cu)	2025/11/20	<0.50		ug/g	
			Acid Extractable Lead (Pb)	2025/11/20	<1.0		ug/g	
			Acid Extractable Molybdenum (Mo)	2025/11/20	<0.50		ug/g	
			Acid Extractable Nickel (Ni)	2025/11/20	<0.50		ug/g	
			Acid Extractable Selenium (Se)	2025/11/20	<0.50		ug/g	
			Acid Extractable Silver (Ag)	2025/11/20	<0.20		ug/g	
			Acid Extractable Thallium (Tl)	2025/11/20	<0.050		ug/g	
			Acid Extractable Uranium (U)	2025/11/20	<0.050		ug/g	
			Acid Extractable Vanadium (V)	2025/11/20	<5.0		ug/g	
			Acid Extractable Zinc (Zn)	2025/11/20	<5.0		ug/g	
			Acid Extractable Mercury (Hg)	2025/11/20	<0.050		ug/g	
A058456	DT1	RPD	Acid Extractable Antimony (Sb)	2025/11/20	NC		%	30
			Acid Extractable Arsenic (As)	2025/11/20	1.3		%	30
			Acid Extractable Barium (Ba)	2025/11/20	0.92		%	30
			Acid Extractable Beryllium (Be)	2025/11/20	10		%	30
			Acid Extractable Boron (B)	2025/11/20	NC		%	30

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Acid Extractable Cadmium (Cd)	2025/11/20	NC		%	30
			Acid Extractable Chromium (Cr)	2025/11/20	5.3		%	30
			Acid Extractable Cobalt (Co)	2025/11/20	5.0		%	30
			Acid Extractable Copper (Cu)	2025/11/20	1.8		%	30
			Acid Extractable Lead (Pb)	2025/11/20	5.3		%	30
			Acid Extractable Molybdenum (Mo)	2025/11/20	NC		%	30
			Acid Extractable Nickel (Ni)	2025/11/20	1.6		%	30
			Acid Extractable Selenium (Se)	2025/11/20	NC		%	30
			Acid Extractable Silver (Ag)	2025/11/20	NC		%	30
			Acid Extractable Thallium (Tl)	2025/11/20	10		%	30
			Acid Extractable Uranium (U)	2025/11/20	12		%	30
			Acid Extractable Vanadium (V)	2025/11/20	6.5		%	30
			Acid Extractable Zinc (Zn)	2025/11/20	12		%	30
			Acid Extractable Mercury (Hg)	2025/11/20	NC		%	30
A058510	SIA	QC Standard	Sieve - #200 (<0.075mm)	2025/11/21		55	%	53 - 58
			Sieve - #200 (>0.075mm)	2025/11/21		45	%	42 - 47
A058510	SIA	RPD	Sieve - #200 (<0.075mm)	2025/11/20	12		%	20
			Sieve - #200 (>0.075mm)	2025/11/20	3.5		%	20
A058534	GR1	Matrix Spike	Hot Water Ext. Boron (B)	2025/11/20		114	%	75 - 125
A058534	GR1	Spiked Blank	Hot Water Ext. Boron (B)	2025/11/20		102	%	75 - 125
A058534	GR1	Method Blank	Hot Water Ext. Boron (B)	2025/11/20	<0.050		ug/g	
A058534	GR1	RPD	Hot Water Ext. Boron (B)	2025/11/20	NC		%	40
A058537	DT1	Matrix Spike	Acid Extractable Antimony (Sb)	2025/11/20		92	%	75 - 125
			Acid Extractable Arsenic (As)	2025/11/20		92	%	75 - 125
			Acid Extractable Barium (Ba)	2025/11/20		86	%	75 - 125
			Acid Extractable Beryllium (Be)	2025/11/20		87	%	75 - 125
			Acid Extractable Boron (B)	2025/11/20		84	%	75 - 125
			Acid Extractable Cadmium (Cd)	2025/11/20		91	%	75 - 125
			Acid Extractable Chromium (Cr)	2025/11/20		95	%	75 - 125
			Acid Extractable Cobalt (Co)	2025/11/20		92	%	75 - 125
			Acid Extractable Copper (Cu)	2025/11/20		89	%	75 - 125
			Acid Extractable Lead (Pb)	2025/11/20		93	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2025/11/20		88	%	75 - 125
			Acid Extractable Nickel (Ni)	2025/11/20		95	%	75 - 125
			Acid Extractable Selenium (Se)	2025/11/20		94	%	75 - 125
			Acid Extractable Silver (Ag)	2025/11/20		95	%	75 - 125
			Acid Extractable Thallium (Tl)	2025/11/20		93	%	75 - 125
			Acid Extractable Uranium (U)	2025/11/20		102	%	75 - 125
			Acid Extractable Vanadium (V)	2025/11/20		93	%	75 - 125
			Acid Extractable Zinc (Zn)	2025/11/20		92	%	75 - 125
			Acid Extractable Mercury (Hg)	2025/11/20		97	%	75 - 125
A058537	DT1	Spiked Blank	Acid Extractable Antimony (Sb)	2025/11/20		95	%	80 - 120
			Acid Extractable Arsenic (As)	2025/11/20		93	%	80 - 120
			Acid Extractable Barium (Ba)	2025/11/20		86	%	80 - 120
			Acid Extractable Beryllium (Be)	2025/11/20		87	%	80 - 120
			Acid Extractable Boron (B)	2025/11/20		83	%	80 - 120
			Acid Extractable Cadmium (Cd)	2025/11/20		92	%	80 - 120
			Acid Extractable Chromium (Cr)	2025/11/20		93	%	80 - 120
			Acid Extractable Cobalt (Co)	2025/11/20		96	%	80 - 120
			Acid Extractable Copper (Cu)	2025/11/20		93	%	80 - 120
			Acid Extractable Lead (Pb)	2025/11/20		93	%	80 - 120
			Acid Extractable Molybdenum (Mo)	2025/11/20		89	%	80 - 120
			Acid Extractable Nickel (Ni)	2025/11/20		99	%	80 - 120
			Acid Extractable Selenium (Se)	2025/11/20		97	%	80 - 120

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Acid Extractable Silver (Ag)	2025/11/20		96	%	80 - 120
			Acid Extractable Thallium (Tl)	2025/11/20		94	%	80 - 120
			Acid Extractable Uranium (U)	2025/11/20		99	%	80 - 120
			Acid Extractable Vanadium (V)	2025/11/20		92	%	80 - 120
			Acid Extractable Zinc (Zn)	2025/11/20		97	%	80 - 120
			Acid Extractable Mercury (Hg)	2025/11/20		97	%	80 - 120
A058537	DT1	Method Blank	Acid Extractable Antimony (Sb)	2025/11/20	<0.20		ug/g	
			Acid Extractable Arsenic (As)	2025/11/20	<1.0		ug/g	
			Acid Extractable Barium (Ba)	2025/11/20	<0.50		ug/g	
			Acid Extractable Beryllium (Be)	2025/11/20	<0.20		ug/g	
			Acid Extractable Boron (B)	2025/11/20	<5.0		ug/g	
			Acid Extractable Cadmium (Cd)	2025/11/20	<0.10		ug/g	
			Acid Extractable Chromium (Cr)	2025/11/20	<1.0		ug/g	
			Acid Extractable Cobalt (Co)	2025/11/20	<0.10		ug/g	
			Acid Extractable Copper (Cu)	2025/11/20	<0.50		ug/g	
			Acid Extractable Lead (Pb)	2025/11/20	<1.0		ug/g	
			Acid Extractable Molybdenum (Mo)	2025/11/20	<0.50		ug/g	
			Acid Extractable Nickel (Ni)	2025/11/20	<0.50		ug/g	
			Acid Extractable Selenium (Se)	2025/11/20	<0.50		ug/g	
			Acid Extractable Silver (Ag)	2025/11/20	<0.20		ug/g	
			Acid Extractable Thallium (Tl)	2025/11/20	<0.050		ug/g	
			Acid Extractable Uranium (U)	2025/11/20	<0.050		ug/g	
			Acid Extractable Vanadium (V)	2025/11/20	<5.0		ug/g	
			Acid Extractable Zinc (Zn)	2025/11/20	<5.0		ug/g	
			Acid Extractable Mercury (Hg)	2025/11/20	<0.050		ug/g	
A058537	DT1	RPD	Acid Extractable Antimony (Sb)	2025/11/20	NC		%	30
			Acid Extractable Arsenic (As)	2025/11/20	NC		%	30
			Acid Extractable Barium (Ba)	2025/11/20	6.8		%	30
			Acid Extractable Beryllium (Be)	2025/11/20	NC		%	30
			Acid Extractable Boron (B)	2025/11/20	NC		%	30
			Acid Extractable Cadmium (Cd)	2025/11/20	NC		%	30
			Acid Extractable Chromium (Cr)	2025/11/20	12		%	30
			Acid Extractable Cobalt (Co)	2025/11/20	3.3		%	30
			Acid Extractable Copper (Cu)	2025/11/20	2.0		%	30
			Acid Extractable Lead (Pb)	2025/11/20	1.5		%	30
			Acid Extractable Molybdenum (Mo)	2025/11/20	NC		%	30
			Acid Extractable Nickel (Ni)	2025/11/20	4.3		%	30
			Acid Extractable Selenium (Se)	2025/11/20	NC		%	30
			Acid Extractable Silver (Ag)	2025/11/20	NC		%	30
			Acid Extractable Thallium (Tl)	2025/11/20	NC		%	30
			Acid Extractable Uranium (U)	2025/11/20	12		%	30
			Acid Extractable Vanadium (V)	2025/11/20	12		%	30
			Acid Extractable Zinc (Zn)	2025/11/20	4.3		%	30
			Acid Extractable Mercury (Hg)	2025/11/20	NC		%	30
A058816	GYA	Matrix Spike	WAD Cyanide (Free)	2025/11/21		96	%	75 - 125
A058816	GYA	Spiked Blank	WAD Cyanide (Free)	2025/11/21		106	%	80 - 120
A058816	GYA	Method Blank	WAD Cyanide (Free)	2025/11/21	<0.01		ug/g	
A058816	GYA	RPD	WAD Cyanide (Free)	2025/11/21	NC		%	35
A058827	GK6	Spiked Blank	Conductivity	2025/11/21		104	%	90 - 110
A058827	GK6	Method Blank	Conductivity	2025/11/21	<0.002		mS/cm	
A058827	GK6	RPD	Conductivity	2025/11/21	5.6		%	10
A058979	SAU	Spiked Blank	Available (CaCl2) pH	2025/11/21		100	%	97 - 103

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A058979	SAU	RPD	Available (CaCl2) pH	2025/11/21	2.7		%	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.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

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).

(1) The matrix spike recovery was below the lower control limit. This may be due in part to the reducing environment of the sample. The sample was reanalyzed with the same results.

VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

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

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

C5E6301
2025/11/18 10:00

Received in Ottawa

RUSH

BUREAU VERITAS

ADDITIONAL COOLER TEMPERATURE RECORD

CHAIN-OF-CUSTODY RECORD

COOLER OBSERVATIONS: Icepacks

BV RECEIPT#: OTT-2025-11-186

	CUSTODY SEAL	YES	NO	COOLER ID			
1	PRESENT			1			
	INTACT			TEMP	6	6	5
	ICE PRESENT				1	2	3
2	PRESENT			2			
	INTACT			TEMP	6	4	5
	ICE PRESENT				1	2	3
3	PRESENT			3			
	INTACT			TEMP	6	3	3
	ICE PRESENT				1	2	3
4	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
5	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
6	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
7	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
8	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
9	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
10	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						

	CUSTODY SEAL	YES	NO	COOLER ID			
11	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
12	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
13	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
14	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
15	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
16	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
17	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
18	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
19	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
20	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						

	CUSTODY SEAL	YES	NO	COOLER ID			
21	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
22	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
23	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
24	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
25	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
26	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
27	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
28	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
29	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						
30	PRESENT						
	INTACT			TEMP	1	2	3
	ICE PRESENT						

RECEIVED BY (SIGN & PRINT)		DATE (YYYY/MM/DD)	TIME (HH:MM)
Pedro da Silva		2025/11/18	10:00

If Custody seal condition and presence of ice is the same for all, use these boxes:

CUSTODY SEAL	YES	NO
PRESENT	✓	
INTACT	✓	
ICE PRESENT	✓	

SERVICE CENTER COOLER TEMPERATURE RECORD

CHAIN-OF-CUSTODY RECORD

COOLER OBSERVATIONS:

SHIPPED FROM BV SERVICE CENTER: OTTAW17

RECEIVED AT: MISSISSAUGA

BV Receipt #	CUSTODY SEAL PRESENT	CUSTODY SEAL INTACT	ICE PRESENT	Drinking Water TEMP 1	TEMP 2	TEMP 3
1 OTT-2025-11- 193 to 195	✓	✓		NA	NA	NA
2 197	✓	✓		2	3	4
3 188	✓	✓	✓	2	1	1
4 186	✓	✓	✓	2	1	4
5	✓	✓	✓	4	2	1
6	✓	✓	✓	2	1	1
7	✓	✓	✓	1	0	1
8 189	✓	✓	✓	4	2	1
9 201	✓	✓	✓	2	1	2
10 202	✓	✓	✓	4	4	3
11 OTT-2025-11 — 203 to 208	✓	✓	✓	4	2	1
12 209	✓	✓	✓	2	4	4
13	✓	✓	✓	2	1	1
14	✓	✓	✓	0	1	+1
15 ↓	✓	✓	✓	2	1	1
16						
17						
18						
19						
20						

AOS 2025/11/19

RECEIVED BY (PRINT & SIGN)	DATE (YYYY/MM/DD)	TIME (HH:MM)
ANMOLPREET SINGH	2025/11/19	06:20

If Custody seal condition and presence of ice is the same for all, use these boxes:

CUSTODY SEAL	YES	NO
PRESENT		
INTACT		
ICE PRESENT		

C5E6301
2025/11/18 10:00

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

Received in Ottawa

CHAIN OF CUSTODY RECORD

Page 1 of 4

Invoice To:		Report To:		PROJECT INFORMATION:		Laboratory Use Only:	
Company:	#3072 Stantec Consulting Ltd	Company:		Quotation #:	C51234	Bureau Veritas Job #:	Bottle Order #: 1068687
Attention:	Accounts Payable	Attention:	Cori Linetsky	P.O. #:			
Address:	300-125 Commerce Valley Dr W, Markham ON L3T 7W4	Address:		Project:	160923647	COC #: C#1068687-01-01	Project Manager: Julie Clement
				Project Name:			
Tel:	(905) 944-7777 Fax: (905) 479-9326	Tel:	Fax:	Site #:			
Email:	SAPinvoices@Stantec.com	Email:	Cori.Linetsky@stantec.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 ___; ☐ Other ___

Special Instructions

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

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

Regular (Standard) TAT: ☐
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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: Nov 21, 25 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	O.Reg 153 PHCs, BTEX/F1-F4 (Soil)	O.Reg 153 PAHs (Soil)	O.Reg 153 Metals & Inorganics Pkg (Soil)	O.Reg 153 OC Pesticides (Soil)	TCLP: Inorganics, SVOC, VOC, Bulk; PCB, Ignitability	Grain size analysis	# of Bottles	Comments
1	BH25-01-1		Nov 17,25	9:30	S	NA	X	X	X	X			4	HOLD
2	BH25-01-2			9:30			X	X	X	X		X	5	
3	BH25-01-3			9:45			X	X	X	X			4	HOLD
4	BH25-01-4			9:45			X	X	X	X			4	HOLD
5	BH25-01-5			9:50			X	X	X	X			4	
6	BH25-01-6			9:50			X	X	X	X			4	HOLD
7	BH25-01-7			10:00			X	X	X	X			4	HOLD
8	BH25-01-8			10:00			X	X	X	X			4	HOLD
9	BH25-02-1			10:15			X	X	X	X			4	HOLD
10	BH25-02-2			10:20			X	X	X	X		X	5	

OTT-2025-11-186

RUSH

* Relinquished By (Print):	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
MIA DINH	25/11/17	17:05	Pedro da Silva [signature]	2025/11/18	10:00	

Laboratory Use Only				
Time Sensitive	Temperature (°C) on Receipt	Custody Seal	Yes	No
	ACTR	Present	✓	
		Intact	✓	

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

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** 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.

C5E6301
2025/11/18 10:00

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

Received in Ottawa

CHAIN OF CUSTODY RECORD

Invoice To:		Report To:		PROJECT INFORMATION:		Laboratory Use Only:	
Company:	#3072 Stantec Consulting Ltd	Company:		Quotation #:	C51234	Bureau Veritas Job #:	Bottle Order #:
Attention:	Accounts Payable	Attention:	Cori Linetsky	P.O. #:			1068687
Address:	300-125 Commerce Valley Dr W	Address:		Project:	160923647	COC #:	Project Manager:
	Markham ON L3T 7W4			Project Name:		C#1068687-02-01	Julie Clement
Tel:	(905) 944-7777 Fax: (905) 479-9326	Tel:	Fax:	Site #:			
Email:	SAPinvoices@Stantec.com	Email:	Cori.Linetsky@stantec.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)	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 ____	
	☐ 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):
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Job Specific Rush TAT (if applies to entire submission)
Date Required: Nov 21, 25 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	O.Reg 153 PHCs, BTEX/F1-F4 (Soil)	O.Reg 153 PAHs (Soil)	O.Reg 153 Metals & Inorganics Pkg (Soil)	O.Reg 153 OC Pesticides (Soil)	TCLP: Inorganics, SVOC, VOC, Bulk: PCB, Ignitability	# of Bottles	Comments
1	BH25-02-3		Nov 17, 25	10:20	S	NA	X	X	X	X		4	HOLD
2	BH25-02-4			10:25			X	X	X	X			HOLD
3	BH25-02-5			10:25			X	X	X	X			HOLD
4	BH25-02-6			10:30			X	X	X	X			
5	QC-01			10:30			X	X	X	X			
6	BH25-02-7			10:30			X	X	X	X			HOLD
7	BH25-03-1			11:35			X	X	X	X			
8	BH25-03-2			11:40			X	X	X	X			HOLD
9	BH25-03-3			11:40			X	X	X	X			HOLD
10	BH25-03-4			11:50			X	X	X	X			HOLD

RUSH

* Relinquished By (Print):	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
MD	25/11/17	17:05	Refer to page 1			

Laboratory Use Only				
Time Sensitive	Temperature (°C) on Recei	Custody Seal	Yes	No
		Present		
		Intact		

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White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

C5E6301
2025/11/18 10:00

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

Received in Ottawa

CHAIN OF CUSTODY RECORD

Invoice To:		Report To:		PROJECT INFORMATION:		Laboratory Use Only:	
Company:	#3072 Stantec Consulting Ltd	Company:		Quotation #:	C51234	Bureau Veritas Job #:	Bottle Order #:
Attention:	Accounts Payable	Attention:	Cori Linetsky	P.O. #:			1068687
Address:	300-125 Commerce Valley Dr W	Address:		Project:	160923647	COC #:	Project Manager:
	Markham ON L3T 7W4			Project Name:		C#1068687-03-01	Julie Clement
Tel:	(905) 944-7777 Fax: (905) 479-9326	Tel:	Fax:	Site #:			
Email:	SAPinvoices@Stantec.com	Email:	Cori.Linetsky@stantec.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)	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	
	☐ Other	

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

Turnaround Time (TAT) Required:
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(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: Nov 21, 25 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	O.Reg 153 PHCs, BTEX/F1-F4 (Soil)	O.Reg 153 PAHs (Soil)	O.Reg 153 Metals & Inorganics Pkg (Soil)	O.Reg 153 OC Pesticides (Soil)	TCLP: Inorganics, SVOC, VOC, Bulk: PCB, Ignitability	# of Bottles	Comments
1	BH 25-03-5		Nov 17, 25	11:50	S	NA	X	X	X	X		4	
2	BH 25-03-6			12:00			X	X	X	X			HOLD
3	BH 25-03-7			12:00			X	X	X	X			HOLD
4	BH 25-04-1			10:55			X	X	X	X			HOLD
5	BH 25-04-2			11:00			X	X	X	X			HOLD
6	BH 25-04-3			11:00			X	X	X	X			HOLD
7	BH 25-04-4			11:05			X	X	X	X			
8	BH 25-04-5			11:05			X	X	X	X			HOLD
9	BH 25-04-6			11:15			X	X	X	X			HOLD
10	BH 25-04-7			11:15			X	X	X	X			

RUSH

* Relinquished By (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
MD	25/11/17	17:05	Refer to page 1						Intact		

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White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

C5E6301
2025/11/18 10:00

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

Received in Ottawa

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Attention:	Accounts Payable	Attention:	Cori Linetsky	P.O. #:			1068687
Address:	300-125 Commerce Valley Dr W Markham ON L3T 7W4	Address:		Project:	160923647	COC #:	Project Manager:
Tel:	(905) 944-7777 Fax: (905) 479-9326	Tel:	Fax:	Project Name:		C#10686b7-04-01	Julie Clement
Email:	SAPinvoices@Stantec.com	Email:	Cori.Linetsky@stantec.com	Site #:			
				Sampled By:			

FOR 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 ☐ Rec/Park ☐ Medium/Fine ☒ Table 2 ☒ Ind/Comm ☒ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___

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

Special Instructions:

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	O.Reg 153 PHCs, BTEX/F1-F4 (Soil)	O.Reg 153 PAHs (Soil)	O.Reg 153 Metals & Inorganics Pkg (Soil)	O.Reg 153 OC Pesticides (Soil)	TCLP: Inorganics, SVOC, VOC, Bulk: PCB, Ignitability					# of Bottles	Comments
1	TCLP-01		Nov 17, 25	NA	S	NA					X					5	HOLD
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Turnaround Time (TAT) Required:
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Rush Confirmation Number: ___ *(call lab for #)*

RUSH

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MD	25/11/17	17:05	Drop to page 1			

Laboratory Use Only				
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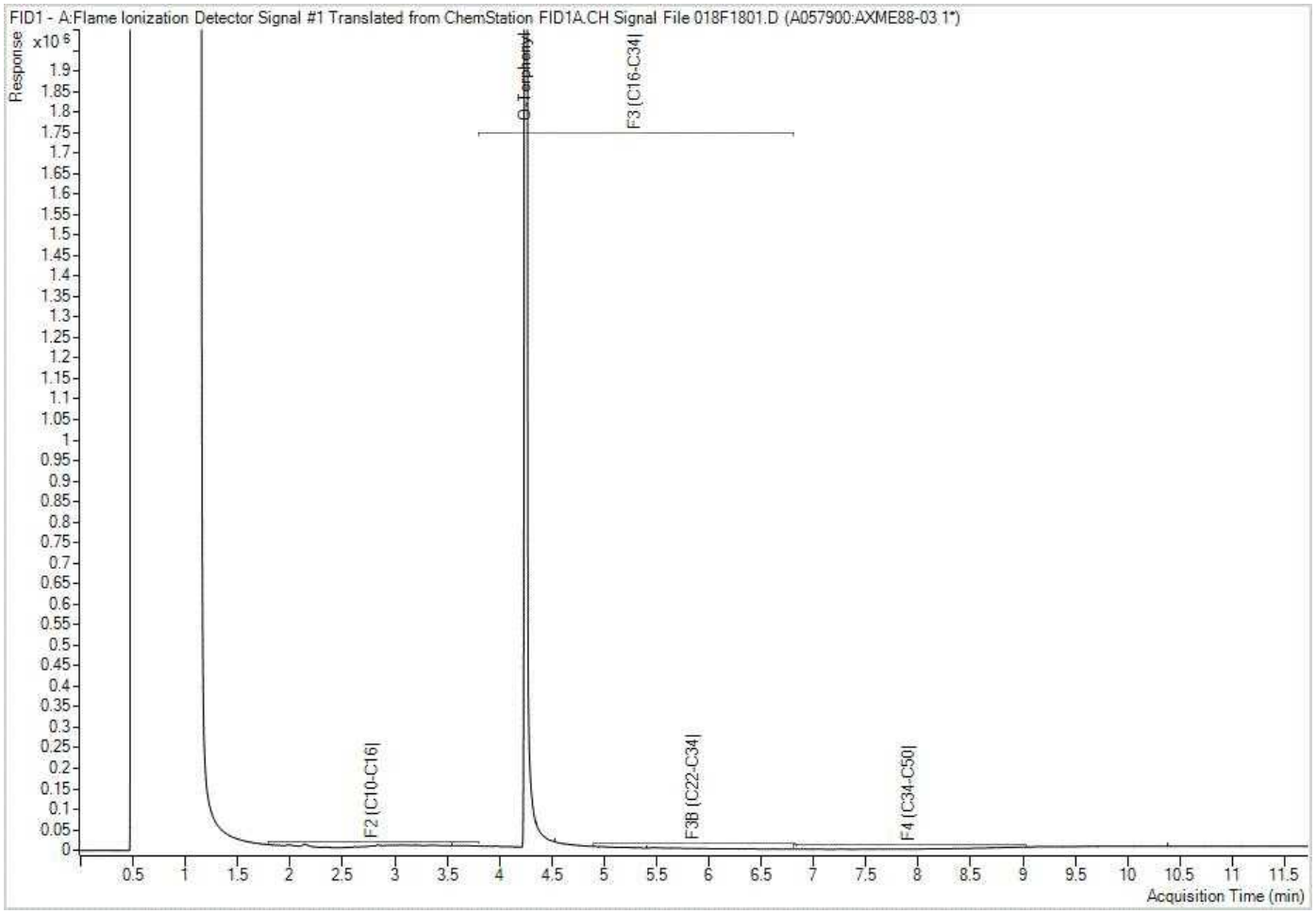
White: Bureau Veritas Yellow: Client

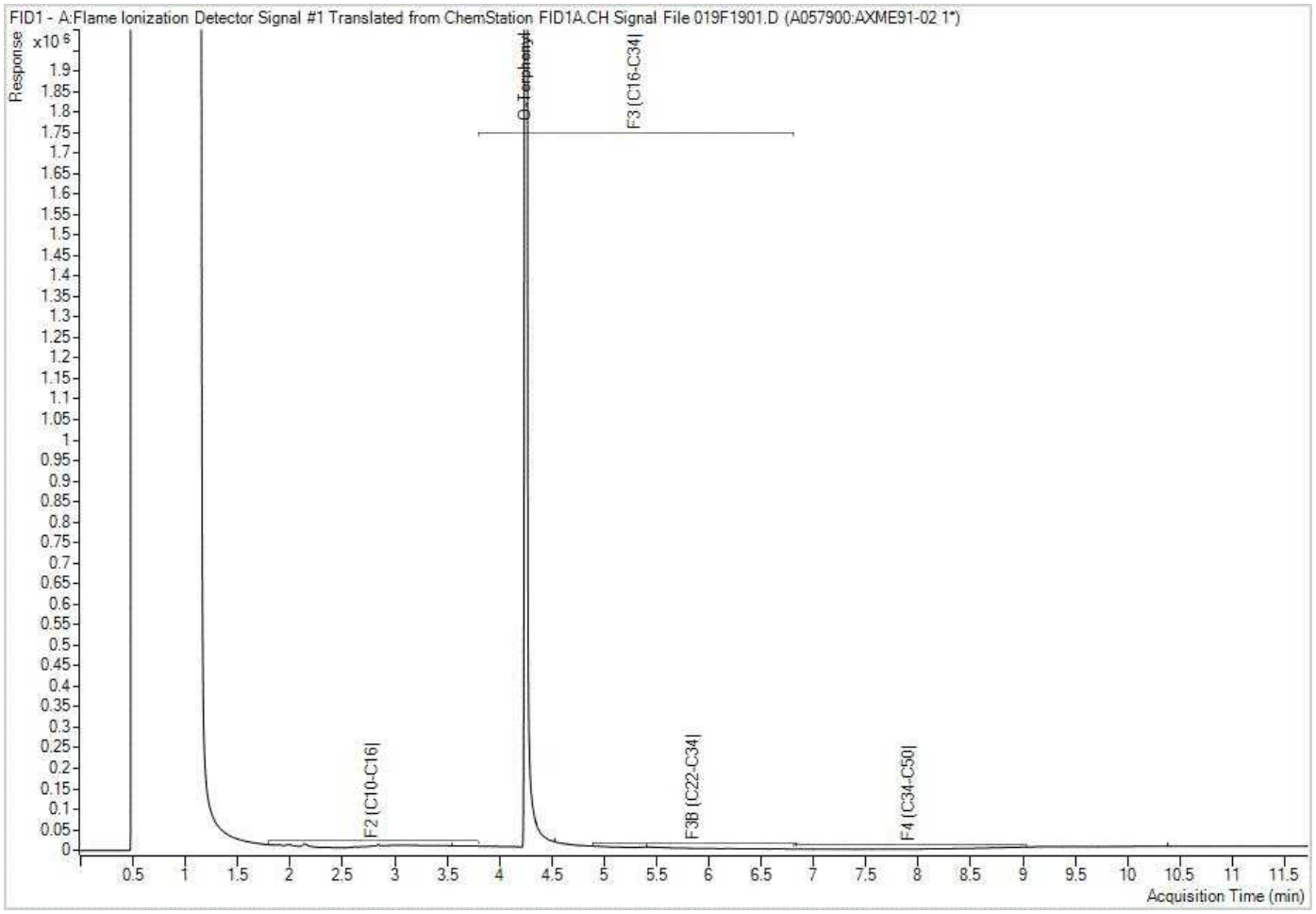
Bureau Veritas Canada (2019) Inc.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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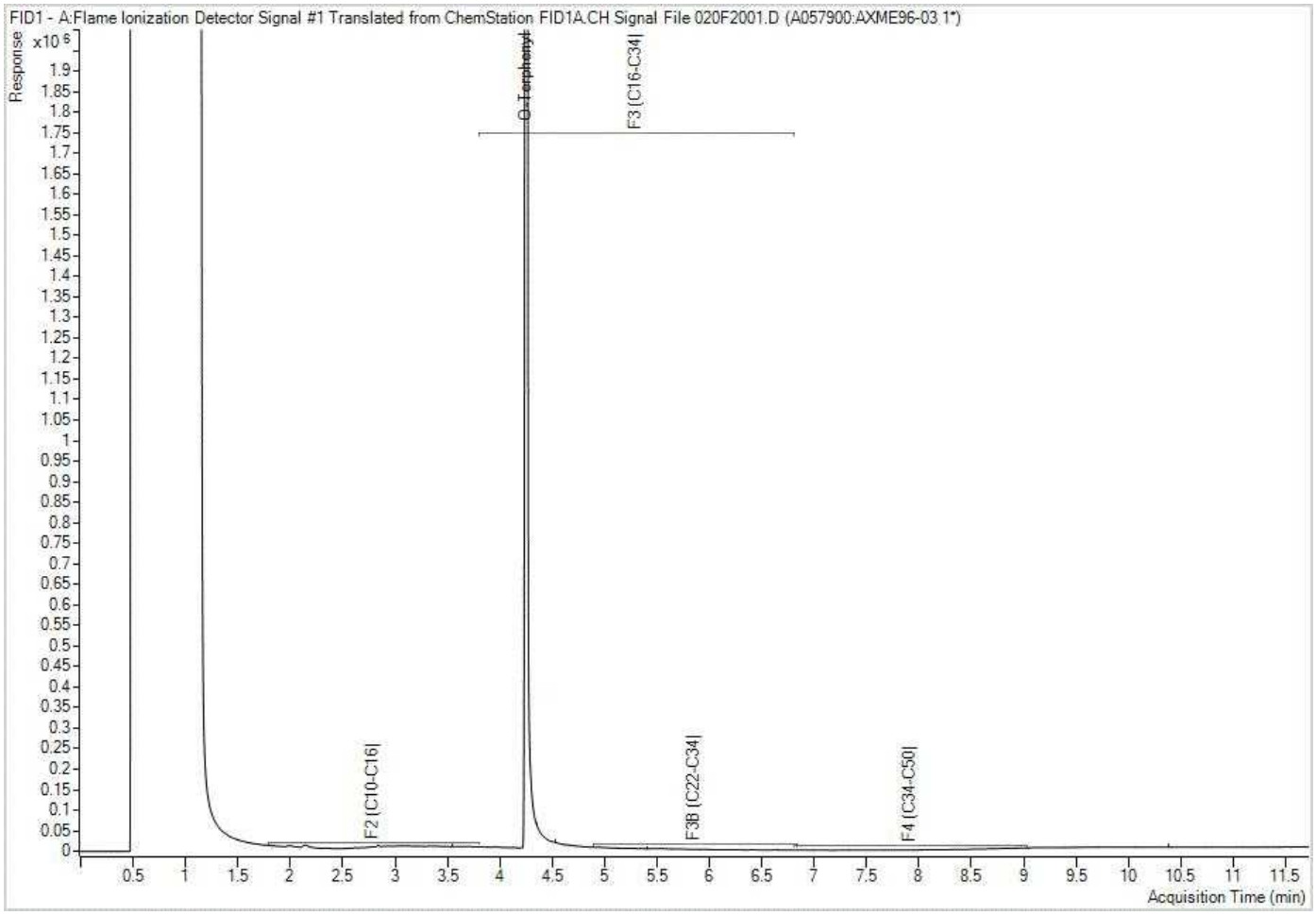
Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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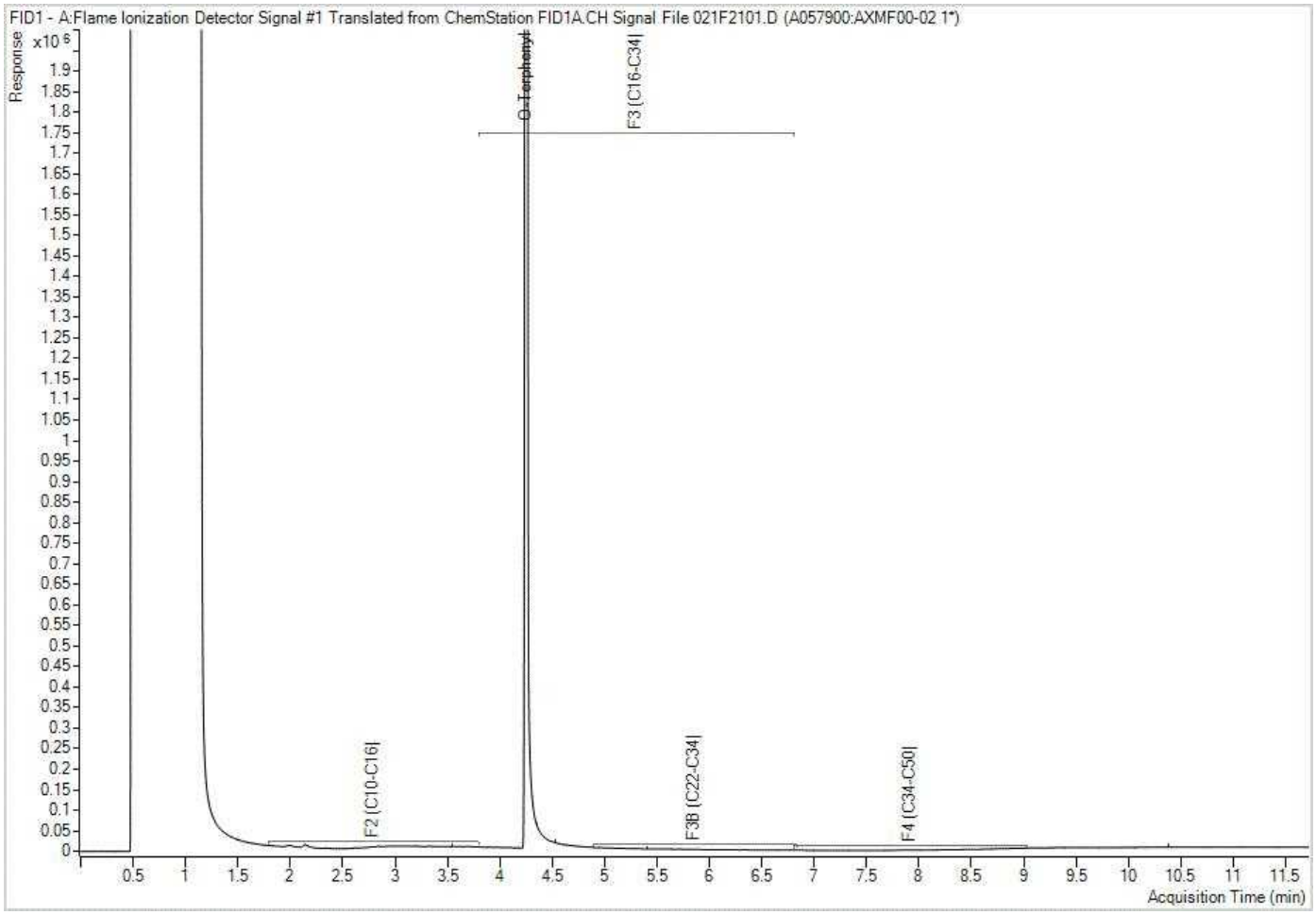

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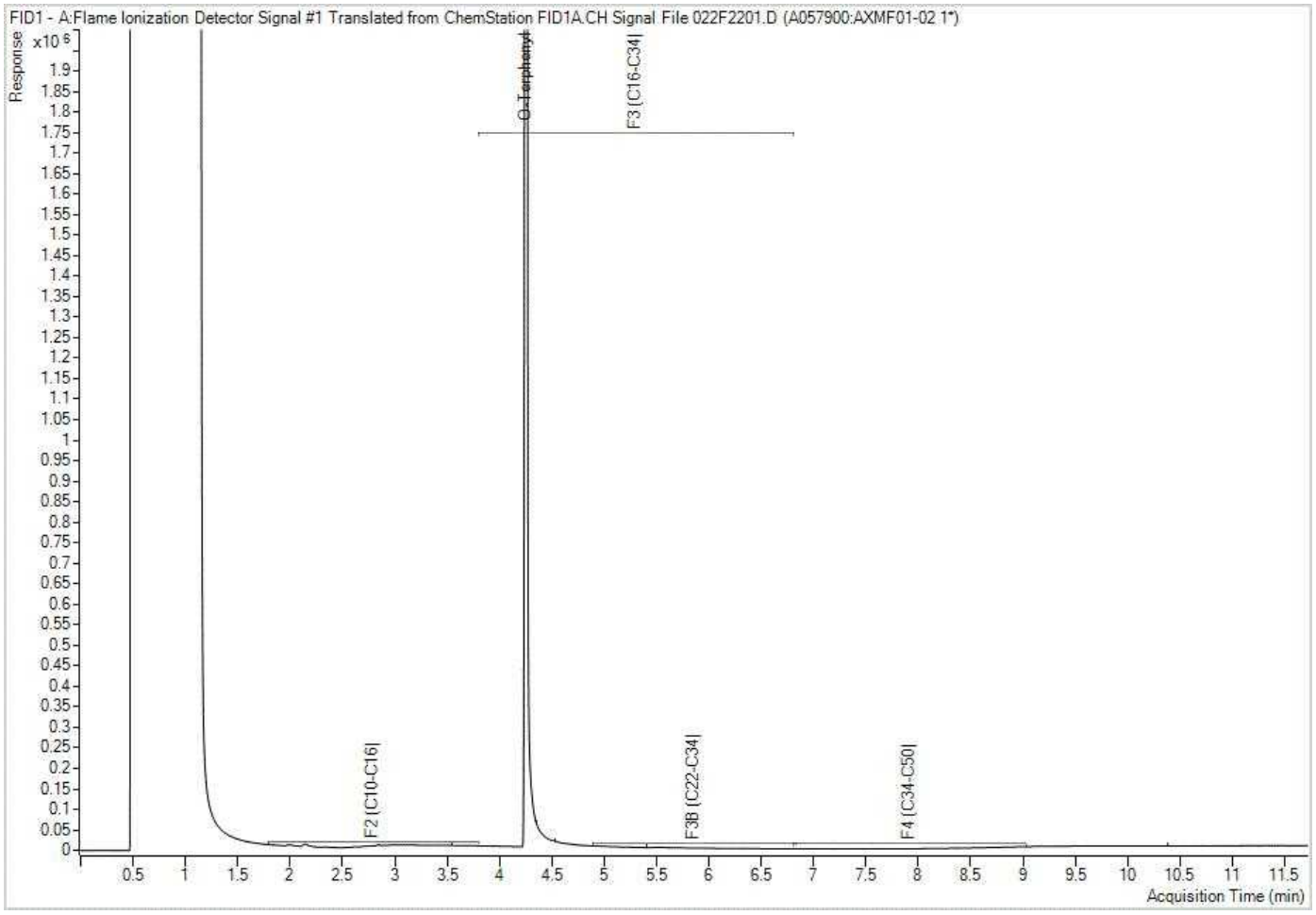
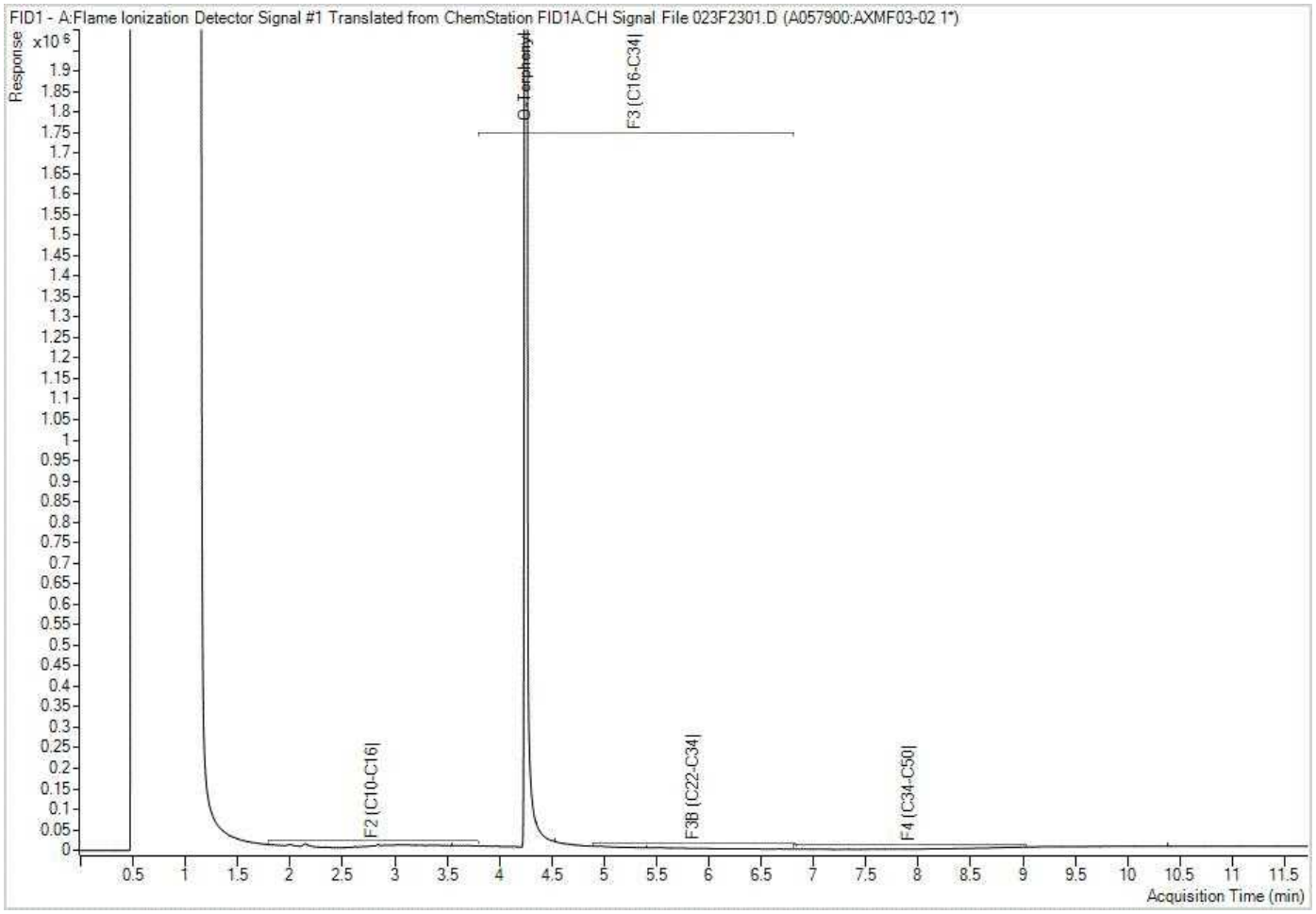
Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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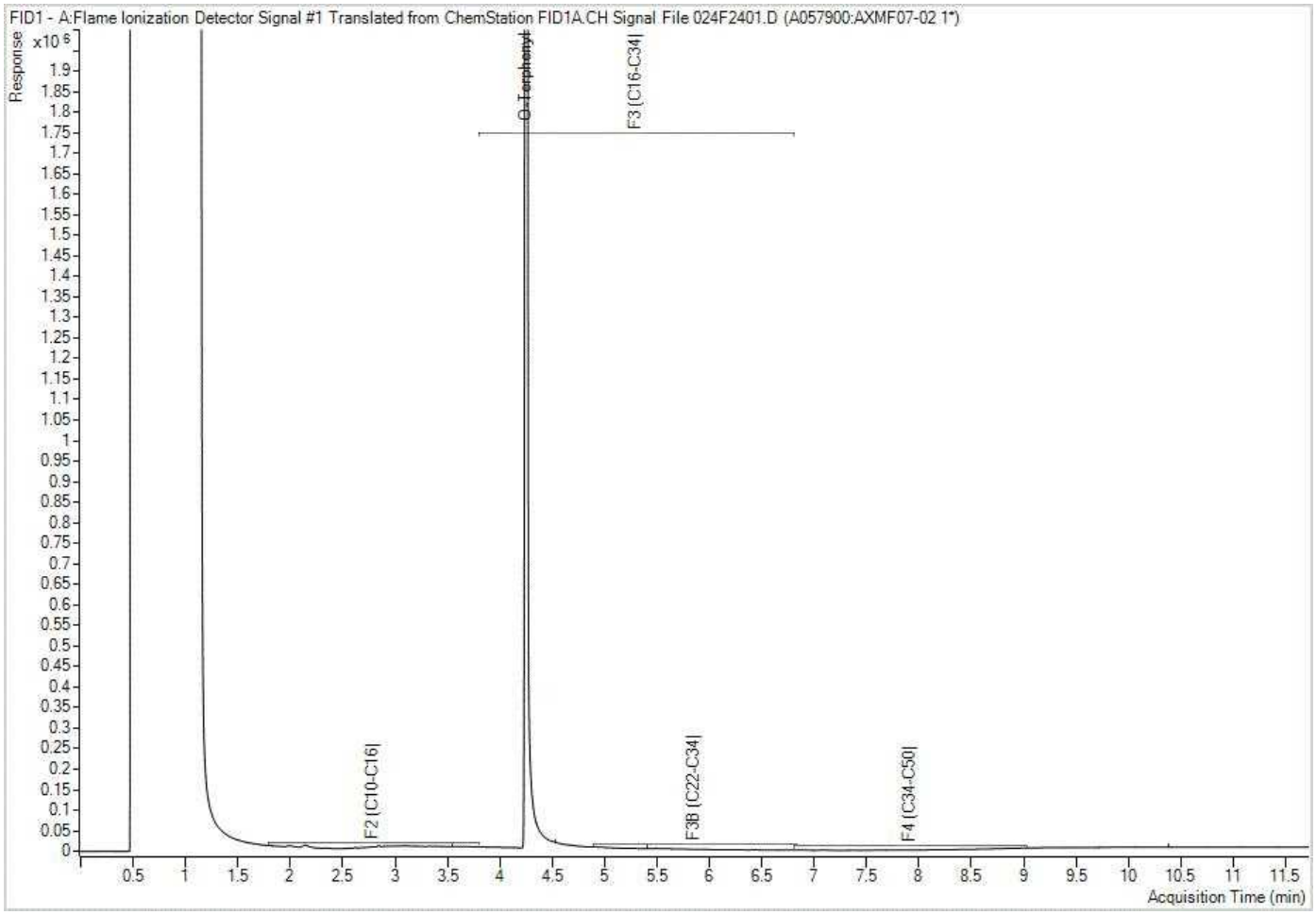
Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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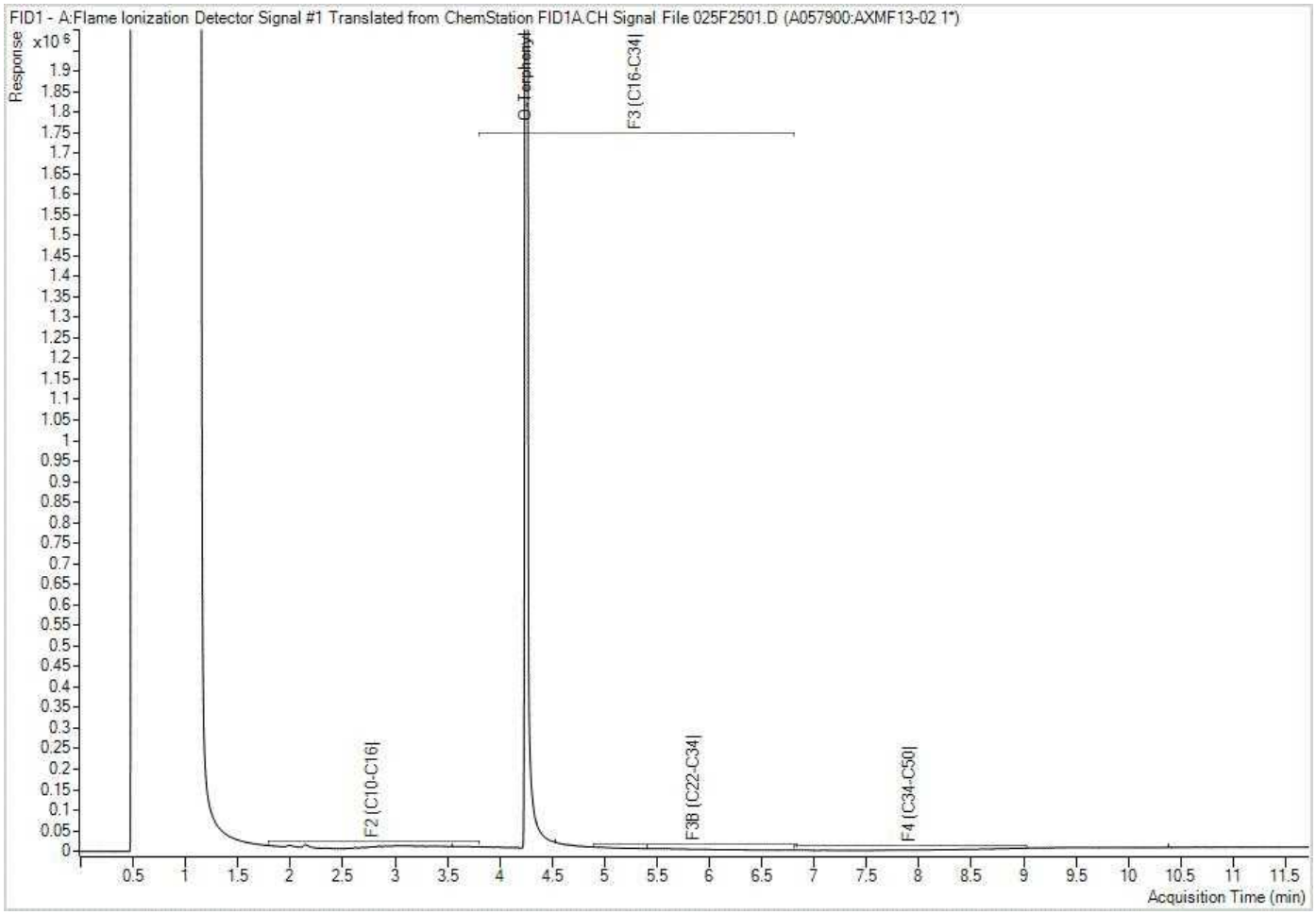
Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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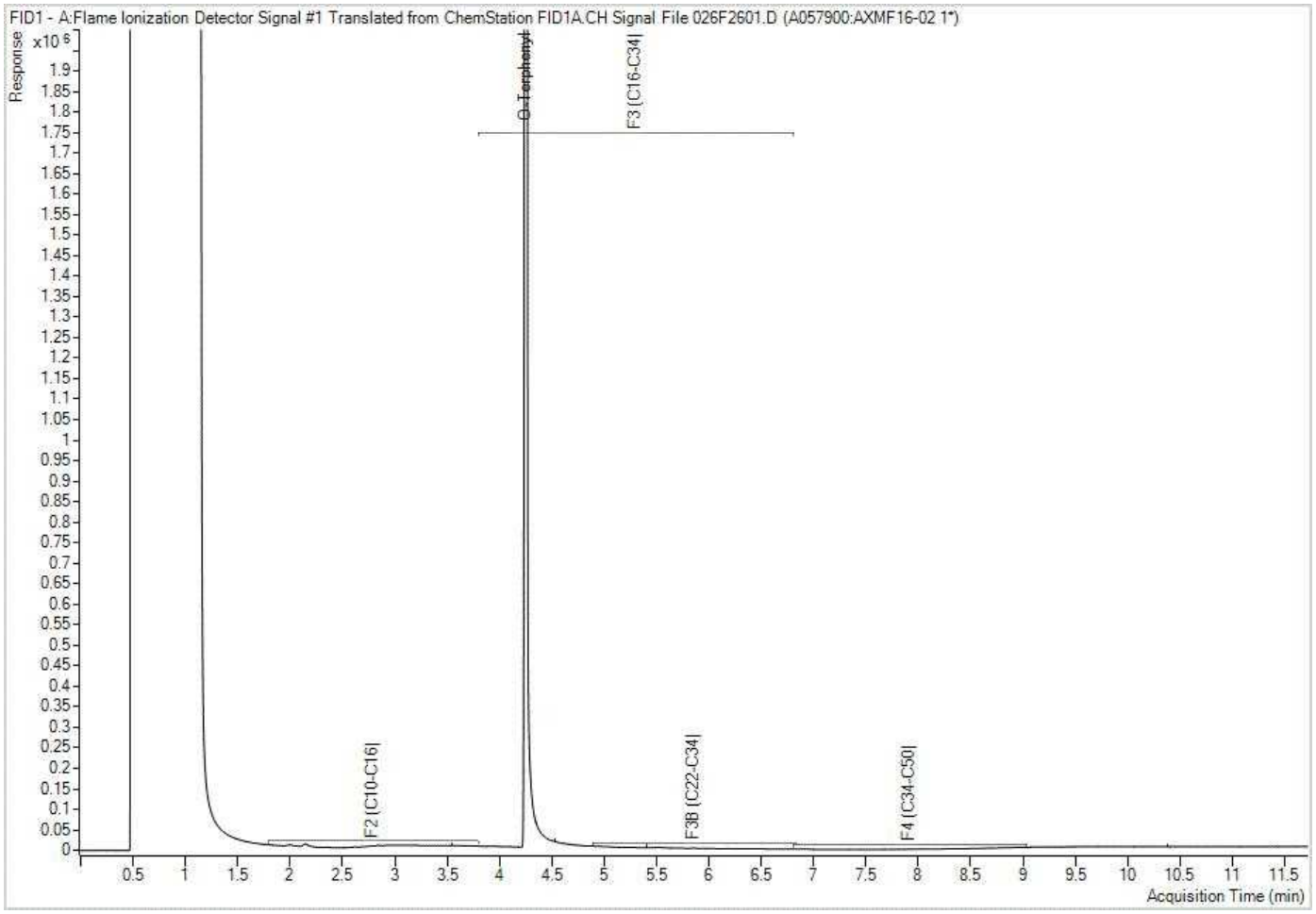
Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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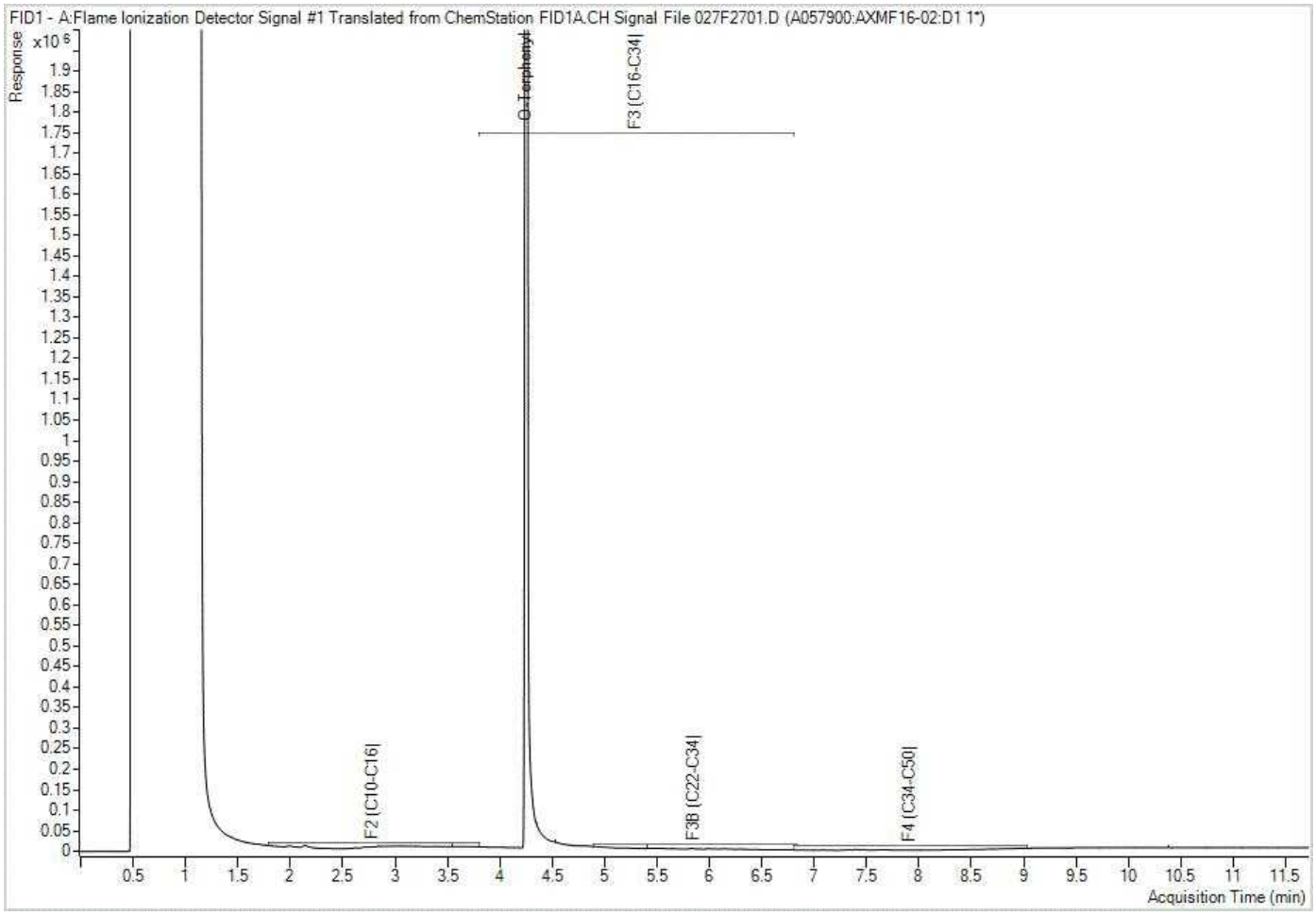
Bureau Veritas Job #: C5E6301
Report Date: 2025/11/21
Bureau Veritas Sample: AXMF16 Lab-Dup

Stantec Consulting Ltd
Client Project #: 160923647
Client ID: BH25-04-7

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.

Appendix F Quality Assurance / Quality Control

QUALITY ASSURANCE / QUALITY CONTROL

The overall data quality objectives (DQO) for the investigation was to collect data that were precise, accurate, reproducible, complete, and suitable for comparison with the Table 2 Site Condition Standard (SCS).

Soil samples were placed into glass sample jars supplied by Bureau Veritas North America Inc. (BV Labs). Sample jars used for organic parameters (e.g., petroleum hydrocarbons (PHC)) were equipped with Teflon lined caps. Samples for analysis of PHC fraction 1 (F1) and benzene, toluene, ethylbenzene and xylenes (BTEX) parameters were collected and placed into containers containing methanol that were provided by the laboratory.

Each sample was labeled with a unique identification number, packed into coolers with ice, and transported to BV Labs under chain of custody documentation. To meet the DQO, quality assurance/quality control (QA/QC) procedures were incorporated into both field and laboratory methods. Efforts were made during sampling to reduce the potential for contamination so as to obtain representative samples. Accordingly, soil sampling was completed using a new pair of disposable nitrile gloves for each sample.

Calibration checks on field instruments were completed by Stantec field personnel prior to use.

As a check on the laboratory analytical methods and on sample precision, the following QC samples were submitted:

- One blind field duplicate soil samples were analyzed as follows:
    - QC-01 from BH25-02-6 for PHC F1 to F4, BTEX, PAHs, organochlorine pesticides, PCBs, metal and inorganic parameters

The blind field duplicate samples were used to assess the precision of the sampling and analytical procedures. Typically, the relative percent different (RPD) is calculated for the concentrations in the original sample and its duplicate. The RPD was calculated using the following formula:

$$RPD = \left| \frac{C_1 - C_2}{(C_1 + C_2)/2} \right| \times 100$$

Where: C1 is the concentration in the original sample; and
C2 is the concentration in the sample duplicate.

If the results for either or both the original sample and the duplicate were below the laboratory reporting limits (RLs), the RPD was not calculated. RPDs were only calculated in the event that both analytical results were greater than five times the RL.

The recommended alert criteria from the BV Labs Ontario QA/QC Interpretation Guideline for soil field duplicates is 50% for BTEX, 40% for PAHs, 40% for organochlorine pesticides, 40% for PCBs, 30% for PHCs, 30% for metal and inorganic parameters, and 10% for electrical conductivity.

In addition to the assessment of duplicate samples, BV Labs conducted further internal QA/QC tests, which included replicate sample analyses, process blanks, process recovery and matrix spike analyses. The results of these tests are provided with the laboratory certificates of analysis in **Appendix E**.

Evaluation of Laboratory Quality Assurance / Quality Control

As a first step in the review of the laboratory data, the laboratory QA/QC data were assessed (blanks, duplicates analyses, matrix and blank spikes, surrogate analytical recovery). With the exception of the following, BV Labs did not report any laboratory QA/QC qualifiers.

- For the organochlorine pesticide analysis of samples BH25-02-6 and BH25-04-7, BV Labs reported that detection limits were adjusted for high moisture content.

The above noted qualifier is not expected to have adversely impacted the overall DQO. No other QA/QC issues were noted by BV Labs regarding the analytical results for the soil samples.

Evaluation of Field Quality Assurance / Quality Control

The analytical results for the field duplicate samples are shown in **Table I**, **Appendix D**. RPDs for parent and field duplicate soil and groundwater samples collected at the Site were either within the alert limits or not calculated because the concentrations were less than the laboratory RLs or less than 5 times the RL in one or both samples with the exception of the following RPDs that were above the alert limits:

- Soil duplicate sample pair BH25-02-6/QC-01: electrical conductivity (RPD of 17% compared to an alert limit of 10%) and barium (RPD of 36% compared to an alert limit of 30%). Elevated RPDs were likely a result of sample heterogeneity. Because the sample RPD results exceeded the alert criteria, these values should be considered to be estimates. As a matter of conservacy, the higher of the two reported concentrations is taken to be indicative of conditions at that location and depth.

Conclusions

Based on the QA/QC evaluation, it was concluded that the DQO for this investigation was satisfied, and that the data were considered acceptable for use in this report.