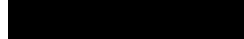


July 17, 2024

File: 133432095


Program Leader
Defence Construction Canada
36231 Engineer's Way, Bldg WL7
Halifax, NS B3K 5M6

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

1 Introduction

Stantec Consulting Ltd. (Stantec) is pleased to provide this Soil Management Plan (SMP) to Defence Construction Canada (DCC) and PCL Constructions Canada Inc. (PCL) including the environmental characterization of soil for the future development of the Land Based Testing Facility (LBTF), at Hartlen Point, in Eastern Passage, Nova Scotia (hereinafter referred to as the 'Site'), as shown on Figure 1, **Appendix A.**

2 Background

At the request of PCL and DCC, Stantec previously completed a document review and data gap analysis report to summarize the historical information available for the Site, as well as technical and regulatory guidance documents provided by DCC (Stantec, 2024a). The report outlined the minimum sampling requirements provided by DCC and identified gaps in these requirements compared to the data from previous soil investigations completed at the Site. Additional sampling recommendations were outlined for three distinct areas of the Site, referred to as:

- The Main Site (MS): a former woodland area, clearcut in 2023. MS included primarily vacant land with native soils, a dirt access road to the former Link11 facility, and former marine beacon (Site 5550).
- Link11 (LK): the location of a former tactical air navigation (TACAN) system (aircraft landing beacon). At the time of the field program the LK had been decommissioned, but not dismantled/demolished.
- Former Small Arms Firing Range (FR): vegetated land along the northeast boundary of the Site. From the 1940s until the 1960s this area reportedly included two small arms firing points and an impact mound.

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

Recommendations from the document review and data gap analysis report included the following:

- Additional representative in-situ testing required for relevant parameters at the Site:
 - MS: 20 additional petroleum hydrocarbon (PHC) samples (including benzene, toluene, ethylbenzene, and xylenes (BTEX) and PHC fractions 1 through 4 (F1-F4), 20 additional polycyclic aromatic hydrocarbon (PAH) samples, and 30 additional metals samples.
 - LK11: 15 additional PHC samples, 15 additional PAH samples, 15 additional metal samples, and 6 additional volatile organic compound (VOC) samples.
 - FR: 10 additional metals samples.
 - Additional analysis for per- and polyfluoroalkyl substances (PFAS) was recommended based on DCCs minimum sampling requirements provided; however, at the request of DCC PFAS was removed from the program.
- Excess soil from the Site should be used on-site to the greatest degree possible.
- During earth works/grading, periodic site supervision by qualified field staff should be conducted to identify potentially contaminated soil. Any suspected impacted/contaminated soil should be segregated during site development for additional testing.

3 Objective and Scope of Work

The objective of the project was to characterize soil quality expected to be disturbed during Site development and prepare a SMP based on the findings. Soil quality was to be assessed for contaminants of potential concern (COPCs) based on potential reuse on-site using the Federal Contaminated Sites Framework (FCSMF) for an Industrial Land Use site with non-potable groundwater, as well as Nova Scotia Contaminated Sites Regulations (CSR), Tier 1 Environmental Quality Standards (EQS) as applicable should soil be transferred to a potential receiving property under provincial jurisdiction.

To achieve this objective, Stantec completed the following scope of work:

- Developed a Health and Safety Plan (HSP) and conducted site reconnaissance.
- Prepared a Sample and Analytical Plan (SAP) providing detailed investigation locations (provided under separate cover).
- Coordinating on-site utility clearance of public utilities and retaining the services of a private utility locator.
- Oversaw the excavation contractor's completion of test pits on the Main Site and Link11.
- Collected soil samples at 30 test pit locations advanced on the Main Site.
- Collected eight blind field duplicate soil samples on the Main Site.
- Collected soil samples at 15 test pit locations advanced on the Link11 Site.
- Collected four blind field duplicate soil samples on the Link11 Site.
- Advanced ten hand auger locations on the former Firing Range Site.
- Collected soil samples from the ten hand auger locations on the former Firing Range Site.
- Submitted soil samples to Bureau Veritas (BV) Labs of Bedford, NS for select analysis of PHCs, PAHs, VOCs, and/or metals.
- Recorded field observations and collected photographs.
- Prepared this SMP providing methodology, results, discussion, and recommendations.

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

4 Methodology

Test pits on the Main Site and Link11 were advanced using a track-mounted excavator operated by G&R Kelly Enterprises Ltd. Test holes on the former Firing Range area were advanced using hand auger techniques.

Maximum depth of test pits were approximately 5.0 meters below ground surface (mbgs). While hand auger test holes were advanced a maximum of 0.1 mbgs. Grab samples were uniquely labelled and placed in laboratory supplied containers and preserved in insulated coolers for submission to the BV for analysis. All soil samples were collected in accordance with Stantec and MARLANT's Standard Operating Procedures (SOPs) and DND's Contaminated Soil Instruction (CSI.004.001). Control was maintained through the use of chain of custody (COC) forms.

Following sample collection, test pits and test holes were backfilled with the excavated material. Test pit and test hole locations are shown on Figure 1 and Figure 2, **Appendix A**.

5 Regulatory Framework

To assess options for soil reuse and disposal, Stantec screened the analytical data against federal soil quality guidelines (SQGs), provincial environmental quality standards (EQSs), for prescribed land uses including commercial and industrial.

5.1 Federal Guidelines

To assess soil quality for on-site reuse or potential off-site management at another federal property, soil analytical results were screened against the following SQGs and standards (including standards for both coarse grained and fine-grained soil where applicable):

- Canadian Council of Ministers of the Environment (CCME) Tier 1 Soil Quality Guidelines for the Protection of Environmental and Human Health (CCME, 2023)
- CCME Tier 1 Canada Wide Standards (CWS) for Petroleum Hydrocarbons (PHC) in Soil (CCME, 2008)

5.2 Provincial Standards

To assess soil quality for potential offsite management/disposal, soil analytical results were screened against the following provincial Environmental Quality Standards (EQS):

- Nova Scotia Environment and Climate Change (NSECC) Tier 1 EQS (NSECC, 2022) for commercial and industrial sites with coarse-grained soil.

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

5.3 Deviations from the CSI

At the request of DCC, PFAS was removed from the soil characterization program based on the following considerations:

- The bulk of the soil disturbed during construction of the LBTF is expected to be re-used on the Site, wherever possible;
- Soil sampling previously conducted at the Site did not identify the presence of PFAS; and
- A review of previous reports completed for the Site did not identify any known or suspected sources of PFAS on the Site.

6 Results

The applied federal screening levels are shown on Table 1A to 3A, in **Appendix B**. The applied provincial screening levels are shown on Table 1B to 3B, in **Appendix B**. Laboratory Certificates of Analysis (COAs) and COC records are included in **Appendix C**.

The SMP including recommendations and disposal options for the excess soil generated at the Site are provided in **Appendix F**.

6.1 General Observations and Stratigraphy

Site observations are documented in the photolog provided in **Appendix D**. Test pit logs are included in **Appendix E**.

The Site was primarily surfaced with native soil consisting of dark brown silty sand with varying amounts of cobbles, overlying clay and minor cobbles to the maximum depth of excavation of 4.57 mbgs. With the exception of several test pits within the Link11 portion of the Site where TP24-LK01, TP24-LK07, and TP24-LK12 within Link11 had gravel fill present at surface to depths of 0.3 m to 2.0 mbgs. Suspected PHC staining was observed at a depth of 0.3 mbgs to 2.5 mbgs at TP24-LK03. Bedrock was not encountered during the excavation of the test pits.

6.2 Federal Screening results

Results screened to federal criteria are discussed in the following sections:

6.2.1 Petroleum Hydrocarbons (BTEX and PHC F1-F4)

Concentrations of ethylbenzene exceeded the applied Tier 1 CCME SQG for both commercial and industrial land use in one soil sample collected from TP24-LK03 soil sample one (SS1).

Concentrations of PHC F2 and F3 exceeded the Tier 1 CWS for commercial and industrial land use (fine and coarse-grained), based on soil leaching to potable groundwater in one soil sample collected from TP24-LK03 SS1.

Based on the analytical results an area of PHC impacts were identified on the Link11 portion of the Site, near the northeast corner of the Link11 building.

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

6.2.2 Polycyclic Aromatic Hydrocarbons

Concentrations of anthracene and fluorene exceeded the CCME Tier 1 SQGs for commercial and industrial land use (based on protection of freshwater aquatic life), in one soil sample collected from TP24-LK03 SS1. B[a]P TPE is a calculated parameter that is compared to guidelines for the protection of human health. Calculated B[a]P TPE exceeds the CCME Tier 1 SQGs for a 1×10^{-5} incremental lifetime cancer risk for both commercial and industrial land use at one sample location TP24-LK03 SS1.

Concentrations of naphthalene exceeded the CCME Tier 1 SQGs for commercial and industrial land use in two soil samples collected from the Link11 portion of the Site (TP24-LK03 SS1 and TP24-LK07 SS1).

Concentrations of phenanthrene exceeded the CCME Tier 1 SQGs for commercial and industrial land use (protection of freshwater aquatic life and environmental health guidelines based on non-carcinogenic effects of PAHs), in three soil samples collected from the Link11 portion of the Site (TP24-LK03 SS1, TP24-LK07 SS1, and TP24-LK12 SS1).

Based on the analytical results three areas of PAH impacts were identified on the Link11 portion of the Site. Impacts at the TP24-LK03 test pit location will also be removed during remedial excavation of the PHC impacts at this same location. Boundaries of the excavation should be sampled and submitted for laboratory analysis of PAHs in addition to PHCs, to confirm clean boundaries.

6.2.3 Metals and Volatile Organic Compounds

Concentrations of metals and VOCs in samples collected from the Main Site, Link11 and the former Firing Range areas met the CCME Tier 1 SQGs for commercial and industrial land use.

6.3 Provincial Screening Results

Soil analytical results screened against provincial EQS for a non-potable site with coarse-grained soil (i.e., the most stringent guidelines). Results are tabulated in Tables 1B, 2B, and 3B, **Appendix B**, and are discussed below.

6.3.1 Petroleum Hydrocarbons (BTEX and modified TPH)

Detectable concentrations of PHCs were identified in soil samples collected from several of the test pits completed within the Link11 portion of the Site; however, no concentrations of PHCs exceeding the Nova Scotia Tier 1 EQS for commercial or industrial land use were identified.

Detectable concentrations of PHCs were not identified in the samples collected from the Main Site, therefore no exceedances of the Nova Scotia Tier 1 EQS for commercial or industrial land use were identified.

6.3.2 Metals

Concentrations of iron exceeded the Tier 1 EQS for commercial land use in 26 of the 32 samples collected from the Main Site. Concentrations of manganese also exceeded the Tier 1 EQS for commercial land use in 18 of the 32 samples collected from the Main Site.

Concentrations of iron exceeded the Tier 1 EQS for industrial land use in 13 of the 16 samples collected from the Link11 portion of the Site. Concentrations of manganese exceeded the Tier 1 EQS for industrial land use in eight of the 16 samples collected from the Link11 portion of the Site.

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

Concentrations of iron exceeded the Tier 1 EQS for commercial land use in seven of the 11 samples collected from the former Firing Range portion of the Site.

Based on the analytical results, concentrations of iron and manganese were identified across the Site in similar concentrations, and therefore are considered to be background concentrations for these parameters.

6.3.3 Polycyclic Aromatic Hydrocarbons

B[a]P TPE is a calculated parameter that is compared to guidelines for the protection of human health. Calculated B[a]P TPE exceeds the NSECC Tier 1 EQS for a 1×10^{-5} incremental lifetime cancer risk for both commercial and industrial land use at one sample location TP24-LK03 SS1.

6.3.4 Volatile Organic Compounds

Concentrations of VOCs did not exceed the Tier 1 EQS for either commercial or industrial land use in the soil samples submitted for laboratory analysis. Due to the low Tier 1 EQS, the laboratory reportable detection limit for bromomethane was above the Tier 1 EQS for both commercial and industrial land uses.

6.4 Quality Control/Quality Analysis Results

Blind field duplicate samples are presented in Tables 1A through 3A and 1B through 3B, **Appendix B**. The blind field duplicate samples were used to assess the precision of the sampling and analytical procedures. The Relative Percent Difference (RPD) is calculated using the following formula:

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

where C_1 is the concentration in the original sample and C_2 is the concentration in the sample duplicate. If the results for either or both the original sample and the duplicate were below the laboratory RDLs, the RPD was not calculated. CCME generally recommends field duplicate RPDs not be greater than 60% in soil (CCME, 2016).

Where calculated, RPDs were less than 60%. For the purpose of this investigation, the analytical data is considered to be reliable.

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

7 Conclusions and Recommendations

Stantec oversaw the excavation of 30 test pits on the Main Site, 15 test pits on the Link11 portion of the Site, and advanced ten hand auger locations on the former Firing Range portion of the Site. Soil samples were collected from each of the investigation locations to characterize the soil that is expected to be disturbed during the development of the Site.

The stratigraphy beneath the Site was found to generally consist dark brown silt sand with varying amounts of cobble, overlying clay with monitor cobble to the maximum excavation depth of 4.57 mbgs. Gravel fill present at service was identified at three test pit locations within the Link11 portion of the Site to a maximum depth of 2.0 mbgs. PHC odours and staining were noted within TP24-LK03 at a depth of 0.3 mbgs to 2.5 mbgs.

The findings of the April 2024 soil characterization program conducted at the LBTF indicated the following:

- PHCs (ethylbenzene, CWS F2 and F3 fractions) exceeding the applied CCME SQGs or Tier 1 CWS were identified at one location within the Link11 portion of the Site. PHCs did not exceed the Provincial Tier 1 EQS for commercial and industrial land uses.
- PAHs exceeding the applied CCME SQGs were identified at three locations within the Link 11 portion of the Site. PAHs exceeding the Provincial Tier 1 EQS were also identified at one location within the Link11 portion of the Site. The PAH exceedances were related to the potential for soil leaching and migration to surface water and affecting aquatic life and are independent of land use.
- Metals (iron and manganese) exceeding the Provincial Tier 1 EQS were identified throughout the Site; however, based on the results, the detected concentrations are believed to be associated with background soil conditions at the Site and not a result of an anthropogenic source. Metals did not exceed the applied CCME SQGs.
- VOCs generally met the Tier 1 Federal or Tier 1 Provincial screening levels. However, due to the low Provincial Tier 1 EQS, the laboratory reportable detection limit for Bromomethane was above the Tier 1 EQS for commercial and industrial land uses.
- PFAS was excluded from the soil characterization and sampling program at the request of DCC.
- With the exception of the PHC and PAH impacted soil identified at Link 11, there are no environmental restrictions for the re-use of excess soil on-site.

A Soil Management Plan and Soil Management Options developed from the results of the Soil Characterization of the Site, are presented in **Appendix F**.

Based on these findings, no widespread contamination was identified at the Site. Exceedances of CCME Tier 1 SQGs or Tier 1 CWS for commercial and industrial land uses were identified for PHCs and PAHs in a small number of samples (one to three samples max). Exceedances of the Tier 1 EQS for commercial and industrial land uses were identified for PAHs and metals in a small number of samples.

An area with PHC and PAH impacts were identified on the Link11 portion of the Site, near the northeast corner of the Link11 building (TP24-LK03). Stantec recommends excavating the impacted soil for off-site disposal at a commercial treatment facility. The boundaries of the remedial excavation should be sampled and submitted for laboratory analysis of PHCs and PAHs to confirm boundary conditions (i.e., meet the Tier 1 CWS). An impacted soil volume estimate is provided in Section F-6.0, in **Appendix F**. Where the PHC impacted soil does not meet the CCME criteria for the land use of Site, offsite disposal is recommended as per Section 12.1 of CSI.004.001 (DND, 2024). Offsite disposal of excess soil at a provincially approved treatment/disposal facility is recommended. DND should confirm facility specific acceptance criteria as

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

required. Future soil handling including stockpile management and transportation of soil for offsite disposal should be in accordance with the requirements of CSI.004.001 (DND, 2024).

While the analytical results identified exceedances of the Tier 1 EQS for iron and manganese, concentrations were consistent across the Site, and therefore are likely to be representative of naturally background conditions at the site and other areas of Nova Scotia. However, if excess soil is to be transferred to an off-site property, the receiving property shall have similar naturally occurring soil conditions (i.e., naturally occurring elevated concentrations of iron and manganese). Additional constraints and recommendations for consideration, associated with transfer of soil from the Site to a receiving property, are detailed in Section F-2.0, in **Appendix F**.

While PFAS sampling was excluded from the soil characterization sampling program, Stantec recommends that any stockpiled material to be removed from the Site for re-use on non-federal/DND land, should be re-sampled for all COPCs, including PFAS, prior to removal from the Site to confirm that the soil meets the environmental standards for transfer to the proposed receiving property.

Based on the presence of contaminants with concentrations exceeding screening levels for human health – direct contact, the health and safety plan for proposed development in this area should include protection for workers coming into contact with the soil (e.g., use of personal protective equipment).

8 Closure

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.



Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

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.

Regards,

STANTEC CONSULTING LTD.



- Attachments:
- Appendix A – Figures
 - Appendix B – Analytical Tables
 - Appendix C – Laboratory Reports
 - Appendix D – Photographic Log
 - Appendix E – Test Pit Logs
 - Appendix F – Soil Management Plan

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

9 References

- CCME. (2008). *Canada-Wide Standards for Petroleum Hydrocarbons (PHC) in Soil*. Canadian Council of Ministers of the Environment.
- CCME. (2016). *Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment – Volume 1 Guidance Manual*.
- CCME. (2023). *Soil Quality Guidelines for the Protection of Environmental and Human Health*. Canadian Council of Ministers of the Environment.
- DND. (2024). *Contaminated Sites Instruction (CSI.004.001) Soil Management, GCDOCS 32041302 Version 4.1*. Department of National Defense.
- NSECC. (2022). *Notification of Contamination Protocol*. Nova Scotia Environment and Climate Change.

July 17, 2024

Page A-1

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

Attachment A Figures

\\Ca0151-pp1ss01\stjohns\DATA\B\CADD\DATA\OBIS\1334-32095\mapping\aprx\1334-32095_001_SoilManagementPlan.aprx Revised: 2024-07-04 By: schubbs

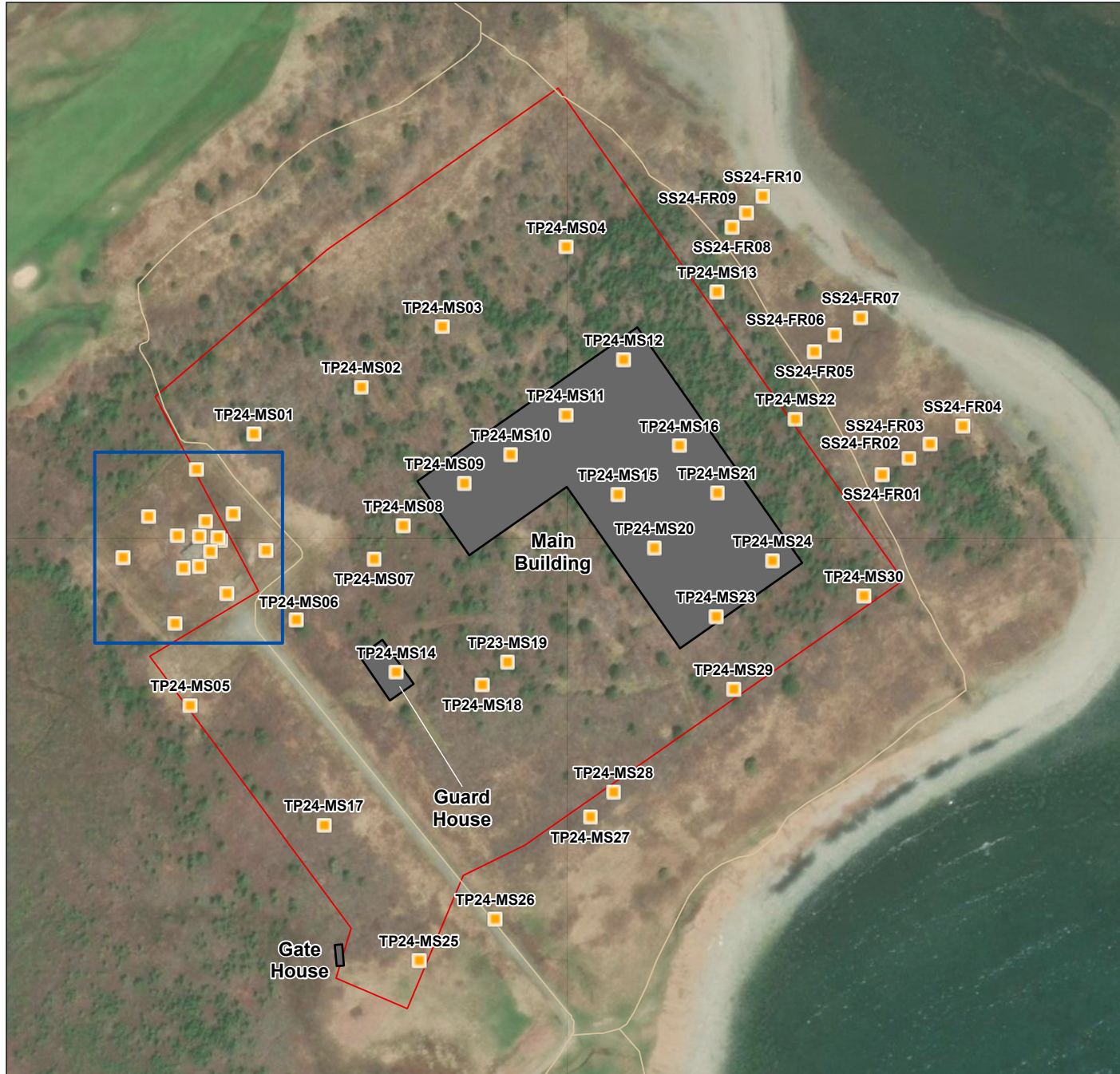


Figure No.

1

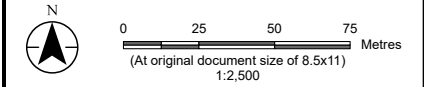
Title

Project Location - Soil Management Plan

Client/Project 133432095_001

Defence Construction Canada
Land Based Test Facility (LBTf)

Project Location Hartlen Point, Eastern Passage
Nova Scotia Prepared by SC on 2024-07-04



- Sampling Location
- Resource / Seasonal Road
- Study Area
- LBTf Footprint
- Link 11 - Area of Interest (see Figure 2)



Notes

1. Coordinate System: NAD 1983 CSRS UTM Zone 20N
2. Data Sources: Nova Scotia Road Network (NSRN), Stantec 2024
3. Background: ESRI Imagery 2024





Figure No.

2

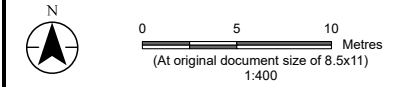
Title

Soil Management Plan - Link 11

Client/Project 133432095_002

Defence Construction Canada
Land Based Test Facility (LBTf)

Project Location Hartlen Point, Eastern Passage
Nova Scotia Prepared by SC on 2024-05-31



■ Sampling Location

— Resource / Seasonal Road



Notes

- 1. Coordinate System: NAD 1983 CSRS UTM Zone 20N
- 2. Data Sources: Nova Scotia Road Network (NSRN), Stantec 2024
- 3. Background: ESRI Imagery 2024



July 17, 2024

Page B-1

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

Attachment B Tables

Table 1A
Summary of Soil Analytical Results – Main Site
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location Sample Date Sample ID Sampling Company Laboratory Laboratory Work Order Laboratory Sample ID Sample Type	Units	CCME	TP24-MS21 29-Apr-24 TP24-MS 21 SS1 STANTEC BV C4C8074 ZAO570	TP24-MS22 29-Apr-24 TP24-MS 22 SS1 STANTEC BV C4C8074 ZAO571	TP24-MS23 29-Apr-24 TP24-MS 23 SS1 STANTEC BV C4C8074 ZAO572	29-Apr-24 TP24-MS 24 SS1 STANTEC BV C4C8074 ZAO573	TP24-MS24 29-Apr-24 TP24-DUP6 SS1 STANTEC BV C4C8074 ZAO582 Field Duplicate	RPD (%)	TP24-MS25 30-Apr-24 TP24-MS25 SS1 STANTEC BV C4C8448 ZAO956	TP24-MS26 30-Apr-24 TP24-MS26 SS1 STANTEC BV C4C8448 ZAO957	TP24-MS27 29-Apr-24 TP24-MS 27 SS1 STANTEC BV C4C8074 ZAO574	TP24-MS28 29-Apr-24 TP24-MS 28 SS1 STANTEC BV C4C8074 ZAO575	TP24-MS29 29-Apr-24 TP24-MS 29 SS1 STANTEC BV C4C8074 ZAO576	29-Apr-24 TP24-MS 30 SS1 STANTEC BV C4C8074 ZAO577	TP24-MS30 29-Apr-24 TP24-MS DUP1 SS1 STANTEC BV C4C8074 ZAO578 Field Duplicate	RPD (%)
Physical Properties																
Moisture Content	%	n/v	-	15	13	-	-	-	-	11	16	14	-	15	14	7%
Metals																
Aluminum	mg/kg	n/v	13,000	15,000	12,000	13,000	13,000	0%	14,000	12,000	10,000	12,000	13,000	14,000	-	-
Antimony	mg/kg	40 ^{RP} 40 ^D 40 ^S	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	mg/kg	12 ^{RP} 12 ^D 12 ^S	8.7	9.3	7.7	9.0	8.7	nc	8.4	12	6.1	8.5	8.6	11	-	-
Barium	mg/kg	2,000 ^{RP} 2,000 ^D 2,000 ^S	170	130	130	150	140	7%	120	86	23	110	63	180	-	-
Beryllium	mg/kg	8 ^{RP} 8 ^D 8 ^S	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bismuth	mg/kg	n/v	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Boron	mg/kg	n/v	<50	<50	<50	<50	<50	nc	<50	<50	<50	<50	<50	<50	<50	<50
Cadmium	mg/kg	22 ^{RP} 22 ^D 22 ^S	<0.30	<0.30	<0.30	<0.30	<0.30	nc	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chromium	mg/kg	87 ^{RP} 87 ^D 87 ^S	22	24	20	22	22	0%	22	19	15	17	21	24	-	-
Cobalt	mg/kg	300 ^{RP} 300 ^D 300 ^S	12	13	11	12	12	0%	14	10	6.1	15	9.8	18	-	-
Copper	mg/kg	91 ^{RP} 91 ^D 91 ^S	22	21	18	19	20	5%	20	18	8.3	12	14	22	-	-
Iron	mg/kg	n/v	29,000	31,000	25,000	28,000	28,000	0%	29,000	26,000	20,000	25,000	30,000	31,000	-	-
Lead	mg/kg	260 ^P 260 ^D 600 ^R 600 ^S	14	16	38	14	14	7%	13	13	10	13	17	-	-	-
Lithium	mg/kg	n/v	28	29	24	26	26	0%	25	22	19	23	25	26	-	-
Manganese	mg/kg	n/v	1,000	620	1,000	880	730	19%	960	620	320	1,000	540	1,700	-	-
Mercury	mg/kg	24 ^P 24 ^D 50 ^R 50 ^S	<0.10	<0.10	<0.10	<0.10	<0.10	nc	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Molybdenum	mg/kg	40 ^{RP} 40 ^D 40 ^S	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Nickel	mg/kg	89 ^{RP} 89 ^D 89 ^S	27	30	24	27	27	0%	28	21	14	20	21	35	-	-
Rubidium	mg/kg	n/v	11	14	12	13	12	8%	9.7	8.6	11	12	13	-	-	-
Selenium	mg/kg	2.9 ^{RP} 2.9 ^D 2.9 ^S	<0.50	<0.50	<0.50	<0.50	<0.50	nc	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Silver	mg/kg	40 ^{RP} 40 ^D 40 ^S	<0.50	<0.50	<0.50	<0.50	<0.50	nc	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Strontium	mg/kg	n/v	16	21	14	21	23	nc	9.8	9.1	<5.0	9.6	7.5	15	-	-
Thallium	mg/kg	1 ^{RP} 1 ^D 1 ^S	<0.10	0.11	0.11	0.11	<0.10	nc	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	-	-
Tin	mg/kg	300 ^{RP} 300 ^D 300 ^S	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Uranium	mg/kg	33 ^P 33 ^D 300 ^R 300 ^S	0.74	0.78	1.0	0.79	0.81	3%	0.66	0.73	0.45	0.79	0.64	0.87	-	-
Vanadium	mg/kg	130 ^{RP} 130 ^D 130 ^S	21	23	21	21	21	0%	23	21	18	27	25	25	-	-
Zinc	mg/kg	410 ^{RP} 410 ^D 410 ^S	58	67	51	59	60	2%	58	48	30	38	44	62	-	-

Notes:

- CCME Canadian Council of Ministers of the Environment
- A Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for a Commercial land use (Table 1 - Direct contact)
- B Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for a Commercial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
- C Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for a Commercial land use (Table 1 - Protection of potable water)
- D Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for an Industrial land use (Table 1 - Direct contact)
- E Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for an Industrial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
- F Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for an Industrial land use (Table 1 - Protection of potable water)
- G Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for a Commercial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
- H Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Environmental Health)
- I Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
- J Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Soil Contact)
- K Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for an Industrial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
- L Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Environmental Health)
- M Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
- N Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil and food ingestion)
- O Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008. revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil Contact)
- P Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and coarse grained soil - soil leaching to potable groundwater
- Q Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and fine grained soil - soil leaching to potable groundwater
- R Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and coarse grained soil - soil leaching to potable groundwater
- S Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and fine grained soil - soil leaching to potable groundwater
- T Canada Wide Standards for PHC in Soil - Commercial - Coarse, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- U Canada Wide Standards for PHC in Soil - Commercial land use - Coarse-grained Surface Soil, Tier 1 (Revised Jan 2008, Table 3), lowest guideline
- V Canada Wide Standards for PHC in Soil - Commercial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- W Canada Wide Standards for PHC in Soil - Commercial land use - Fine-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 2), lowest guideline
- X Canada Wide Standards for PHC in Soil - Industrial - Coarse, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- Y Canada Wide Standards for PHC in Soil - Industrial land use - Coarse-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 3), lowest guideline
- Z Canada Wide Standards for PHC in Soil - Industrial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- a Canada Wide Standards for PHC in Soil - Industrial land use - Fine-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 2), lowest guideline
- 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.
- ° This value is the Soil Quality Guideline for the Protection of Freshwater Life. Users may wish to consider the application, on a site-specific basis, of this value where potential impacts to nearby surface waters are a concern (the value may be less than the common limit of detection in some jurisdictions; contact jurisdiction for guidance). If impact to surface water is not a concern, it is recommended to revert to the 1997 provisional SQGE for naphthalene and the 1991 Interim Soil Quality Criteria for phenanthrene.
- °7 Standard is applicable to PHC in the F1 range minus BTEX.
- RPD Relative Percent Difference.
- 61% RPD exceeds data quality objective of 60%.
- 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.

Table 1B
Summary of Soil Analytical Results – Main Site
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location			TP24-MS01				TP24-MS02		TP24-MS03		TP24-MS04	TP24-MS05		TP24-MS06		
Sample Date			30-Apr-24	30-Apr-24	30-Apr-24		30-Apr-24	30-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	30-Apr-24	30-Apr-24	30-Apr-24	30-Apr-24	
Sample ID			TP24-MS01 SS1	TP24-MS01 SS2	TP24-MS DUP5 SS1	RPD (%)	TP24-MS02 SS1	TP24-MS02 SS2	TP24-MS 03 SS1	TP24-MS 03 SS2	TP24-MS 04 SS1	TP24-MS05 SS1	TP24-MS05 SS2	TP24-MS06 SS1	TP24-MS06 SS2	
Sampling Company			STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	
Laboratory			BV	BV	BV		BV	BV	BV	BV	BV	BV	BV	BV	BV	
Laboratory Work Order			C4C8448	C4C8448	C4C8448		C4C8448	C4C8448	C4C8074	C4C8074	C4C8074	C4C8448	C4C8448	C4C8448	C4C8448	
Laboratory Sample ID			ZAQ946	ZAQ947	ZAQ958		ZAQ948	ZAQ949	ZAO549	ZAO550	ZAO551	ZAQ950	ZAQ951	ZAQ952	ZAQ953	
Sample Type	Units	NSECC			Field Duplicate											
Physical Properties																
Moisture Content	%	n/v	23	12	11	9%	-	10	-	10	-	22	13	24	13	
Metals																
Aluminum	mg/kg	15,400 ^A 220,000 ^B	9,900	-	-	-	12,000	-	5,600	-	14,000	8,200	-	4,000	-	
Antimony	mg/kg	7.5 ^A 63 ^B	<2.0	-	-	-	<2.0	-	<2.0	-	<2.0	<2.0	-	<2.0	-	
Arsenic	mg/kg	31 ^A 31 ^B	6.8	-	-	-	9.0	-	3.1	-	16	5.2	-	2.7	-	
Barium	mg/kg	10,000 ^A 96,000 ^B	19	-	-	-	19	-	8.9	-	140	20	-	10	-	
Beryllium	mg/kg	110 ^A 1,100 ^B	<1.0	-	-	-	<1.0	-	<1.0	-	<1.0	<1.0	-	<1.0	-	
Bismuth	mg/kg	n/v	<2.0	-	-	-	<2.0	-	<2.0	-	<2.0	<2.0	-	<2.0	-	
Boron	mg/kg	4,300 ^A 24,000 ^B	<50	-	-	-	<50	-	<50	-	<50	<50	-	<50	-	
Cadmium	mg/kg	49 ^A 192 ^B	<0.30	-	-	-	<0.30	-	<0.30	-	<0.30	<0.30	-	<0.30	-	
Chromium	mg/kg	630 ^A 2,300 ^B	14	-	-	-	17	-	9.3	-	21	11	-	4.9	-	
Cobalt	mg/kg	22 ^A 250 ^B	3.7	-	-	-	5.6	-	2.6	-	10	3.4	-	1.5	-	
Copper	mg/kg	4,000 ^A 16,000 ^B	5.6	-	-	-	5.9	-	2.7	-	20	7.0	-	2.8	-	
Iron	mg/kg	11,000 ^A 164,000 ^B	27,000^A	-	-	-	33,000^A	-	11,000	-	27,000^A	14,000^A	-	6,100	-	
Lead	mg/kg	260 ^A 740 ^B	9.4	-	-	-	17	-	5.0	-	14	13	-	6.9	-	
Lithium	mg/kg	n/v	11	-	-	-	17	-	11	-	27	11	-	4.0	-	
Manganese	mg/kg	360 ^A 5,200 ^B	160	-	-	-	270	-	120	-	480^A	160	-	80	-	
Mercury	mg/kg	24 ^A 99 ^B	<0.10	-	-	-	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	-	
Molybdenum	mg/kg	110 ^A 1,200 ^B	<2.0	-	-	-	<2.0	-	<2.0	-	<2.0	<2.0	-	<2.0	-	
Nickel	mg/kg	310 ^A 2,500 ^B	10	-	-	-	11	-	7.1	-	27	8.4	-	3.8	-	
Rubidium	mg/kg	n/v	11	-	-	-	12	-	6.1	-	11	6.6	-	4.3	-	
Selenium	mg/kg	125 ^A 1,135 ^B	<0.50	-	-	-	1.2	-	<0.50	-	<0.50	<0.50	-	<0.50	-	
Silver	mg/kg	77 ^A 490 ^B	<0.50	-	-	-	<0.50	-	<0.50	-	<0.50	<0.50	-	<0.50	-	
Strontium	mg/kg	9,400 ^A 140,000 ^B	<5.0	-	-	-	<5.0	-	<5.0	-	11	<5.0	-	<5.0	-	
Thallium	mg/kg	1 ^A 1 ^B	<0.10	-	-	-	<0.10	-	<0.10	-	0.12	<0.10	-	<0.10	-	
Tin	mg/kg	9,400 ^A 140,000 ^B	<1.0	-	-	-	<1.0	-	<1.0	-	<1.0	<1.0	-	<1.0	-	
Uranium	mg/kg	33 ^A 300 ^B	0.37	-	-	-	0.53	-	0.29	-	0.82	0.44	-	0.24	-	
Vanadium	mg/kg	39 ^A 160 ^B	26	-	-	-	29	-	11	-	19	17	-	10	-	
Zinc	mg/kg	16,000 ^A 140,000 ^B	32	-	-	-	24	-	16	-	60	18	-	7.0	-	

- Notes:**
- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
 - ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
 - ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
 - 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.
 - NA Not analyzed.
 - RPD Relative Percent Difference.
 - 61%** RPD exceeds data quality objective of 60%.
 - 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.

Table 1B
Summary of Soil Analytical Results – Main Site
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location	Sample Date	Sample ID	Sampling Company	Laboratory	Laboratory Work Order	Laboratory Sample ID	Sample Type	Units	NSECC	TP24-MS01			TP24-MS02		TP24-MS03		TP24-MS04	TP24-MS05		TP24-MS06	
										30-Apr-24 TP24-MS01 SS1	30-Apr-24 TP24-MS01 SS2	30-Apr-24 TP24-MS DUP5 SS1	30-Apr-24 TP24-MS02 SS1	30-Apr-24 TP24-MS02 SS2	29-Apr-24 TP24-MS 03 SS1	29-Apr-24 TP24-MS 03 SS2	29-Apr-24 TP24-MS 04 SS1	30-Apr-24 TP24-MS05 SS1	30-Apr-24 TP24-MS05 SS2	30-Apr-24 TP24-MS06 SS1	30-Apr-24 TP24-MS06 SS2
BTEX and Petroleum Hydrocarbons																					
Benzene	mg/kg	0.52 ^A 0.52 ^B	-	<0.0050	<0.0050	nc	-	<0.0050	-	<0.0050	-	<0.0050	-	<0.0050	-	<0.0050	-	<0.0050	-	<0.0050	-
Toluene	mg/kg	1,400 ^A 4,700 ^B	-	<0.050	<0.050	nc	-	<0.050	-	<0.050	-	<0.050	-	<0.050	-	<0.050	-	<0.050	-	<0.050	-
Ethylbenzene	mg/kg	3,100 ^A 10,000 ^B	-	<0.010	<0.010	nc	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-
Xylenes, Total	mg/kg	60 ^A 60 ^B	-	<0.050	<0.050	nc	-	<0.050	-	<0.050	-	<0.050	-	<0.050	-	<0.050	-	<0.050	-	<0.050	-
PHC F1 (C6-C10 range) minus BTEX	mg/kg	n/v	-	<2.5	<2.5	nc	-	<2.5	-	<2.5	-	<2.5	-	<2.5	-	<2.5	-	<2.5	-	<2.5	-
PHC F2 (>C10-C16 range)	mg/kg	n/v	-	<10	<10	nc	-	<10	-	<10	-	<10	-	<10	-	<10	-	<10	-	<10	-
>C16-C21 Hydrocarbons	mg/kg	n/v	-	<10	<10	nc	-	<10	-	<10	-	<10	-	<10	-	<10	-	<10	-	<10	-
>C21-<C32 Hydrocarbons	mg/kg	n/v	-	<15	<15	nc	-	<15	-	<15	-	<15	-	<15	-	<15	-	<15	-	<15	-
Chromatogram to baseline at C32	none	n/v	-	NA	NA	nc	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Hydrocarbon Resemblance	none	n/v	-	NA	NA	nc	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Modified TPH (Tier 1)	mg/kg	2,000 ^{AB} /10,000 ^{AB} /10,000 ^{AB}	-	<15	<15	nc	-	<15	-	<15	-	<15	-	<15	-	<15	-	<15	-	<15	-
Polycyclic Aromatic Hydrocarbons (PAHs)																					
Acenaphthene	mg/kg	8,000 ^A 43,000 ^B	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-
Acenaphthylene	mg/kg	66 ^A 66 ^B	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-
Anthracene	mg/kg	37,000 ^A 300,000 ^B	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.013	-	<0.010	-	<0.010	-	<0.010	-
Benzo(a)anthracene	mg/kg	n/v	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.084	-	<0.010	-	<0.010	-	<0.010	-
Benzo(a)pyrene	mg/kg	n/v	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	<0.070	-	<0.010	-	<0.010	-	<0.010	-
Benzo(b)fluoranthene	mg/kg	n/v	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.061	-	<0.010	-	<0.010	-	<0.010	-
Benzo(b/j)fluoranthene	mg/kg	n/v	<0.020	-	-	-	-	<0.020	-	<0.020	-	<0.020	-	0.096	-	<0.020	-	<0.020	-	<0.020	-
Benzo(g,h,i)perylene	mg/kg	n/v	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.040	-	<0.010	-	<0.010	-	<0.010	-
Benzo(j)fluoranthene	mg/kg	n/v	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.036	-	<0.010	-	<0.010	-	<0.010	-
Benzo(k)fluoranthene	mg/kg	n/v	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.037	-	<0.010	-	<0.010	-	<0.010	-
Chrysene	mg/kg	n/v	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.11	-	<0.010	-	<0.010	-	<0.010	-
Dibenzo(a,h)anthracene	mg/kg	n/v	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-
Fluoranthene	mg/kg	5,300 ^A 50,000 ^B	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.15	-	<0.010	-	<0.010	-	<0.010	-
Fluorene	mg/kg	4,100 ^A 39,000 ^B	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-
Indeno(1,2,3-cd)pyrene	mg/kg	n/v	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.035	-	<0.010	-	<0.010	-	<0.010	-
Methylnaphthalene, 1-	mg/kg	72 ^A 560 ^B	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-
Methylnaphthalene, 2-	mg/kg	72 ^A 560 ^B	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-
Naphthalene	mg/kg	25 ^A 25 ^B	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-	<0.010	-
Perylene	mg/kg	n/v	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.016	-	<0.010	-	<0.010	-	<0.010	-
Phenanthrene	mg/kg	n/v	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.016	-	<0.010	-	<0.010	-	<0.010	-
Pyrene	mg/kg	3,200 ^A 30,000 ^B	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.14	-	<0.010	-	<0.010	-	<0.010	-
B(a)P TPE	mg/kg	5.3 ^{AB}	<0.010	-	-	-	-	<0.010	-	<0.010	-	<0.010	-	0.11	-	<0.010	-	<0.010	-	<0.010	-

Notes:

- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
- ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
- ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
- 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.
- NA Not analyzed.
- RPD Relative Percent Difference.
- 61%** RPD exceeds data quality objective of 60%.
- 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.

Table 1B
Summary of Soil Analytical Results – Main Site
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location			29-Apr-24	TP24-MS07			TP24-MS08		TP24-MS09	TP24-MS10			TP24-MS11	TP24-MS12	TP24-MS13	
Sample Date			TP24-MS 07 SS1	TP24-MS 07 SS2	TP24-MS DUP3 SS1		TP24-MS 08 SS1	TP24-MS 08 SS2	TP24-MS 09 SS1	TP24-MS 10 SS1	TP24-DUP4 SS1		TP24-MS 11 SS1	TP24-MS 12 SS1	TP24-MS 13 SS1	
Sample ID			STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	
Sampling Company			BV	BV	BV		BV	BV	BV	BV	BV		BV	BV	BV	
Laboratory			C4C8074	C4C8074	C4C8074		C4C8074	C4C8074	C4C8074	C4C8074	C4C8074		C4C8074	C4C8074	C4C8074	
Laboratory Work Order			ZAO552	ZAO553	ZAO580		ZAO554	ZAO555	ZAO556	ZAO557	ZAO581		ZAO558	ZAO559	ZAO560	
Laboratory Sample ID						RPD (%)					Field Duplicate	RPD (%)				
Sample Type	Units	NSECC														
Physical Properties																
Moisture Content	%	n/v	-	11	11	0%	23	14	-	13	12	8%	-	13	-	
Metals																
Aluminum	mg/kg	15,400 ^A 220,000 ^B	8,600	-	-	-	5,800	-	2,700	13,000	-	-	9,500	12,000	13,000	
Antimony	mg/kg	7.5 ^A 63 ^B	<2.0	-	-	-	<2.0	-	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	
Arsenic	mg/kg	31 ^A 31 ^B	7.5	-	-	-	5.7	-	<2.0	9.5	-	-	15	9.2	9.2	
Barium	mg/kg	10,000 ^A 96,000 ^B	17	-	-	-	9.7	-	<5.0	150	-	-	190	140	100	
Beryllium	mg/kg	110 ^A 1,100 ^B	<1.0	-	-	-	<1.0	-	<1.0	<1.0	-	-	<1.0	<1.0	<1.0	
Bismuth	mg/kg	n/v	<2.0	-	-	-	<2.0	-	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	
Boron	mg/kg	4,300 ^A 24,000 ^B	<50	-	-	-	<50	-	<50	<50	-	-	<50	<50	<50	
Cadmium	mg/kg	49 ^A 192 ^B	<0.30	-	-	-	<0.30	-	<0.30	<0.30	-	-	<0.30	<0.30	<0.30	
Chromium	mg/kg	630 ^A 2,300 ^B	12	-	-	-	7.6	-	4.3	22	-	-	17	22	21	
Cobalt	mg/kg	22 ^A 250 ^B	3.6	-	-	-	1.9	-	1.4	13	-	-	11	12	11	
Copper	mg/kg	4,000 ^A 16,000 ^B	3.5	-	-	-	2.6	-	<2.0	22	-	-	11	19	19	
Iron	mg/kg	11,000 ^A 164,000 ^B	19,000^A	-	-	-	14,000^A	-	5,100	28,000^A	-	-	22,000^A	27,000^A	26,000^A	
Lead	mg/kg	260 ^A 740 ^B	15	-	-	-	7.7	-	10	15	-	-	11	15	12	
Lithium	mg/kg	n/v	13	-	-	-	5.0	-	3.9	26	-	-	21	25	24	
Manganese	mg/kg	360 ^A 5,200 ^B	240	-	-	-	87	-	66	830^A	-	-	1,200^A	890^A	630^A	
Mercury	mg/kg	24 ^A 99 ^B	<0.10	-	-	-	<0.10	-	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	
Molybdenum	mg/kg	110 ^A 1,200 ^B	<2.0	-	-	-	<2.0	-	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	
Nickel	mg/kg	310 ^A 2,500 ^B	6.5	-	-	-	5.0	-	3.4	27	-	-	18	27	26	
Rubidium	mg/kg	n/v	11	-	-	-	7.6	-	3.5	12	-	-	7.1	11	14	
Selenium	mg/kg	125 ^A 1,135 ^B	0.56	-	-	-	<0.50	-	<0.50	<0.50	-	-	<0.50	<0.50	<0.50	
Silver	mg/kg	77 ^A 490 ^B	<0.50	-	-	-	<0.50	-	<0.50	<0.50	-	-	<0.50	<0.50	<0.50	
Strontium	mg/kg	9,400 ^A 140,000 ^B	<5.0	-	-	-	<5.0	-	<5.0	14	-	-	8.9	15	12	
Thallium	mg/kg	1 ^A 1 ^B	<0.10	-	-	-	<0.10	-	<0.10	<0.10	-	-	<0.10	0.10	0.12	
Tin	mg/kg	9,400 ^A 140,000 ^B	<1.0	-	-	-	<1.0	-	<1.0	<1.0	-	-	<1.0	<1.0	<1.0	
Uranium	mg/kg	33 ^A 300 ^B	0.44	-	-	-	0.31	-	0.21	0.64	-	-	0.82	0.89	0.68	
Vanadium	mg/kg	39 ^A 160 ^B	23	-	-	-	24	-	6.5	22	-	-	17	19	22	
Zinc	mg/kg	16,000 ^A 140,000 ^B	16	-	-	-	11	-	7.2	60	-	-	39	62	54	

- Notes:**
- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
 - ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
 - ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
 - 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.
 - NA Not analyzed.
 - RPD Relative Percent Difference.
 - 61%** RPD exceeds data quality objective of 60%.
 - 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.

Table 1B
Summary of Soil Analytical Results – Main Site
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location			29-Apr-24	TP24-MS07	29-Apr-24		TP24-MS08	TP24-MS09	TP24-MS10	TP24-MS11	TP24-MS12	TP24-MS13		
Sample Date			TP24-MS 07 SS1	TP24-MS 07 SS2	TP24-MS DUP3 SS1	RPD (%)	TP24-MS 08 SS1	TP24-MS 08 SS2	TP24-MS 09 SS1	TP24-MS 10 SS1	TP24-DUP4 SS1	TP24-MS 11 SS1	TP24-MS 12 SS1	TP24-MS 13 SS1
Sample ID			STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Sampling Company			BV	BV	BV		BV	BV	BV	BV	BV	BV	BV	BV
Laboratory			C4C8074	C4C8074	C4C8074		C4C8074	C4C8074	C4C8074	C4C8074	C4C8074	C4C8074	C4C8074	C4C8074
Laboratory Work Order			ZAO552	ZAO553	ZAO580		ZAO554	ZAO555	ZAO556	ZAO557	ZAO581	ZAO558	ZAO559	ZAO560
Laboratory Sample ID					Field Duplicate						Field Duplicate			
Sample Type	Units	NSECC												
BTEX and Petroleum Hydrocarbons														
Benzene	mg/kg	0.52 ^A 0.52 ^B	-	<0.0050	<0.0050	nc	-	<0.0050	-	<0.0050	<0.0050	nc	-	<0.0050
Toluene	mg/kg	1,400 ^A 4,700 ^B	-	<0.050	<0.050	nc	-	<0.050	-	<0.050	<0.050	nc	-	<0.050
Ethylbenzene	mg/kg	3,100 ^A 10,000 ^B	-	<0.010	<0.010	nc	-	<0.010	-	<0.010	<0.010	nc	-	<0.010
Xylenes, Total	mg/kg	60 ^A 60 ^B	-	<0.050	<0.050	nc	-	<0.050	-	<0.050	<0.050	nc	-	<0.050
PHC F1 (C6-C10 range) minus BTEX	mg/kg	n/v	-	<2.5	<2.5	nc	-	<2.5	-	<2.5	<2.5	nc	-	<2.5
PHC F2 (>C10-C16 range)	mg/kg	n/v	-	<10	<10	nc	-	<10	-	<10	<10	nc	-	<10
>C16-C21 Hydrocarbons	mg/kg	n/v	-	<10	<10	nc	-	<10	-	<10	<10	nc	-	<10
>C21-<C32 Hydrocarbons	mg/kg	n/v	-	<15	<15	nc	-	<15	-	<15	<15	nc	-	<15
Chromatogram to baseline at C32	none	n/v	-	NA	NA	nc	-	NA	-	NA	NA	nc	-	NA
Hydrocarbon Resemblance	none	n/v	-	NA	NA	nc	-	NA	-	NA	NA	nc	-	NA
Modified TPH (Tier 1)	mg/kg	2,000 ^{AB} /10,000 ^{AB} /10,000 ^{AB}	-	<15	<15	nc	-	<15	-	<15	<15	nc	-	<15
Polycyclic Aromatic Hydrocarbons (PAHs)														
Acenaphthene	mg/kg	8,000 ^A 43,000 ^B	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Acenaphthylene	mg/kg	66 ^A 66 ^B	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Anthracene	mg/kg	37,000 ^A 300,000 ^B	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Benzo(a)anthracene	mg/kg	n/v	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Benzo(a)pyrene	mg/kg	n/v	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Benzo(b)fluoranthene	mg/kg	n/v	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Benzo(b)jfluoranthene	mg/kg	n/v	-	<0.020	-	-	<0.020	-	-	<0.020	-	-	<0.020	-
Benzo(g,h,i)perylene	mg/kg	n/v	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Benzo(j)fluoranthene	mg/kg	n/v	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Benzo(k)fluoranthene	mg/kg	n/v	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Chrysene	mg/kg	n/v	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Dibenzo(a,h)anthracene	mg/kg	n/v	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Fluoranthene	mg/kg	5,300 ^A 50,000 ^B	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Fluorene	mg/kg	4,100 ^A 39,000 ^B	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Indeno(1,2,3-cd)pyrene	mg/kg	n/v	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Methylnaphthalene, 1-	mg/kg	72 ^A 560 ^B	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Methylnaphthalene, 2-	mg/kg	72 ^A 560 ^B	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Naphthalene	mg/kg	25 ^A 25 ^B	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Perylene	mg/kg	n/v	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Phenanthrene	mg/kg	n/v	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
Pyrene	mg/kg	3,200 ^A 30,000 ^B	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-
B(a)P TPE	mg/kg	5.3 ^{AB}	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	<0.010	-

- Notes:**
- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
 - ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
 - ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
 - 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.
 - NA Not analyzed.
 - RPD Relative Percent Difference.
 - 61%** RPD exceeds data quality objective of 60%.
 - 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.

Table 1B
Summary of Soil Analytical Results – Main Site
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location			TP24-MS14				TP24-MS15	TP24-MS16			TP24-MS17		TP24-MS18		TP24-MS19		
Sample Date			29-Apr-24	29-Apr-24	29-Apr-24		29-Apr-24	29-Apr-24	29-Apr-24		30-Apr-24	30-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24
Sample ID			TP24-MS 14 SS1	TP24-MS 14 SS2	TP24-MS DUP2 SS1		TP24-MS 15 SS1	TP24-MS 16 SS1	TP24-DUP8 SS1		TP24-MS17 SS1	TP24-MS17 SS2	TP24-MS 18 SS1	TP24-MS 18 SS2	TP24-MS 19 SS1	TP24-DUP7 SS1	TP24-MS 19 SS2
Sampling Company			STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			BV	BV	BV		BV	BV	BV		BV	BV	BV	BV	BV	BV	BV
Laboratory Work Order			C4C8074	C4C8074	C4C8074		C4C8074	C4C8074	C4C8074		C4C8448	C4C8448	C4C8074	C4C8074	C4C8074	C4C8074	C4C8074
Laboratory Sample ID			ZAO561	ZAO562	ZAO579		ZAO563	ZAO564	ZAO584		ZAQ954	ZAQ955	ZAO565	ZAO566	ZAO567	ZAO583	ZAO568
Sample Type	Units	NSECC			Field Duplicate	RPD (%)			Field Duplicate	RPD (%)						Field Duplicate	RPD (%)
Physical Properties																	
Moisture Content	%	n/v	-	11	12	9%	-	-	-	-	18	12	-	14	-	-	14
Metals																	
Aluminum	mg/kg	15,400 ^A 220,000 ^B	14,000	-	-	-	14,000	13,000	12,000	8%	6,800	-	11,000	-	9,800	8,400	15%
Antimony	mg/kg	7.5 ^A 63 ^B	<2.0	-	-	-	<2.0	<2.0	<2.0	nc	<2.0	-	<2.0	-	<2.0	<2.0	nc
Arsenic	mg/kg	31 ^A 31 ^B	8.5	-	-	-	9.2	8.0	11	nc	4.4	-	11	-	8.2	7.1	nc
Barium	mg/kg	10,000 ^A 96,000 ^B	27	-	-	-	150	19	92	nc	12	-	17	-	14	12	nc
Beryllium	mg/kg	110 ^A 1,100 ^B	<1.0	-	-	-	<1.0	<1.0	<1.0	nc	<1.0	-	<1.0	-	<1.0	<1.0	nc
Bismuth	mg/kg	n/v	<2.0	-	-	-	<2.0	<2.0	<2.0	nc	<2.0	-	<2.0	-	<2.0	<2.0	nc
Boron	mg/kg	4,300 ^A 24,000 ^B	<50	-	-	-	<50	<50	<50	nc	<50	-	<50	-	<50	<50	nc
Cadmium	mg/kg	49 ^A 192 ^B	<0.30	-	-	-	<0.30	<0.30	<0.30	nc	<0.30	-	<0.30	-	<0.30	<0.30	nc
Chromium	mg/kg	630 ^A 2,300 ^B	18	-	-	-	24	19	19	0%	9.6	-	17	-	14	12	15%
Cobalt	mg/kg	22 ^A 250 ^B	5.4	-	-	-	13	5.7	9.7	52%	2.8	-	5.2	-	4.1	3.3	nc
Copper	mg/kg	4,000 ^A 16,000 ^B	7.7	-	-	-	21	9.9	15	nc	4.2	-	7.3	-	4.5	4.0	nc
Iron	mg/kg	11,000 ^A 164,000 ^B	29,000 ^A	-	-	-	29,000 ^A	26,000 ^A	24,000 ^A	8%	17,000 ^A	-	29,000 ^A	-	24,000 ^A	21,000 ^A	13%
Lead	mg/kg	260 ^A 740 ^B	11	-	-	-	15	12	13	8%	7.8	-	12	-	14	14	0%
Lithium	mg/kg	n/v	24	-	-	-	27	25	23	8%	8.5	-	18	-	17	12	34%
Manganese	mg/kg	360 ^A 5,200 ^B	190	-	-	-	760 ^A	280	540 ^A	63%	120	-	190	-	180	150	18%
Mercury	mg/kg	24 ^A 99 ^B	<0.10	-	-	-	<0.10	<0.10	<0.10	nc	<0.10	-	<0.10	-	<0.10	<0.10	nc
Molybdenum	mg/kg	110 ^A 1,200 ^B	<2.0	-	-	-	<2.0	<2.0	<2.0	nc	<2.0	-	<2.0	-	<2.0	<2.0	nc
Nickel	mg/kg	310 ^A 2,500 ^B	14	-	-	-	29	15	22	38%	7.4	-	13	-	9.7	7.9	nc
Rubidium	mg/kg	n/v	16	-	-	-	12	8.9	10	nc	6.5	-	11	-	10	9.7	nc
Selenium	mg/kg	125 ^A 1,135 ^B	<0.50	-	-	-	<0.50	0.63	<0.50	nc	<0.50	-	0.65	-	0.67	0.55	nc
Silver	mg/kg	77 ^A 490 ^B	<0.50	-	-	-	<0.50	<0.50	<0.50	nc	<0.50	-	<0.50	-	<0.50	<0.50	nc
Strontium	mg/kg	9,400 ^A 140,000 ^B	5.4	-	-	-	14	<5.0	12	nc	<5.0	-	<5.0	-	<5.0	<5.0	nc
Thallium	mg/kg	1 ^A 1 ^B	0.10	-	-	-	0.10	<0.10	<0.10	nc	<0.10	-	<0.10	-	<0.10	<0.10	nc
Tin	mg/kg	9,400 ^A 140,000 ^B	<1.0	-	-	-	<1.0	<1.0	<1.0	nc	<1.0	-	<1.0	-	<1.0	<1.0	nc
Uranium	mg/kg	33 ^A 300 ^B	0.47	-	-	-	0.64	0.53	0.96	58%	0.32	-	0.45	-	0.41	0.37	nc
Vanadium	mg/kg	39 ^A 160 ^B	31	-	-	-	22	25	20	22%	16	-	32	-	28	28	0%
Zinc	mg/kg	16,000 ^A 140,000 ^B	33	-	-	-	63	31	48	43%	15	-	29	-	22	19	nc

- Notes:**
- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
 - ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
 - ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
 - 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.
 - NA Not analyzed.
 - RPD Relative Percent Difference.
 - 61%** RPD exceeds data quality objective of 60%.
 - 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.

Table 1B
Summary of Soil Analytical Results – Main Site
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location			TP24-MS14			TP24-MS15	TP24-MS16			TP24-MS17	TP24-MS18			TP24-MS19		
Sample Date			29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24		30-Apr-24	30-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	
Sample ID			TP24-MS 14 SS1	TP24-MS 14 SS2	TP24-MS DUP2 SS1	TP24-MS 15 SS1	TP24-MS 16 SS1	TP24-DUP8 SS1		TP24-MS17 SS1	TP24-MS17 SS2	TP24-MS 18 SS1	TP24-MS 18 SS2	TP24-MS 19 SS1	TP24-DUP7 SS1	
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	
Laboratory			BV	BV	BV	BV	BV	BV		BV	BV	BV	BV	BV	BV	
Laboratory Work Order			C4C8074	C4C8074	C4C8074	C4C8074	C4C8074	C4C8074		C4C8448	C4C8448	C4C8074	C4C8074	C4C8074	C4C8074	
Laboratory Sample ID			ZAO561	ZAO562	ZAO579	ZAO563	ZAO564	ZAO584		ZAQ954	ZAQ955	ZAO565	ZAO566	ZAO567	ZAO583	
Sample Type	Units	NSECC			Field Duplicate	RPD (%)		Field Duplicate	RPD (%)						Field Duplicate	RPD (%)
BTEX and Petroleum Hydrocarbons																
Benzene	mg/kg	0.52 ^A 0.52 ^B	-	<0.0050	-	-	-	-	-	-	<0.0050	-	<0.0050	-	-	<0.0050
Toluene	mg/kg	1,400 ^A 4,700 ^B	-	<0.050	-	-	-	-	-	-	<0.050	-	<0.050	-	-	<0.050
Ethylbenzene	mg/kg	3,100 ^A 10,000 ^B	-	<0.010	-	-	-	-	-	-	<0.010	-	<0.010	-	-	<0.010
Xylenes, Total	mg/kg	60 ^A 60 ^B	-	<0.050	-	-	-	-	-	-	<0.050	-	<0.050	-	-	<0.050
PHC F1 (C6-C10 range) minus BTEX	mg/kg	n/v	-	<2.5	-	-	-	-	-	-	<2.5	-	<2.5	-	-	<2.5
PHC F2 (>C10-C16 range)	mg/kg	n/v	-	<10	-	-	-	-	-	-	<10	-	<10	-	-	<10
>C16-C21 Hydrocarbons	mg/kg	n/v	-	<10	-	-	-	-	-	-	<10	-	<10	-	-	<10
>C21-<C32 Hydrocarbons	mg/kg	n/v	-	<15	-	-	-	-	-	-	<15	-	<15	-	-	<15
Chromatogram to baseline at C32	none	n/v	-	NA	-	-	-	-	-	-	NA	-	NA	-	-	NA
Hydrocarbon Resemblance	none	n/v	-	NA	-	-	-	-	-	-	NA	-	NA	-	-	NA
Modified TPH (Tier 1)	mg/kg	2,000 ^{AB} /10,000 ^{AB} /10,000 ^{AB}	-	<15	-	-	-	-	-	-	<15	-	<15	-	-	<15
Polycyclic Aromatic Hydrocarbons (PAHs)																
Acenaphthene	mg/kg	8,000 ^A 43,000 ^B	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Acenaphthylene	mg/kg	66 ^A 66 ^B	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Anthracene	mg/kg	37,000 ^A 300,000 ^B	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Benzo(a)anthracene	mg/kg	n/v	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Benzo(a)pyrene	mg/kg	n/v	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Benzo(b)fluoranthene	mg/kg	n/v	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Benzo(b/j)fluoranthene	mg/kg	n/v	-	<0.020	<0.020	nc	-	-	-	<0.020	-	-	<0.020	-	-	<0.020
Benzo(g,h,i)perylene	mg/kg	n/v	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Benzo(j)fluoranthene	mg/kg	n/v	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Benzo(k)fluoranthene	mg/kg	n/v	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Chrysene	mg/kg	n/v	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Dibenzo(a,h)anthracene	mg/kg	n/v	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Fluoranthene	mg/kg	5,300 ^A 50,000 ^B	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Fluorene	mg/kg	4,100 ^A 39,000 ^B	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Indeno(1,2,3-cd)pyrene	mg/kg	n/v	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Methylnaphthalene, 1-	mg/kg	72 ^A 560 ^B	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Methylnaphthalene, 2-	mg/kg	72 ^A 560 ^B	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Naphthalene	mg/kg	25 ^A 25 ^B	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Perylene	mg/kg	n/v	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Phenanthrene	mg/kg	n/v	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
Pyrene	mg/kg	3,200 ^A 30,000 ^B	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010
B(a)P TPE	mg/kg	5.3 ^{AB}	-	<0.010	<0.010	nc	-	-	-	<0.010	-	-	<0.010	-	-	<0.010

- Notes:**
- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
 - ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
 - ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
 - 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.
 - NA Not analyzed.
 - RPD Relative Percent Difference.
 - 61%** RPD exceeds data quality objective of 60%.
 - 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.

Table 1B
Summary of Soil Analytical Results – Main Site
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location			TP24-MS20	TP24-MS21	TP24-MS22	TP24-MS23	TP24-MS24	TP24-MS25	TP24-MS26	TP24-MS27	TP24-MS28	TP24-MS29	TP24-MS30				
Sample Date			29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24	29-Apr-24				
Sample ID			TP24-MS 20 SS1	TP24-MS 21 SS1	TP24-MS 22 SS1	TP24-MS 23 SS1	TP24-MS 24 SS1	TP24-MS 24 SS1	TP24-MS 25 SS1	TP24-MS 26 SS1	TP24-MS 27 SS1	TP24-MS 28 SS1	TP24-MS 29 SS1	TP24-MS 30 SS1	TP24-MS DUP1 SS1		
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		
Laboratory			BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV		
Laboratory Work Order			C4C8074	C4C8074	C4C8074	C4C8074	C4C8074	C4C8074	C4C8448	C4C8448	C4C8074	C4C8074	C4C8074	C4C8074	C4C8074		
Laboratory Sample ID			ZAO569	ZAO570	ZAO571	ZAO572	ZAO573	ZAO582	ZAQ956	ZAQ957	ZAO574	ZAO575	ZAO576	ZAO577	ZAO578		
Sample Type	Units	NSECC						Field Duplicate								Field Duplicate	RPD (%)
Physical Properties																	
Moisture Content	%	n/v	15	-	15	13	-	-	-	-	11	16	14	-	15	14	7%
Metals																	
Aluminum	mg/kg	15,400 ^A 220,000 ^B	14,000	13,000	15,000	12,000	13,000	13,000	0%	14,000	12,000	10,000	12,000	13,000	14,000	-	-
Antimony	mg/kg	7.5 ^A 63 ^B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	-
Arsenic	mg/kg	31 ^A 31 ^B	12	8.7	9.3	7.7	9.0	8.7	nc	8.4	12	6.1	8.5	8.6	11	-	-
Barium	mg/kg	10,000 ^A 96,000 ^B	130	170	130	130	150	140	7%	120	86	23	110	63	180	-	-
Beryllium	mg/kg	110 ^A 1,100 ^B	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-
Bismuth	mg/kg	n/v	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	-
Boron	mg/kg	4,300 ^A 24,000 ^B	<50	<50	<50	<50	<50	<50	nc	<50	<50	<50	<50	<50	<50	-	-
Cadmium	mg/kg	49 ^A 192 ^B	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	nc	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	-
Chromium	mg/kg	630 ^A 2,300 ^B	23	22	24	20	22	22	0%	22	19	15	17	21	24	-	-
Cobalt	mg/kg	22 ^A 250 ^B	13	12	13	11	12	12	0%	14	10	6.1	15	9.8	18	-	-
Copper	mg/kg	4,000 ^A 16,000 ^B	21	22	21	18	19	20	5%	20	18	8.3	12	14	22	-	-
Iron	mg/kg	11,000 ^A 164,000 ^B	30,000 ^A	29,000 ^A	31,000 ^A	25,000 ^A	28,000 ^A	28,000 ^A	0%	29,000 ^A	26,000 ^A	20,000 ^A	25,000 ^A	30,000 ^A	31,000 ^A	-	-
Lead	mg/kg	260 ^A 740 ^B	14	14	16	38	13	14	7%	13	13	10	13	13	17	-	-
Lithium	mg/kg	n/v	26	28	29	24	26	26	0%	25	22	19	23	25	26	-	-
Manganese	mg/kg	360 ^A 5,200 ^B	810 ^A	1,000 ^A	620 ^A	1,000 ^A	880 ^A	730 ^A	19%	960 ^A	620 ^A	320	1,000 ^A	540 ^A	1,700 ^A	-	-
Mercury	mg/kg	24 ^A 99 ^B	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	nc	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-
Molybdenum	mg/kg	110 ^A 1,200 ^B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	-
Nickel	mg/kg	310 ^A 2,500 ^B	28	27	30	24	27	27	0%	28	21	14	20	21	35	-	-
Rubidium	mg/kg	n/v	14	11	14	12	13	12	8%	11	9.7	8.6	11	12	13	-	-
Selenium	mg/kg	125 ^A 1,135 ^B	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	nc	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	-
Silver	mg/kg	77 ^A 490 ^B	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	nc	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	-
Strontium	mg/kg	9,400 ^A 140,000 ^B	12	16	21	14	21	23	nc	9.8	9.1	<5.0	9.6	7.5	15	-	-
Thallium	mg/kg	1 ^A 1 ^B	0.11	<0.10	0.11	0.11	0.11	<0.10	nc	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	-	-
Tin	mg/kg	9,400 ^A 140,000 ^B	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-
Uranium	mg/kg	33 ^A 300 ^B	0.85	0.74	0.78	1.0	0.79	0.81	3%	0.66	0.73	0.45	0.79	0.64	0.87	-	-
Vanadium	mg/kg	39 ^A 160 ^B	23	21	23	21	21	21	0%	23	21	18	27	25	25	-	-
Zinc	mg/kg	16,000 ^A 140,000 ^B	59	58	67	51	59	60	2%	58	48	30	38	44	62	-	-

- Notes:**
- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
 - ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
 - ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
 - 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.
 - NA Not analyzed.
 - RPD Relative Percent Difference.
 - 61%** RPD exceeds data quality objective of 60%.
 - 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.

Table 1B
Summary of Soil Analytical Results – Main Site
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location			TP24-MS20 29-Apr-24	TP24-MS21 29-Apr-24	TP24-MS22 29-Apr-24	TP24-MS23 29-Apr-24	TP24-MS24 29-Apr-24	TP24-MS24 29-Apr-24	TP24-MS25 30-Apr-24	TP24-MS26 30-Apr-24	TP24-MS27 29-Apr-24	TP24-MS28 29-Apr-24	TP24-MS29 29-Apr-24	TP24-MS30 29-Apr-24	TP24-MS30 29-Apr-24	RPD (%)
Sample Date			TP24-MS 20 SS1	TP24-MS 21 SS1	TP24-MS 22 SS1	TP24-MS 23 SS1	TP24-MS 24 SS1	TP24-DUP6 SS1	TP24-MS25 SS1	TP24-MS26 SS1	TP24-MS 27 SS1	TP24-MS 28 SS1	TP24-MS 29 SS1	TP24-MS 30 SS1	TP24-MS DUP1 SS1	
Sample ID			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	
Sampling Company			BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	
Laboratory			C4C8074	C4C8074	C4C8074	C4C8074	C4C8074	C4C8074	C4C8448	C4C8448	C4C8074	C4C8074	C4C8074	C4C8074	C4C8074	
Laboratory Work Order			ZAO569	ZAO570	ZAO571	ZAO572	ZAO573	ZAO582	ZAQ956	ZAQ957	ZAO574	ZAO575	ZAO576	ZAO577	ZAO578	
Laboratory Sample ID								Field Duplicate							Field Duplicate	RPD (%)
Sample Type	Units	NSECC														
BTEX and Petroleum Hydrocarbons																
Benzene	mg/kg	0.52 ^A 0.52 ^B	<0.0050	-	-	<0.0050	-	-	-	<0.010	<0.010	<0.0050	-	<0.0050	-	-
Toluene	mg/kg	1,400 ^A 4,700 ^B	<0.050	-	-	<0.050	-	-	-	<0.10	<0.10	<0.050	-	<0.050	-	-
Ethylbenzene	mg/kg	3,100 ^A 10,000 ^B	<0.010	-	-	<0.010	-	-	-	<0.020	<0.020	<0.010	-	<0.010	-	-
Xylenes, Total	mg/kg	60 ^A 60 ^B	<0.050	-	-	<0.050	-	-	-	<0.10	<0.10	<0.050	-	<0.050	-	-
PHC F1 (C6-C10 range) minus BTEX	mg/kg	n/v	<2.5	-	-	<2.5	-	-	-	<5.0	<5.0	<2.5	-	<2.5	-	-
PHC F2 (>C10-C16 range)	mg/kg	n/v	<10	-	-	<10	-	-	-	<10	<10	<10	-	<10	-	-
>C16-C21 Hydrocarbons	mg/kg	n/v	<10	-	-	<10	-	-	-	<10	<10	<10	-	<10	-	-
>C21-<C32 Hydrocarbons	mg/kg	n/v	<15	-	-	<15	-	-	-	<15	<15	<15	-	<15	-	-
Chromatogram to baseline at C32	none	n/v	NA	-	-	NA	-	-	-	NA	NA	NA	-	NA	-	-
Hydrocarbon Resemblance	none	n/v	NA	-	-	NA	-	-	-	NA	NA	NA	-	NA	-	-
Modified TPH (Tier 1)	mg/kg	2,000 ^{AB} /10,000 ^{AB} /10,000 ^{AB}	<15	-	-	<15	-	-	-	<15	<15	<15	-	<15	-	-
Polycyclic Aromatic Hydrocarbons (PAHs)																
Acenaphthene	mg/kg	8,000 ^A 43,000 ^B	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Acenaphthylene	mg/kg	66 ^A 66 ^B	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Anthracene	mg/kg	37,000 ^A 300,000 ^B	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Benzo(a)anthracene	mg/kg	n/v	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Benzo(a)pyrene	mg/kg	n/v	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Benzo(b)fluoranthene	mg/kg	n/v	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Benzo(b/j)fluoranthene	mg/kg	n/v	<0.020	-	<0.020	<0.020	-	-	-	<0.020	<0.020	<0.020	-	<0.020	<0.020	nc
Benzo(g,h,i)perylene	mg/kg	n/v	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Benzo(j)fluoranthene	mg/kg	n/v	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Benzo(k)fluoranthene	mg/kg	n/v	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Chrysene	mg/kg	n/v	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Dibenzo(a,h)anthracene	mg/kg	n/v	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Fluoranthene	mg/kg	5,300 ^A 50,000 ^B	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Fluorene	mg/kg	4,100 ^A 39,000 ^B	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Indeno(1,2,3-cd)pyrene	mg/kg	n/v	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Methylnaphthalene, 1-	mg/kg	72 ^A 560 ^B	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Methylnaphthalene, 2-	mg/kg	72 ^A 560 ^B	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Naphthalene	mg/kg	25 ^A 25 ^B	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Perylene	mg/kg	n/v	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Phenanthrene	mg/kg	n/v	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
Pyrene	mg/kg	3,200 ^A 30,000 ^B	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc
B(a)P TPE	mg/kg	5.3 ^{AB}	<0.010	-	<0.010	<0.010	-	-	-	<0.010	<0.010	<0.010	-	<0.010	<0.010	nc

- Notes:**
- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
 - ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
 - ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
 - 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.
 - NA Not analyzed.
 - RPD Relative Percent Difference.
 - 61%** RPD exceeds data quality objective of 60%.
 - 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.

Table 2A
Summary of Soil Analytical Results – Link 11
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location Sample Date Sample ID Sampling Company Laboratory Laboratory Work Order Laboratory Sample ID Sample Type	Units	CCME	TP24-LK01		TP24-LK02		TP24-LK03		TP24-LK04		TP24-LK05		TP24-LK06		TP24-LK07		TP24-LK08		TP24-LK09		TP24-LK10					
			2-May-24 TP24-LK 01 SS1 STANTEC BV C4D0746 ZBL169	1-May-24 TP24-LK02 SS1 STANTEC BV C4D0746 ZBD851	1-May-24 TP24-LK02 SS2 STANTEC BV C4D0746 ZBD852	1-May-24 TP24-LK-DUP4 SS1 STANTEC BV C4D0746 ZBD885 Field Duplicate	1-May-24 TP24-LK03 SS1 STANTEC BV C4D0746 ZBD856	1-May-24 TP24-LK03 SS2 STANTEC BV C4D0746 ZBD857	1-May-24 TP24-LK04 SS1 STANTEC BV C4D0746 ZBD858	1-May-24 TP24-LK04 SS2 STANTEC BV C4D0746 ZBD859	1-May-24 TP24-LK05 SS1 STANTEC BV C4D0746 ZBD860	1-May-24 TP24-LK-DUP3 SS1 STANTEC BV C4D0746 ZBD884 Field Duplicate	1-May-24 TP24-LK05 SS2 STANTEC BV C4D0746 ZBD861	1-May-24 TP24-LK06 SS1 STANTEC BV C4D0746 ZBD862	1-May-24 TP24-LK06 SS2 STANTEC BV C4D0746 ZBD863	1-May-24 TP24-LK07 SS1 STANTEC BV C4D0746 ZBD864	1-May-24 TP24-LK07 SS2 STANTEC BV C4D0746 ZBD865	1-May-24 TP24-LK08 SS1 STANTEC BV C4D0746 ZBD866	1-May-24 TP24-LK08 SS2 STANTEC BV C4D0746 ZBD867	1-May-24 TP24-LK09 SS1 STANTEC BV C4D0746 ZBD868	1-May-24 TP24-LK09 SS2 STANTEC BV C4D0746 ZBD869	1-May-24 TP24-LK10 SS1 STANTEC BV C4D0746 ZBD870	1-May-24 TP24-LK10 SS2 STANTEC BV C4D0746 ZBD871			
Physical Properties																										
Moisture Content	%	n/v	17	21	12	13	8%	34	-	20	13	16	-	-	11	15	13	14	-	18	14	23	12	19	-	
Moisture Content-Subcontracted	%	n/v	25	-	-	-	-	27	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-		
Metals																										
Aluminum	mg/kg	n/v	11,000	7,000	-	-	-	-	15,000	6,300	-	2,300	1,900	19%	-	11,000	-	-	11,000	11,000	-	-	10,000	-	-	13,000
Antimony	mg/kg	40 ^{PR} 40 ^S	<2.0	<2.0	-	-	-	-	<2.0	<2.0	-	<2.0	<2.0	nc	-	<2.0	<2.0	-	<2.0	<2.0	-	-	<2.0	-	-	<2.0
Arsenic	mg/kg	12 ^{PR} 12 ^S	7.9	3.9	-	-	-	-	9.2	3.6	-	<2.0	<2.0	nc	-	11	-	-	9.8	7.2	-	-	6.4	-	-	10
Barium	mg/kg	2,000 ^{PR} 2,000 ^S 2,000 ^S	62	20	-	-	-	-	150	14	-	10	7.9	nc	-	51	-	-	120	63	-	-	42	-	-	160
Beryllium	mg/kg	8 ^{PR} 8 ^S 8 ^S	<1.0	<1.0	-	-	-	-	<1.0	<1.0	-	<1.0	<1.0	nc	-	<1.0	-	-	<1.0	<1.0	-	-	<1.0	-	-	<1.0
Bismuth	mg/kg	n/v	<2.0	<2.0	-	-	-	-	<2.0	<2.0	-	<2.0	<2.0	nc	-	<2.0	-	-	<2.0	<2.0	-	-	<2.0	-	-	<2.0
Boron	mg/kg	n/v	<50	<50	-	-	-	-	<50	<50	-	<50	<50	nc	-	<50	-	-	<50	<50	-	-	<50	-	-	<50
Cadmium	mg/kg	22 ^{PR} 22 ^S 22 ^S	<0.30	<0.30	-	-	-	-	<0.30	<0.30	-	<0.30	<0.30	nc	-	<0.30	-	-	<0.30	<0.30	-	-	<0.30	-	-	<0.30
Chromium	mg/kg	87 ^{PR} 87 ^S 87 ^S	16	9.4	-	-	-	-	6.9	2.3	-	2.3	<2.0	nc	-	16	-	-	19	17	-	-	14	-	-	21
Cobalt	mg/kg	300 ^{PR} 300 ^S 300 ^S	7.9	2.8	-	-	-	-	12	1.7	-	<1.0	<1.0	nc	-	9.5	-	-	11	6.3	-	-	5.7	-	-	13
Copper	mg/kg	91 ^{PR} 91 ^S 91 ^S	21	4.4	-	-	-	-	22	2.5	-	<2.0	<2.0	nc	-	23	-	-	11	8.3	-	-	8.3	-	-	21
Iron	mg/kg	n/v	20,000	14,000	-	-	-	-	30,000	9,900	-	2,300	1,400	49%	-	20,000	-	-	25,000	23,000	-	-	22,000	-	-	29,000
Lead	mg/kg	260 ^P 260 ^S 600 ^R 600 ^S	18	8.7	-	-	-	-	17	6.5	-	4.1	3.5	16%	-	14	-	-	13	12	-	-	11	-	-	15
Lithium	mg/kg	n/v	18	9.5	-	-	-	-	29	8.0	-	<2.0	<2.0	nc	-	19	-	-	21	16	-	-	15	-	-	26
Manganese	mg/kg	n/v	370	120	-	-	-	-	700	85	-	38	29	27%	-	660	-	-	770	300	-	-	340	-	-	880
Mercury	mg/kg	24 ^P 24 ^S 50 ^R 50 ^S	<0.10	<0.10	-	-	-	-	<0.10	<0.10	-	<0.10	<0.10	nc	-	<0.10	-	-	<0.10	<0.10	-	-	<0.10	-	-	<0.10
Molybdenum	mg/kg	40 ^{PR} 40 ^S 40 ^S	<2.0	<2.0	-	-	-	-	<2.0	<2.0	-	<2.0	<2.0	nc	-	<2.0	-	-	<2.0	<2.0	-	-	<2.0	-	-	<2.0
Nickel	mg/kg	89 ^{PR} 89 ^S 89 ^S	17	7.9	-	-	-	-	30	5.0	-	<2.0	<2.0	nc	-	19	-	-	24	16	-	-	12	-	-	27
Rubidium	mg/kg	n/v	9.6	6.8	-	-	-	-	14	7.0	-	3.7	4.0	nc	-	7.5	-	-	11	9.9	-	-	11	-	-	13
Selenium	mg/kg	2.9 ^{PR} 2.9 ^S 2.9 ^S	<0.50	<0.50	-	-	-	-	<0.50	<0.50	-	<0.50	<0.50	nc	-	<0.50	-	-	<0.50	<0.50	-	-	<0.50	-	-	<0.50
Silver	mg/kg	40 ^{PR} 40 ^S 40 ^S	<0.50	<0.50	-	-	-	-	<0.50	<0.50	-	<0.50	<0.50	nc	-	<0.50	-	-	<0.50	<0.50	-	-	<0.50	-	-	<0.50
Strontium	mg/kg	n/v	10	6.2	-	-	-	-	15	5.1	-	<5.0	<5.0	nc	-	9.9	-	-	12	8.7	-	-	5.8	-	-	23
Thallium	mg/kg	1 ^{PR} 1 ^S 1 ^S	<0.10	<0.10	-	-	-	-	0.11	<0.10	-	<0.10	<0.10	nc	-	<0.10	-	-	<0.10	<0.10	-	-	<0.10	-	-	0.11
Tin	mg/kg	300 ^{PR} 300 ^S 300 ^S	<1.0	<1.0	-	-	-	-	<1.0	<1.0	-	<1.0	<1.0	nc	-	<1.0	-	-	<1.0	<1.0	-	-	<1.0	-	-	<1.0
Uranium	mg/kg	33 ^P 33 ^S 300 ^S 300 ^S	0.53	0.29	-	-	-	-	0.66	0.28	-	0.20	0.21	nc	-	0.53	-	-	0.64	0.50	-	-	0.46	-	-	0.79
Vanadium	mg/kg	130 ^{PR} 130 ^S 130 ^S	22	16	-	-	-	-	24	18	-	5.6	4.9	nc	-	17	-	-	20	22	-	-	24	-	-	22
Zinc	mg/kg	410 ^{PR} 410 ^S 410 ^S	51	25	-	-	-	-	66	18	-	12	6.4	nc	-	46	-	-	54	85	-	-	33	-	-	61
BTEX and Petroleum Hydrocarbons																										
Benzene	µg/g	0.03 ^{PR} 0.0068 ^S 0.0068 ^S	<0.0060	<0.0060	<0.0060	-	-	<0.0060	-	<0.0060	-	-	-	<0.0060	<0.0060	-	-	<0.0060	-	<0.0060	-	-	<0.0060	<0.0060	-	-
Toluene	µg/g	0.37 ^{PR} 0.08 ^S 0.08 ^S	<0.020	<0.020	<0.020	-	-	0.042	-	<0.020	-	-	-	<0.020	<0.020	-	-	<0.020	-	<0.020	-	-	<0.020	<0.020	-	-
Ethylbenzene	µg/g	0.082 ^{PR} 0.018 ^S 0.018 ^S	<0.010	<0.010	<0.010	-	-	0.026 ^{QS}	-	<0.010	-	-	-	<0.010	<0.010	-	-	<0.010	-	<0.010	-	-	<0.010	<0.010	-	-
Xylene, m & p-	µg/g	n/v	<0.020	<0.020	<0.020	-	-	0.056	-	<0.020	-	-	-	<0.020	<0.020	-	-	<0.020	-	<0.020	-	-	<0.020	<0.020	-	-
Xylene, o-	µg/g	n/v	<0.020	<0.020	<0.020	-	-	0.030	-	<0.020	-	-	-	<0.020	<0.020	-	-	<0.020	-	<0.020	-	-	<0.020	<0.020	-	-
Xylenes, Total	µg/g	11 ^{PR} 2.4 ^S 2.4 ^S	<0.020	<0.020	<0.020	-	-	0.085	-	<0.020	-	-	-	<0.020	<0.020	-	-	<0.020	-	<0.020	-	-	<0.020	<0.020	-	-
PHC F1 (C6-C10 range)	µg/g	240 ^{TX} 320 ^U 170 ^V 320 ^W 320 ^Y 170 ^Z 320 ^A	<10	<10	<10	-	-	<10	-	<10	-	-	-	<10	<10	-	-	<10	-	<10	-	-	<10	<10	-	-
PHC F1 (C6-C10 range) minus BTEX	µg/g	n/v	<10	<10	<10	-	-	<10	-	<10	-	-	-	<10	<10	-	-	<10	-	<10	-	-	<10	<10	-	-
PHC F2 (C10-C16 range)	µg/g	320 ^{TX} 260 ^U 230 ^V 260 ^W 260 ^Y 230 ^Z 260 ^A	<10	<10	<10	-	-	3,100 ^{11/WWAYZA}	-	<10	-	-	-	<10	<10	-	-	<10	-	<10	-	-	<10	<10	-	-
PHC F3 (C16-C34 range)	µg/g	1,700 ^W 2,500 ^Y 2,500 ^Z	<50	<50	<50	-	-	<50	-	<50	-	<50	120	<50	<50	-	-	<50	-	55	-	-	<50	<50	-	-
PHC F4 (C34-C50 range)	µg/g	3,300 ^W 6,600 ^Y 6,600 ^Z	<50	<50	<50	-	-	170	-	<50	-	<50	<50	<50	<50	-	-	<50	-	<50	-	-	<50	<50	-	-
Chromatogram to baseline at C50	none	n/v	YES	YES	YES	-	-	YES	-	YES	-	-	-	YES	YES	-	-	YES	-	YES	-	-	YES	YES	-	-

Notes:

- CCME Canadian Council of Ministers of the Environment
- A Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Direct contact)
- B Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
- C Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Protection of potable water)
- D Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Direct contact)
- E Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
- F Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Protection of potable water)
- G Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
- H Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Environmental Health)
- I Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
- J Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Soil Contact)
- K Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
- L Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Environmental Health)
- M Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
- N Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil and food ingestion)
- O Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an

Table 2A
Summary of Soil Analytical Results – Link 11
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location			TP24-LK01		TP24-LK02			TP24-LK03		TP24-LK04			TP24-LK05			TP24-LK06		TP24-LK07		TP24-LK08		TP24-LK09		TP24-LK10			
Sample Date			2-May-24		1-May-24	1-May-24		1-May-24	1-May-24	1-May-24	1-May-24		1-May-24	1-May-24		1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24		
Sample ID			TP24-LK 01 SS1		TP24-LK02 SS1	TP24-LK02 SS2		TP24-LK03 SS1	TP24-LK03 SS2	TP24-LK04 SS1	TP24-LK04 SS2		TP24-LK05 SS1	TP24-LK05 SS2		TP24-LK06 SS1	TP24-LK06 SS2	TP24-LK07 SS1	TP24-LK07 SS2	TP24-LK08 SS1	TP24-LK08 SS2	TP24-LK09 SS1	TP24-LK09 SS2	TP24-LK10 SS1	TP24-LK10 SS2		
Sampling Company			STANTEC		STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		
Laboratory			BV		BV	BV		BV	BV	BV	BV		BV	BV		BV	BV	BV	BV	BV	BV	BV	BV	BV	BV		
Laboratory Work Order			C4D0746		C4D0746	C4D0746		C4D0746	ZBD885	C4D0746	C4D0746		C4D0746	ZBD884		C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746		
Laboratory Sample ID			ZBL169		ZBD851	ZBD852		ZBD856	ZBD857	ZBD858	ZBD859		ZBD860	ZBD861		ZBD862	ZBD863	ZBD864	ZBD865	ZBD866	ZBD867	ZBD868	ZBD869	ZBD870	ZBD871		
Sample Type		Units																									
		CCME					RPD (%)																				
Volatile Organic Compounds (VOCs)																											
Bromodichloromethane	mg/kg	n/v	<0.030	-	<0.030	<0.030	nc	<0.030	-	-	-	-	-	-	-	-	<0.030	-	-	-	<0.030	-	-	-	-		
Bromofrom (Tribromomethane)	mg/kg	n/v	<0.050	-	<0.050	<0.050	nc	<0.050	-	-	-	-	-	-	-	-	<0.050	-	-	-	<0.050	-	-	-	-		
Bromomethane (Methyl bromide)	mg/kg	n/v	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Carbon Tetrachloride (Tetrachloromethane)	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.00050	-	<0.00050	<0.00050	nc	<0.00050	-	-	-	-	-	-	-	-	<0.00050	-	-	-	<0.00050	-	-	-	-		
Chlorobenzene (Monochlorobenzene)	mg/kg	10 ^{PR} 10 ^S 10 ^S	<0.0050	-	<0.0050	<0.0050	nc	<0.0050	-	-	-	-	-	-	-	-	<0.0050	-	-	-	<0.0050	-	-	-	-		
Chloroethane (Ethyl Chloride)	mg/kg	n/v	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Chloroform (Trichloromethane)	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.010	-	<0.010	<0.010	nc	<0.010	-	-	-	-	-	-	-	-	<0.010	-	-	-	<0.010	-	-	-	-		
Chloromethane	mg/kg	n/v	<0.030	-	<0.030	<0.030	nc	<0.030	-	-	-	-	-	-	-	-	<0.030	-	-	-	<0.030	-	-	-	-		
Dibromochloromethane	mg/kg	n/v	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Dichlorobenzene, 1,2-	mg/kg	10 ^{PR} 10 ^S 10 ^S	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Dichlorobenzene, 1,3-	mg/kg	10 ^{PR} 10 ^S 10 ^S	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Dichlorobenzene, 1,4-	mg/kg	10 ^{PR} 10 ^S 10 ^S	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Dichloroethane, 1,1-	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Dichloroethane, 1,2-	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.0020	-	<0.0020	<0.0020	nc	0.0043	-	-	-	-	-	-	-	-	<0.0020	-	-	-	<0.0020	-	-	-	-		
Dichloroethane, 1,1-	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Dichloroethane, cis-1,2-	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Dichloroethane, trans-1,2-	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Dichloropropane, 1,2-	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Dichloropropane, cis-1,3-	mg/kg	n/v	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Dichloropropane, trans-1,3-	mg/kg	n/v	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Ethylene Dibromide (Dibromoethane, 1,2-)	mg/kg	n/v	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Methyl Methacrylate	mg/kg	n/v	<0.040	-	<0.040	<0.040	nc	<0.040	-	-	-	-	-	-	-	-	<0.040	-	-	-	<0.040	-	-	-	-		
Methyl tert-butyl ether (MTBE)	mg/kg	n/v	<0.030	-	<0.030	<0.030	nc	<0.030	-	-	-	-	-	-	-	-	<0.030	-	-	-	<0.030	-	-	-	-		
Methylene Chloride (Dichloromethane)	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.030	-	<0.030	<0.030	nc	<0.030	-	-	-	-	-	-	-	-	<0.030	-	-	-	<0.030	-	-	-	-		
Styrene	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Tetrachloroethane, 1,1,1,2-	mg/kg	n/v	<0.050	-	<0.050	<0.050	nc	<0.050	-	-	-	-	-	-	-	-	<0.050	-	-	-	<0.050	-	-	-	-		
Tetrachloroethane, 1,1,2,2-	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.050	-	<0.050	<0.050	nc	<0.050	-	-	-	-	-	-	-	-	<0.050	-	-	-	<0.050	-	-	-	-		
Tetrachloroethene (PCE)	mg/kg	0.5 ^S 0.5 ^S 0.6 ^S 0.6 ^S	<0.010	-	<0.010	<0.010	nc	<0.010	-	-	-	-	-	-	-	-	<0.010	-	-	-	<0.010	-	-	-	-		
Trichlorobenzene, 1,2,3-	mg/kg	10 ^{PR} 10 ^S 10 ^S	<0.040	-	<0.040	<0.040	nc	<0.040	-	-	-	-	-	-	-	-	<0.040	-	-	-	<0.040	-	-	-	-		
Trichlorobenzene, 1,2,4-	mg/kg	10 ^{PR} 10 ^S 10 ^S	<0.040	-	<0.040	<0.040	nc	<0.040	-	-	-	-	-	-	-	-	<0.040	-	-	-	<0.040	-	-	-	-		
Trichlorobenzene, 1,3,5-	mg/kg	10 ^{PR} 10 ^S 10 ^S	<0.040	-	<0.040	<0.040	nc	<0.040	-	-	-	-	-	-	-	-	<0.040	-	-	-	<0.040	-	-	-	-		
Trichloroethane, 1,1,1-	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Trichloroethane, 1,1,2-	mg/kg	50 ^{PR} 50 ^S 50 ^S	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Trichloroethene (TCE)	mg/kg	0.01 ^{PR} 0.01 ^S 0.01 ^S	<0.0010	-	<0.0010	0.0017	nc	<0.0010	-	-	-	-	-	-	-	-	<0.0010	-	-	-	<0.0010	-	-	-	-		
Trichlorofluoromethane (Freon 11)	mg/kg	n/v	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	<0.020	-	-	-	<0.020	-	-	-	-		
Trimethylbenzene, 1,2,4-	mg/kg	n/v	<0.50	-	<0.50	<0.50	nc	<0.50	-	-	-	-	-	-	-	-	<0.50	-	-	-	<0.50	-	-	-	-		
Trimethylbenzene, 1,3,5-	mg/kg	n/v	<0.50	-	<0.50	<0.50	nc	<0.50	-	-	-	-	-	-	-	-	<0.50	-	-	-	<0.50	-	-	-	-		
Vinyl Chloride	mg/kg	n/v	<0.00030	-	<0.00030	<0.00030	nc	<0.00030	-	-	-	-	-	-	-	-	<0.00030	-	-	-	<0.00030	-	-	-	-		

Notes:

- CCME Canadian Council of Ministers of the Environment
- A Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Direct contact)
- B Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
- C Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Protection of potable water)
- D Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Direct contact)
- E Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
- F Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Protection of potable water)
- G Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
- H Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Environmental Health)
- I Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
- J Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Soil Contact)
- K Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
- L Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Environmental Health)
- M Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
- N Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil and food ingestion)
- O Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil Contact)
- P Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and coarse grained soil - soil leaching to potable groundwater
- Q Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and fine grained soil - soil leaching to potable groundwater
- R Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and coarse grained soil - soil leaching to potable groundwater
- S Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and fine grained soil - soil leaching to potable groundwater
- T Canada Wide Standards for PHC in Soil - Commercial - Coarse, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- U Canada Wide Standards for PHC in Soil - Commercial land use - Coarse-grained Surface Soil, Tier 1 (Revised Jan 2008, Table 3), lowest guideline
- V Canada Wide Standards for PHC in Soil - Commercial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- W Canada Wide Standards for PHC in Soil - Commercial land use - Fine-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 2), lowest guideline
- X Canada Wide Standards for PHC in Soil - Industrial - Coarse, Surface Soil - Protection of Potable Groundwater

Table 2A
Summary of Soil Analytical Results – Link 11
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location		TP24-LK01	TP24-LK02	TP24-LK03	TP24-LK04	TP24-LK05	TP24-LK06	TP24-LK07	TP24-LK08	TP24-LK09	TP24-LK10
Sample Date		2-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24
Sample ID		TP24-LK 01 SS1	TP24-LK02 SS1	TP24-LK02 SS2	TP24-LK-DUP4 SS1	TP24-LK03 SS1	TP24-LK03 SS2	TP24-LK04 SS1	TP24-LK04 SS2	TP24-LK05 SS1	TP24-LK05 SS2
Sampling Company		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory		BV	BV	BV	BV	BV	BV	BV	BV	BV	BV
Laboratory Work Order		C4D0261	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746
Laboratory Sample ID		ZBL169	ZBD851	ZBD852	ZBD885	ZBD856	ZBD857	ZBD858	ZBD859	ZBD860	ZBD861
Sample Type	Units	CCME		Field Duplicate				Field Duplicate			
Polycyclic Aromatic Hydrocarbons (PAHs)											
					RPD (%)						
Acenaphthene	mg/kg	0.28 ^B 0.28 ^M	<0.010	<0.010	-	2.3 ^M	-	<0.010	<0.010	-	<0.010
Acenaphthylene	mg/kg	320 ^B 320 ^M	<0.010	<0.010	-	0.017	-	<0.010	<0.010	-	<0.010
Anthracene	mg/kg	32 ^B 32 ^F 32 ^F 32 ^D	<0.010	<0.010	-	4.4	-	<0.010	<0.010	-	<0.010
Benzo(a)anthracene	mg/kg	10 ^{BG} 10 ^F 10 ^K	0.019	<0.010	-	9.0	-	<0.010	<0.010	-	<0.010
Benzo(a)pyrene	mg/kg	72 ^{BH} 72 ^E 8,800 ^J 72 ^F 72 ^F 8,800 ^M 72 ^D	0.013	<0.010	-	6.9	-	<0.010	<0.010	-	<0.010
Benzo(b)fluoranthene	mg/kg	10 ^{BG} 10 ^F 10 ^K	<0.010	<0.010	-	5.0	-	<0.010	<0.010	-	<0.010
Benzo(b)jfluoranthene	mg/kg	10 ^{BG} 10 ^F 10 ^K	<0.020	<0.020	-	8.2	-	<0.020	<0.020	-	<0.020
Benzo(g,h,i)perylene	mg/kg	n/v	<0.010	<0.010	-	3.1	-	<0.010	<0.010	-	<0.010
Benzo(j)fluoranthene	mg/kg	n/v	<0.010	<0.010	-	3.2	-	<0.010	<0.010	-	<0.010
Benzo(k)fluoranthene	mg/kg	10 ^{BG} 10 ^F 10 ^K	<0.010	<0.010	-	3.2	-	<0.010	<0.010	-	<0.010
Chrysene	mg/kg	n/v	0.020	<0.010	-	9.2	-	<0.010	<0.010	-	<0.010
Dibenzo(a,h)anthracene	mg/kg	10 ^{BG} 10 ^F 10 ^K	<0.010	<0.010	-	1.1	-	<0.010	<0.010	-	<0.010
Fluoranthene	mg/kg	180 ^{BH} 180 ^F 180 ^F 180 ^D	0.036	<0.010	-	14	-	<0.010	<0.010	-	<0.010
Fluorene	mg/kg	0.25 ^F 0.25 ^M	<0.010	<0.010	-	2.6 ^M	-	<0.010	<0.010	-	<0.010
Indeno(1,2,3-cd)pyrene	mg/kg	10 ^{BG} 10 ^F 10 ^K	<0.010	<0.010	-	2.8	-	<0.010	<0.010	-	<0.010
Methylnaphthalene, 1-	mg/kg	n/v	<0.010	<0.010	-	0.60	-	<0.010	<0.010	-	<0.010
Methylnaphthalene, 2-	mg/kg	n/v	<0.010	<0.010	-	0.64	-	<0.010	<0.010	-	<0.010
Naphthalene	mg/kg	0.013 ^{BE} 22 ^D 0.013 ^F 22 ^K 0.013 ^H	<0.010	<0.010	-	0.56 ^{BEIM}	-	<0.010	<0.010	0.027	<0.010
Perylene	mg/kg	n/v	<0.010	<0.010	-	1.3	-	<0.010	<0.010	0.048	<0.010
Phenanthrene	mg/kg	0.046 ^{BE} 50 ^D 0.046 ^F 50 ^K 0.046 ^H	0.025	<0.010	-	13 ^{BEIM}	-	<0.010	<0.010	0.94 ^{BEIM}	<0.010
Pyrene	mg/kg	100 ^{BG} 100 ^F 100 ^K	0.027	<0.010	-	13	-	<0.010	<0.010	0.60	<0.010
B(a)P TPE	mg/kg	0.6 ^{AD}	0.029	<0.010	-	7.92 ^{AD}	-	<0.010	<0.010	0.29	<0.010

Notes:

- CCME Canadian Council of Ministers of the Environment
- A Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Direct contact)
- B Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
- C Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Protection of potable water)
- D Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Direct contact)
- E Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
- F Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Protection of potable water)
- G Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
- H Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Environmental Health)
- I Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
- J Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Soil Contact)
- K Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
- L Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Environmental Health)
- M Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
- N Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil and food ingestion)
- O Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil Contact)
- P Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and coarse grained soil - soil leaching to potable groundwater
- Q Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and fine grained soil - soil leaching to potable groundwater
- R Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and coarse grained soil - soil leaching to potable groundwater
- S Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and fine grained soil - soil leaching to potable groundwater
- T Canada Wide Standards for PHC in Soil - Commercial - Coarse, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- U Canada Wide Standards for PHC in Soil - Commercial land use - Coarse-grained Surface Soil, Tier 1 (Revised Jan 2008, Table 3), lowest guideline
- V Canada Wide Standards for PHC in Soil - Commercial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- W Canada Wide Standards for PHC in Soil - Commercial land use - Fine-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 2), lowest guideline
- X Canada Wide Standards for PHC in Soil - Industrial - Coarse, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- Y Canada Wide Standards for PHC in Soil - Industrial land use - Coarse-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 3), lowest guideline
- Z Canada Wide Standards for PHC in Soil - Industrial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- a Canada Wide Standards for PHC in Soil - Industrial land use - Fine-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 2), lowest guideline
- 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.
- e This value is the Soil Quality Guideline for the Protection of Freshwater Life. Users may wish to consider the application, on a site-specific basis, of this value where potential impacts to nearby surface waters are a concern (the value may be less than the common limit of detection in some jurisdictions; contact jurisdiction for guidance). If impact to surface water is not a concern, it is recommended to revert to the 1997 provisional SQGE for naphthalene and the 1991 Interim Soil Quality Criteria for phenanthrene.
- at Standard is applicable to PHC in the F1 range minus BTEX.
- RPD Relative Percent Difference.
- 61% RPD exceeds data quality objective of 60%.
- 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.

Table 2A
Summary of Soil Analytical Results – Link 11
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location Sample Date Sample ID Sampling Company Laboratory Laboratory Work Order Laboratory Sample ID Sample Type	Units	CCME	TP24-LK11		TP24-LK12		TP24-LK13		RPD (%)	TP24-LK14		TP24-LK15				
			1-May-24 TP24-LK11 SS1 STANTEC BV C4D0746 ZBD872	1-May-24 TP24-LK11 SS2 STANTEC BV C4D0746 ZBD873	1-May-24 TP24-LK12 SS1 STANTEC BV C4D0746 ZBD874	1-May-24 TP24-LK12 SS2 STANTEC BV C4D0746 ZBD875	1-May-24 TP24-LK13 SS1 STANTEC BV C4D0746 ZBD876	1-May-24 TP24-LK13 SS2 STANTEC BV C4D0746 ZBD877		1-May-24 TP24-LK14 SS1 STANTEC BV C4D0746 ZBD878	1-May-24 TP24-LK14 SS2 STANTEC BV C4D0746 ZBD879	1-May-24 TP24-LK15 SS1 STANTEC BV C4D0746 ZBD880	1-May-24 TP24-LK15 SS2 STANTEC BV C4D0746 ZBD881			
Physical Properties																
Moisture Content	%	n/v	-	12	15	-	16	15	6%	-	16	12	13	8%	13	12
Moisture Content-Subcontracted	%	n/v	-	-	14	-	-	-	-	-	-	-	-	-	-	-
Metals																
Aluminum	mg/kg	n/v	8,600	-	-	15,000	-	-	-	13,000	9,500	-	-	-	13,000	-
Antimony	mg/kg	40 ^{PR} 40 ^S	<2.0	-	-	<2.0	-	-	-	<2.0	<2.0	-	-	-	<2.0	-
Arsenic	mg/kg	12 ^{PR} 12 ^S	5.5	-	-	10	-	-	-	10	6.3	-	-	-	8.1	-
Barium	mg/kg	2,000 ^{PR} 2,000 ^S	35	-	-	180	-	-	-	140	22	-	-	-	35	-
Beryllium	mg/kg	8 ^{PR} 8 ^S	<1.0	-	-	<1.0	-	-	-	<1.0	<1.0	-	-	-	<1.0	-
Bismuth	mg/kg	n/v	<2.0	-	-	<2.0	-	-	-	<2.0	<2.0	-	-	-	<2.0	-
Boron	mg/kg	n/v	<50	-	-	<50	-	-	-	<50	<50	-	-	-	<50	-
Cadmium	mg/kg	22 ^{PR} 22 ^S	<0.30	-	-	<0.30	-	-	-	<0.30	<0.30	-	-	-	<0.30	-
Chromium	mg/kg	11	11	-	-	24	-	-	-	21	15	-	-	-	19	-
Cobalt	mg/kg	300 ^{PR} 300 ^S	3.9	-	-	15	-	-	-	13	5.8	-	-	-	9.9	-
Copper	mg/kg	91 ^{PR} 91 ^S	6.4	-	-	22	-	-	-	19	7.9	-	-	-	15	-
Iron	mg/kg	n/v	13,000	-	-	31,000	-	-	-	28,000	22,000	-	-	-	25,000	-
Lead	mg/kg	260 ^P 260 ^S	11	-	-	18	-	-	-	15	11	-	-	-	13	-
Lithium	mg/kg	n/v	11	-	-	28	-	-	-	25	17	-	-	-	22	-
Manganese	mg/kg	n/v	190	-	-	890	-	-	-	700	310	-	-	-	560	-
Mercury	mg/kg	24 ^P 24 ^S	<0.10	-	-	<0.10	-	-	-	<0.10	<0.10	-	-	-	<0.10	-
Molybdenum	mg/kg	40 ^{PR} 40 ^S	<2.0	-	-	<2.0	-	-	-	<2.0	<2.0	-	-	-	<2.0	-
Nickel	mg/kg	89 ^{PR} 89 ^S	9.3	-	-	32	-	-	-	28	13	-	-	-	19	-
Rubidium	mg/kg	n/v	8.7	-	-	14	-	-	-	13	6.7	-	-	-	8.7	-
Selenium	mg/kg	2.9 ^{PR} 2.9 ^S	<0.50	-	-	<0.50	-	-	-	<0.50	<0.50	-	-	-	<0.50	-
Silver	mg/kg	40 ^{PR} 40 ^S	<0.50	-	-	<0.50	-	-	-	<0.50	<0.50	-	-	-	<0.50	-
Strontium	mg/kg	n/v	5.6	-	-	15	-	-	-	13	<5.0	-	-	-	<5.0	-
Thallium	mg/kg	1 ^{PR} 1 ^S	<0.10	-	-	0.11	-	-	-	0.11	<0.10	-	-	-	<0.10	-
Tin	mg/kg	300 ^{PR} 300 ^S	<1.0	-	-	<1.0	-	-	-	<1.0	<1.0	-	-	-	<1.0	-
Uranium	mg/kg	33 ^P 33 ^S	0.41	-	-	0.69	-	-	-	0.69	0.47	-	-	-	0.76	-
Vanadium	mg/kg	130 ^{PR} 130 ^S	20	-	-	25	-	-	-	22	18	-	-	-	21	-
Zinc	mg/kg	410 ^{PR} 410 ^S	34	-	-	64	-	-	-	60	31	-	-	-	43	-
BTEX and Petroleum Hydrocarbons																
Benzene	µg/g	0.03 ^{PR} 0.0068 ^S	-	-	<0.0060	-	<0.0060	<0.0060	nc	-	<0.0060	-	-	-	-	<0.0060
Toluene	µg/g	0.37 ^{PR} 0.08 ^S	-	-	<0.020	-	<0.020	<0.020	nc	-	<0.020	-	-	-	-	<0.020
Ethylbenzene	µg/g	0.082 ^{PR} 0.018 ^S	-	-	<0.010	-	<0.010	<0.010	nc	-	<0.010	-	-	-	-	<0.010
Xylene, m & p-	µg/g	n/v	-	-	<0.020	-	<0.020	<0.020	nc	-	<0.020	-	-	-	-	<0.020
Xylene, o-	µg/g	n/v	-	-	<0.020	-	<0.020	<0.020	nc	-	<0.020	-	-	-	-	<0.020
Xylenes, Total	µg/g	11 ^{PR} 2.4 ^S	-	-	<0.020	-	<0.020	<0.020	nc	-	<0.020	-	-	-	-	<0.020
PHC F1 (C6-C10 range)	µg/g	n/v	-	-	<10	-	<10	<10	nc	-	<10	-	-	-	-	<10
PHC F1 (C6-C10 range) minus BTEX	µg/g	240 ^{TX} 320 ^U 170 ^V 320 ^W 320 ^X 170 ^Z 320 ^A	-	-	<10	-	<10	<10	nc	-	<10	-	-	-	-	<10
PHC F2 (>C10-C16 range)	µg/g	320 ^{TX} 260 ^U 230 ^V 260 ^W 260 ^X 230 ^Z 260 ^A	-	-	<10	-	<10	<10	nc	-	<10	-	-	-	-	<10
PHC F3 (>C16-C34 range)	µg/g	1,700 ^U 2,500 ^V 2,500 ^W	-	-	<50	-	<50	<50	nc	-	<50	-	-	-	-	<50
PHC F4 (>C34-C50 range)	µg/g	3,300 ^U 6,600 ^V 6,600 ^W	-	-	<50	-	<50	<50	nc	-	<50	-	-	-	-	<50
Chromatogram to baseline at C50	none	n/v	-	-	YES	-	YES	YES	nc	-	YES	-	-	-	-	YES

- Notes:**
- CCME Canadian Council of Ministers of the Environment
 - A Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Direct contact)
 - B Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
 - C Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Protection of potable water)
 - D Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Direct contact)
 - E Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
 - F Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Protection of potable water)
 - G Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
 - H Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Environmental Health)
 - I Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
 - J Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Soil Contact)
 - K Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
 - L Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Environmental Health)
 - M Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
 - N Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil and food ingestion)
 - O Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil Contact)
 - P Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and coarse grained soil - soil leaching to potable groundwater
 - Q Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and fine grained soil - soil leaching to potable groundwater
 - R Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and coarse grained soil - soil leaching to potable groundwater
 - S Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and fine grained soil - soil leaching to potable groundwater
 - T Canada Wide Standards for PHC in Soil - Commercial - Coarse, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
 - U Canada Wide Standards for PHC in Soil - Commercial land use - Coarse-grained Surface Soil, Tier 1 (Revised Jan 2008, Table 3), lowest guideline
 - V Canada Wide Standards for PHC in Soil - Commercial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
 - W Canada Wide Standards for PHC in Soil - Commercial land use - Fine-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 2), lowest guideline
 - X Canada Wide Standards for PHC in Soil - Industrial - Coarse, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
 - Y Canada Wide Standards for PHC in Soil - Industrial land use - Coarse-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 3), lowest guideline
 - Z Canada Wide Standards for PHC in Soil - Industrial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
 - a Canada Wide Standards for PHC in Soil - Industrial land use - Fine-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 2), lowest guideline
 - 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.
 - e This value is the Soil Quality Guideline for the Protection of Freshwater Life. Users may wish to consider the application, on a site-specific basis, of this value where potential impacts to nearby surface waters are a concern (the value may be less than the common limit of detection in some jurisdictions; contact jurisdiction for guidance). If impact to surface water is not a concern, it is recommended to revert to the 1997 provisional SQGE for naphthalene and the 1991 Interim Soil Quality Criteria for phenanthrene.
 - 87 Standard is applicable to PHC in the F1 range minus BTEX.
 - RPD Relative Percent Difference.
 - 81% RPD exceeds data quality objective of 60%.
 - nc RPD is not calculated if one or more values is not detect or if one or more values is less than five times the reportable detection limit.

Table 2A
Summary of Soil Analytical Results – Link 11
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location Sample Date Sample ID Sampling Company Laboratory Laboratory Work Order Laboratory Sample ID Sample Type	Units	CCME	TP24-LK11		TP24-LK12		TP24-LK13		TP24-LK14		TP24-LK15	
			1-May-24 TP24-LK11 SS1 STANTEC BV C4D0746 ZBD872	1-May-24 TP24-LK11 SS2 STANTEC BV C4D0746 ZBD873	1-May-24 TP24-LK12 SS1 STANTEC BV C4D0746 ZBD874	1-May-24 TP24-LK12 SS2 STANTEC BV C4D0746 ZBD875	1-May-24 TP24-LK13 SS1 STANTEC BV C4D0746 ZBD876	1-May-24 TP24-LK-DUP2 SS1 STANTEC BV C4D0746 ZBD893 Field Duplicate	1-May-24 TP24-LK13 SS2 STANTEC BV C4D0746 ZBD877	1-May-24 TP24-LK14 SS1 STANTEC BV C4D0746 ZBD878	1-May-24 TP24-LK14 SS2 STANTEC BV C4D0746 ZBD879	1-May-24 TP24-LK-DUP1 SS1 STANTEC BV C4D0746 ZBD882 Field Duplicate
Volatile Organic Compounds (VOCs)												
Bromodichloromethane	mg/kg	n/v	-	-	<0.030	-	-	-	-	-	-	-
Bromofom (Tribromomethane)	mg/kg	n/v	-	-	<0.050	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	mg/kg	n/v	-	-	<0.020	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.00050	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	mg/kg	10 ^{PR} 10 ^S 10 ^S	-	-	<0.0050	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	mg/kg	n/v	-	-	<0.020	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.010	-	-	-	-	-	-	-
Chloromethane	mg/kg	n/v	-	-	<0.030	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	n/v	-	-	<0.020	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	mg/kg	10 ^{PR} 10 ^S 10 ^S	-	-	<0.020	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	mg/kg	10 ^{PR} 10 ^S 10 ^S	-	-	<0.020	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	mg/kg	10 ^{PR} 10 ^S 10 ^S	-	-	<0.020	-	-	-	-	-	-	-
Dichloroethane, 1,1-	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.020	-	-	-	-	-	-	-
Dichloroethane, 1,2-	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.0020	-	-	-	-	-	-	-
Dichloroethane, 1,1-	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.020	-	-	-	-	-	-	-
Dichloroethane, cis-1,2-	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.020	-	-	-	-	-	-	-
Dichloroethane, trans-1,2-	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.020	-	-	-	-	-	-	-
Dichloropropane, 1,2-	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.020	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	mg/kg	n/v	-	-	<0.020	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	mg/kg	n/v	-	-	<0.020	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	mg/kg	n/v	-	-	<0.020	-	-	-	-	-	-	-
Methyl Methacrylate	mg/kg	n/v	-	-	<0.040	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	mg/kg	n/v	-	-	<0.030	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.030	-	-	-	-	-	-	-
Styrene	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.020	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	mg/kg	n/v	-	-	<0.050	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.050	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	mg/kg	0.5 ^S 0.5 ^S 0.6 ^S 0.6 ^S	-	-	<0.010	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,3-	mg/kg	10 ^{PR} 10 ^S 10 ^S	-	-	<0.040	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	mg/kg	10 ^{PR} 10 ^S 10 ^S	-	-	<0.040	-	-	-	-	-	-	-
Trichlorobenzene, 1,3,5-	mg/kg	10 ^{PR} 10 ^S 10 ^S	-	-	<0.040	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.020	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	mg/kg	50 ^{PR} 50 ^S 50 ^S	-	-	<0.020	-	-	-	-	-	-	-
Trichloroethene (TCE)	mg/kg	0.01 ^{PR} 0.01 ^S 0.01 ^S	-	-	<0.0010	-	-	-	-	-	-	-
Trichlorofluoromethane (Freon 11)	mg/kg	n/v	-	-	<0.020	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	mg/kg	n/v	-	-	<0.50	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	mg/kg	n/v	-	-	<0.50	-	-	-	-	-	-	-
Vinyl Chloride	mg/kg	n/v	-	-	<0.00030	-	-	-	-	-	-	-

Notes:

- CCME Canadian Council of Ministers of the Environment
- A Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Direct contact)
- B Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
- C Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Protection of potable water)
- D Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Direct contact)
- E Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
- F Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Protection of potable water)
- G Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
- H Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Environmental Health)
- I Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
- J Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Soil Contact)
- K Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
- L Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Environmental Health)
- M Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
- N Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil and food ingestion)
- O Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil Contact)
- P Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and coarse grained soil - soil leaching to potable groundwater
- Q Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and fine grained soil - soil leaching to potable groundwater
- R Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and coarse grained soil - soil leaching to potable groundwater
- S Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and fine grained soil - soil leaching to potable groundwater
- T Canada Wide Standards for PHC in Soil - Commercial - Coarse, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- U Canada Wide Standards for PHC in Soil - Commercial land use - Coarse-grained Surface Soil, Tier 1 (Revised Jan 2008, Table 3), lowest guideline
- V Canada Wide Standards for PHC in Soil - Commercial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- W Canada Wide Standards for PHC in Soil - Commercial land use - Fine-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 2), lowest guideline
- X Canada Wide Standards for PHC in Soil - Industrial - Coarse, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- Y Canada Wide Standards for PHC in Soil - Industrial land use - Coarse-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 3), lowest guideline
- Z Canada Wide Standards for PHC in Soil - Industrial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- a Canada Wide Standards for PHC in Soil - Industrial land use - Fine-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 2), lowest guideline
- 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.
- e This value is the Soil Quality Guideline for the Protection of Freshwater Life. Users may wish to consider the application, on a site-specific basis, of this value where potential impacts to nearby surface waters are a concern (the value may be less than the common limit of detection in some jurisdictions; contact jurisdiction for guidance). If impact to surface water is not a concern, it is recommended to revert to the 1997 provisional SQGE for naphthalene and the 1991 Interim Soil Quality Criteria for phenanthrene.
- s7 Standard is applicable to PHC in the F1 range minus BTEX.
- RPD Relative Percent Difference.
- 61% RPD exceeds data quality objective of 60%.
- 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.

Table 2A
Summary of Soil Analytical Results – Link 11
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location Sample Date Sample ID Sampling Company Laboratory Laboratory Work Order Laboratory Sample ID Sample Type	Units	CCME	TP24-LK11		TP24-LK12		TP24-LK13		TP24-LK14		TP24-LK15				
			1-May-24 TP24-LK11 SS1 STANTEC BV C4D0746 ZBD872	1-May-24 TP24-LK11 SS2 STANTEC BV C4D0746 ZBD873	1-May-24 TP24-LK12 SS1 STANTEC BV C4D0746 ZBD874	1-May-24 TP24-LK12 SS2 STANTEC BV C4D0746 ZBD875	1-May-24 TP24-LK13 SS1 STANTEC BV C4D0746 ZBD876	1-May-24 TP24-LK-DUP2 SS1 STANTEC BV C4D0746 ZBD883 Field Duplicate	1-May-24 TP24-LK13 SS2 STANTEC BV C4D0746 ZBD877	1-May-24 TP24-LK14 SS1 STANTEC BV C4D0746 ZBD878	1-May-24 TP24-LK14 SS2 STANTEC BV C4D0746 ZBD879	1-May-24 TP24-LK-DUP1 SS1 STANTEC BV C4D0746 ZBD882 Field Duplicate	1-May-24 TP24-LK15 SS1 STANTEC BV C4D0746 ZBD880	1-May-24 TP24-LK15 SS2 STANTEC BV C4D0746 ZBD881	
Polycyclic Aromatic Hydrocarbons (PAHs)															
Acenaphthene	mg/kg	0.28 ^A 0.28 ^M	-	<0.010	0.042	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Acenaphthylene	mg/kg	320 ^M 320 ^M	-	<0.010	<0.010	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Anthracene	mg/kg	32 ^M 32 ^F 32 ^F 32 ^F 32 ^D	-	<0.010	0.053	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Benzo(a)anthracene	mg/kg	10 ^{BG} 10 ^F 10 ^K	-	<0.010	0.29	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Benzo(a)pyrene	mg/kg	72 ^{BH} 72 ^E 8,800 ^F 72 ^F 72 ^F 8,800 ^M 72 ^D	-	<0.010	0.39	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Benzo(b)fluoranthene	mg/kg	10 ^{BG} 10 ^F 10 ^K	-	<0.010	0.32	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Benzo(b)jfluoranthene	mg/kg	10 ^{BG} 10 ^F 10 ^K	-	<0.020	0.50	-	<0.020	-	-	-	<0.020	<0.020	nc	<0.020	-
Benzo(g,h,i)perylene	mg/kg	n/v	-	<0.010	0.27	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Benzo(j)fluoranthene	mg/kg	n/v	-	<0.010	0.17	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Benzo(k)fluoranthene	mg/kg	10 ^{BG} 10 ^F 10 ^K	-	<0.010	0.17	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Chrysene	mg/kg	n/v	-	<0.010	0.44	-	<0.015	-	-	-	<0.010	<0.010	nc	<0.010	-
Dibenzo(a,h)anthracene	mg/kg	10 ^{BG} 10 ^F 10 ^K	-	<0.010	0.059	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Fluoranthene	mg/kg	180 ^{BH} 180 ^F 180 ^F 180 ^F 180 ^D	-	<0.010	0.66	-	0.030	-	-	-	<0.010	<0.010	nc	<0.010	-
Fluorene	mg/kg	0.25 ^F 0.25 ^M	-	<0.010	0.022	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Indeno(1,2,3-cd)pyrene	mg/kg	10 ^{BG} 10 ^F 10 ^K	-	<0.010	0.20	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Methylnaphthalene, 1-	mg/kg	n/v	-	<0.010	<0.010	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Methylnaphthalene, 2-	mg/kg	n/v	-	<0.010	<0.010	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Naphthalene	mg/kg	0.013 ^{BE} 22 ^D 0.013 ^F 22 ^K 0.013 ^M	-	<0.010	<0.010	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Perylene	mg/kg	n/v	-	<0.010	0.093	-	<0.010	-	-	-	<0.010	<0.010	nc	<0.010	-
Phenanthrene	mg/kg	0.046 ^{BE} 50 ^D 0.046 ^F 50 ^K 0.046 ^M	-	<0.010	0.41^{BEIM}	-	0.013	-	-	-	<0.010	<0.010	nc	<0.010	-
Pyrene	mg/kg	100 ^{BG} 100 ^F 100 ^K	-	<0.010	0.57	-	0.022	-	-	-	<0.010	<0.010	nc	<0.010	-
B(a)P TPE	mg/kg	0.6 ^{AD}	-	<0.010	0.44	-	0.025	-	-	-	<0.010	<0.010	nc	<0.010	-

Notes:

- A Canadian Council of Ministers of the Environment
- B Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Direct contact)
- C Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
- D Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Protection of potable water)
- E Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Direct contact)
- F Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
- G Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Protection of potable water)
- H Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
- I Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Environmental Health)
- J Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
- K Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Soil Contact)
- L Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
- M Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Environmental Health)
- N Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
- O Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil and food ingestion)
- P Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil Contact)
- Q Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and coarse grained soil - soil leaching to potable groundwater
- R Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and fine grained soil - soil leaching to potable groundwater
- S Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and coarse grained soil - soil leaching to potable groundwater
- T Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and fine grained soil - soil leaching to potable groundwater
- U Canada Wide Standards for PHC in Soil - Commercial - Coarse, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- V Canada Wide Standards for PHC in Soil - Commercial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- W Canada Wide Standards for PHC in Soil - Commercial land use - Fine-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 2), lowest guideline
- X Canada Wide Standards for PHC in Soil - Commercial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- Y Canada Wide Standards for PHC in Soil - Industrial land use - Coarse-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 3), lowest guideline
- Z Canada Wide Standards for PHC in Soil - Industrial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
- 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.
- e This value is the Soil Quality Guideline for the Protection of Freshwater Life. Users may wish to consider the application, on a site-specific basis, of this value where potential impacts to nearby surface waters are a concern (the value may be less than the common limit of detection in some jurisdictions; contact jurisdiction for guidance). If impact to surface water is not a concern, it is recommended to revert to the 1997 provisional SQGE for naphthalene and the 1991 Interim Soil Quality Criteria for phenanthrene.
- 67 Standard is applicable to PHC in the F1 range minus BTEX.
- RPD Relative Percent Difference.
- 61% RPD exceeds data quality objective of 60%.
- 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.

Table 2B
Summary of Soil Analytical Results – Link 11
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location	Sample Date	Sample ID	Sampling Company	Laboratory	Laboratory Work Order	Laboratory Sample ID	Sample Type	TP24-LK01		TP24-LK02		TP24-LK03		TP24-LK04		TP24-LK05		TP24-LK06		TP24-LK07		TP24-LK08	
								2-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24
		TP24-LK 01 SS1	TP24-LK02 SS1	TP24-LK02 SS2	TP24-LK-DUP4 SS1	TP24-LK03 SS1	TP24-LK03 SS2	TP24-LK04 SS1	TP24-LK04 SS2	TP24-LK05 SS1	TP24-LK-DUP3 SS1	TP24-LK05 SS2	TP24-LK06 SS1	TP24-LK06 SS2	TP24-LK07 SS1	TP24-LK07 SS2	TP24-LK08 SS1	TP24-LK08 SS2	TP24-LK08 SS1	TP24-LK08 SS2	TP24-LK08 SS1	TP24-LK08 SS2	
		STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	STANTEC BV	
		C4D2061	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	
		ZBL189	ZBD851	ZBD852	ZBD851	ZBD855	ZBD857	ZBD858	ZBD859	ZBD860	ZBD884	ZBD861	ZBD862	ZBD863	ZBD864	ZBD865	ZBD866	ZBD866	ZBD866	ZBD866	ZBD866	ZBD867	
		Units	NSECC		Field Duplicate	RPD (%)																	
Physical Properties																							
Moisture Content	%	n/v	17	21	12	13	8%	34	-	20	13	16	-	-	11	15	13	14	-	18	14	-	
Moisture Content	%	n/v	25	-	-	-	-	27	-	-	-	-	-	-	-	-	14	-	-	-	-	-	
Metals																							
Aluminum	mg/kg	15,400 ^A 220,000 ^B	11,000	7,000	-	-	-	15,000	6,300	-	2,300	1,900	19%	-	11,000	-	-	11,000	11,000	-	-	-	
Antimony	mg/kg	7.5 ^A 63 ^B	<2.0	<2.0	-	-	-	<2.0	<2.0	-	<2.0	<2.0	nc	-	<2.0	-	-	<2.0	<2.0	-	-	-	
Arsenic	mg/kg	31 ^A 31 ^B	7.9	3.9	-	-	-	9.2	3.6	-	<2.0	<2.0	nc	-	11	-	-	9.8	7.2	-	-	-	
Barium	mg/kg	10,000 ^A 96,000 ^B	62	20	-	-	-	150	14	-	10	7.9	nc	-	51	-	-	120	63	-	-	-	
Beryllium	mg/kg	110 ^A 1,100 ^B	<1.0	<1.0	-	-	-	<1.0	<1.0	-	<1.0	<1.0	nc	-	<1.0	-	-	<1.0	<1.0	-	-	-	
Bismuth	mg/kg	n/v	<2.0	<2.0	-	-	-	<2.0	<2.0	-	<2.0	<2.0	nc	-	<2.0	-	-	<2.0	<2.0	-	-	-	
Boron	mg/kg	4,300 ^A 24,000 ^B	<50	<50	-	-	-	<50	<50	-	<50	<50	nc	-	<50	-	-	<50	<50	-	-	-	
Cadmium	mg/kg	49 ^A 192 ^B	<0.30	<0.30	-	-	-	<0.30	<0.30	-	<0.30	<0.30	nc	-	<0.30	-	-	<0.30	<0.30	-	-	-	
Chromium	mg/kg	630 ^A 2,300 ^B	16	9.4	-	-	-	23	6.9	-	2.3	<2.0	nc	-	16	-	-	19	17	-	-	-	
Cobalt	mg/kg	22 ^A 250 ^B	7.9	2.8	-	-	-	12	1.7	-	<1.0	<1.0	nc	-	9.5	-	-	11	6.3	-	-	-	
Copper	mg/kg	4,000 ^A 16,000 ^B	21	4.4	-	-	-	22	2.5	-	<2.0	<2.0	nc	-	23	-	-	18	11	-	-	-	
Iron	mg/kg	11,000 ^A 164,000 ^B	20,000 ^A	14,000 ^A	-	-	-	30,000 ^A	9,900	-	2,300	1,400	49%	-	20,000 ^A	-	-	25,000 ^A	23,000 ^A	-	-	-	
Lead	mg/kg	260 ^A 740 ^B	18	8.7	-	-	-	17	6.5	-	4.1	3.5	16%	-	14	-	-	13	12	-	-	-	
Lithium	mg/kg	n/v	18	9.5	-	-	-	29	8.0	-	<2.0	<2.0	nc	-	19	-	-	21	16	-	-	-	
Manganese	mg/kg	360 ^A 5,200 ^B	370 ^A	120	-	-	-	700 ^A	85	-	38	29	27%	-	660 ^A	-	-	770 ^A	300	-	-	-	
Mercury	mg/kg	24 ^A 99 ^B	<0.10	<0.10	-	-	-	<0.10	<0.10	-	<0.10	<0.10	nc	-	<0.10	-	-	<0.10	<0.10	-	-	-	
Molybdenum	mg/kg	110 ^A 1,200 ^B	<2.0	<2.0	-	-	-	<2.0	<2.0	-	<2.0	<2.0	nc	-	<2.0	-	-	<2.0	<2.0	-	-	-	
Nickel	mg/kg	310 ^A 2,500 ^B	17	7.9	-	-	-	30	5.0	-	<2.0	<2.0	nc	-	19	-	-	24	16	-	-	-	
Rubidium	mg/kg	n/v	9.6	6.8	-	-	-	14	7.0	-	3.7	4.0	nc	-	7.5	-	-	11	9.9	-	-	-	
Selenium	mg/kg	125 ^A 1,135 ^B	<0.50	<0.50	-	-	-	<0.50	<0.50	-	<0.50	<0.50	nc	-	<0.50	-	-	<0.50	<0.50	-	-	-	
Silver	mg/kg	77 ^A 490 ^B	<0.50	<0.50	-	-	-	<0.50	<0.50	-	<0.50	<0.50	nc	-	<0.50	-	-	<0.50	<0.50	-	-	-	
Strontium	mg/kg	9,400 ^A 140,000 ^B	10	6.2	-	-	-	15	5.1	-	<5.0	<5.0	nc	-	9.9	-	-	12	8.7	-	-	-	
Thallium	mg/kg	1 ^A 1 ^B	<0.10	<0.10	-	-	-	0.11	<0.10	-	<0.10	<0.10	nc	-	<0.10	-	-	<0.10	<0.10	-	-	-	
Tin	mg/kg	9,400 ^A 140,000 ^B	<1.0	<1.0	-	-	-	<1.0	<1.0	-	<1.0	<1.0	nc	-	<1.0	-	-	<1.0	<1.0	-	-	-	
Uranium	mg/kg	33 ^A 300 ^B	0.53	0.29	-	-	-	0.66	0.28	-	0.20	0.21	nc	-	0.53	-	-	0.64	0.50	-	-	-	
Vanadium	mg/kg	39 ^A 160 ^B	22	16	-	-	-	24	18	-	5.6	4.9	nc	-	17	-	-	20	22	-	-	-	
Zinc	mg/kg	16,000 ^A 140,000 ^B	51	25	-	-	-	66	18	-	12	6.4	nc	-	46	-	-	54	85	-	-	-	
BTEX and Petroleum Hydrocarbons																							
Benzene	mg/kg	0.52 ^A 0.52 ^B	<0.0050	<0.010	<0.010	-	-	<0.0050	-	<0.010	-	-	<0.0050	<0.010	-	-	<0.0050	-	<0.0050	-	-	-	
Toluene	mg/kg	1,400 ^A 4,700 ^B	<0.050	<0.10	<0.10	-	-	<0.050	<0.10	-	-	-	<0.050	<0.10	-	-	<0.050	-	<0.050	-	-	-	
Ethylbenzene	mg/kg	3,100 ^A 10,000 ^B	<0.010	<0.020	<0.020	-	-	<0.010	<0.020	-	-	-	<0.010	<0.020	-	-	<0.010	-	<0.010	-	-	-	
Xylenes, Total	mg/kg	60 ^A 60 ^B	<0.050	<0.10	<0.10	-	-	<0.050	<0.10	-	-	-	<0.050	<0.10	-	-	<0.050	-	<0.050	-	-	-	
PHC F1 (C6-C10 range) minus BTEX	mg/kg	n/v	<2.5	<5.0	<5.0	-	-	73	<5.0	-	-	-	<2.5	<5.0	-	-	<2.5	<5.0	<5.0	-	-	-	
PHC F2 (>C10-C16 range)	mg/kg	n/v	<10	<10	<10	-	-	4,900	<10	-	-	-	<10	<10	-	-	<10	<10	<10	-	-	-	
>C16-C21 Hydrocarbons	mg/kg	n/v	36	21	<10	-	-	3,700	<10	-	-	-	<10	25	-	-	23	<10	<10	-	-	-	
>C21-<C32 Hydrocarbons	mg/kg	n/v	340	27	<15	-	-	1,300	<15	-	-	-	<15	140	-	-	64	<15	<15	-	-	-	
Chromatogram to baseline at C32	none	n/v	NO	YES	NA	-	-	YES	YES	-	-	-	NA	YES	-	-	YES	YES	YES	-	-	-	
Hydrocarbon Resemblance	none	n/v	LO	LR PF	NA	-	-	WF	LO	-	-	-	NA	LO	-	-	FL LO	PF	PF	-	-	-	
Modified TPH (Tier 1)	mg/kg	2,000 ^{AB} /10,000 ^{AB} /10,000 ^{AB}	370	48	<15	-	-	9,900	44	-	-	-	<15	170	-	-	86	-	27	-	-	-	

- Notes:**
- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
 - ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
 - ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
 - 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.
 - FL Unidentified compound(s) in fuel / lube range.
 - LO Lube oil fraction.
 - LR One product in fuel / lube range.
 - NA Not analyzed.
 - PF Possible lube oil fraction.
 - WF Weathered fuel oil fraction.
 - RPD Relative Percent Difference.
 - 61%** RPD exceeds data quality objective of 60%.
 - 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.

Table 2B
Summary of Soil Analytical Results – Link 11
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location	Sample Date	Sample ID	Sampling Company	Laboratory	Laboratory Work Order	Laboratory Sample ID	Sample Type	Units	NSECC	TP24-LK01	TP24-LK02		TP24-LK03		TP24-LK04		TP24-LK05		TP24-LK06		TP24-LK07		TP24-LK08				
										2-May-24 TP24-LK 01 SS1 STANTEC BV C4D2061 ZBL189	1-May-24 TP24-LK02 SS1 STANTEC BV C4D0746 ZBD851	1-May-24 TP24-LK02 SS2 STANTEC BV C4D0746 ZBD852	1-May-24 TP24-LK-DUP4 SS1 STANTEC BV C4D0746 ZBD885 Field Duplicate	1-May-24 TP24-LK03 SS1 STANTEC BV C4D0746 ZBD856	1-May-24 TP24-LK03 SS2 STANTEC BV C4D0746 ZBD857	1-May-24 TP24-LK04 SS1 STANTEC BV C4D0746 ZBD858	1-May-24 TP24-LK04 SS2 STANTEC BV C4D0746 ZBD859	1-May-24 TP24-LK05 SS1 STANTEC BV C4D0746 ZBD860	1-May-24 TP24-LK-DUP3 SS1 STANTEC BV C4D0746 ZBD884 Field Duplicate	1-May-24 TP24-LK05 SS2 STANTEC BV C4D0746 ZBD861	1-May-24 TP24-LK06 SS1 STANTEC BV C4D0746 ZBD862	1-May-24 TP24-LK06 SS2 STANTEC BV C4D0746 ZBD863	1-May-24 TP24-LK07 SS1 STANTEC BV C4D0746 ZBD864	1-May-24 TP24-LK07 SS2 STANTEC BV C4D0746 ZBD865	1-May-24 TP24-LK08 SS1 STANTEC BV C4D0746 ZBD866	1-May-24 TP24-LK08 SS2 STANTEC BV C4D0746 ZBD867	RPD (%)
Volatile Organic Compounds (VOCs)																											
Bromodichloromethane	mg/kg	130 ^A 180 ^B	<0.030	-	<0.030	<0.030	nc	<0.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.030	
Bromoform (Tribromomethane)	mg/kg	6.1 ^A 6.1 ^B	<0.050	-	<0.050	<0.050	nc	<0.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.050
Bromomethane (Methyl bromide)	mg/kg	0.0016 ^A 0.0016 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Carbon Tetrachloride (Tetrachloromethane)	mg/kg	0.0069 ^A 0.0069 ^B	<0.00050	-	<0.00050	<0.00050	nc	<0.00050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.00050
Chlorobenzene (Monochlorobenzene)	mg/kg	0.22 ^A 0.22 ^B	<0.0050	-	<0.0050	<0.0050	nc	<0.0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0050
Chloroethane (Ethyl Chloride)	mg/kg	n/v	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Chloroform (Trichloromethane)	mg/kg	0.14 ^A 0.14 ^B	<0.010	-	<0.010	<0.010	nc	<0.010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.010
Chloromethane	mg/kg	n/v	<0.030	-	<0.030	<0.030	nc	<0.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.030
Dibromochloromethane	mg/kg	2.5 ^A 2.5 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Dichlorobenzene, 1,2-	mg/kg	130 ^A 130 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Dichlorobenzene, 1,3-	mg/kg	420 ^A 4.400 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Dichlorobenzene, 1,4-	mg/kg	8 ^A 8 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Dichloroethane, 1,1-	mg/kg	56 ^A 56 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Dichloroethane, 1,2-	mg/kg	0.033 ^A 0.033 ^B	<0.0020	-	<0.0020	<0.0020	nc	0.0043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0020
Dichloroethane, 1,1-	mg/kg	0.49 ^A 0.49 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Dichloroethane, cis-1,2-	mg/kg	0.24 ^A 0.24 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Dichloroethane, trans-1,2-	mg/kg	0.25 ^A 0.25 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Dichloropropane, 1,2-	mg/kg	0.16 ^A 0.16 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Dichloropropene, cis-1,3-	mg/kg	1.8 ^A 1.8 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Dichloropropene, trans-1,3-	mg/kg	1.8 ^A 1.8 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Ethylene Dibromide (Dibromoethane, 1,2-)	mg/kg	0.015 ^A 0.015 ^B	<0.0020	-	<0.0020	<0.0020	nc	<0.0020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0020
Methyl Methacrylate	mg/kg	n/v	<0.040	-	<0.040	<0.040	nc	<0.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.040
Methyl tert-butyl ether (MTBE)	mg/kg	0.57 ^A 0.57 ^B	<0.030	-	<0.030	<0.030	nc	<0.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.030
Methylene Chloride (Dichloromethane)	mg/kg	9.0 ^A 9 ^B	<0.030	-	<0.030	<0.030	nc	<0.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.030
Styrene	mg/kg	42 ^A 42 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Tetrachloroethane, 1,1,1,2-	mg/kg	0.87 ^A 0.87 ^B	<0.050	-	<0.050	<0.050	nc	<0.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.050
Tetrachloroethane, 1,1,2,2-	mg/kg	0.19 ^A 0.19 ^B	<0.050	-	<0.050	<0.050	nc	<0.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.050
Tetrachloroethene (PCE)	mg/kg	0.2 ^A 0.2 ^B	<0.010	-	<0.010	<0.010	nc	<0.010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.010
Trichlorobenzene, 1,2,3-	mg/kg	n/v	<0.040	-	<0.040	<0.040	nc	<0.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.040
Trichlorobenzene, 1,2,4-	mg/kg	n/v	<0.040	-	<0.040	<0.040	nc	<0.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.040
Trichlorobenzene, 1,3,5-	mg/kg	n/v	<0.040	-	<0.040	<0.040	nc	<0.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.040
Trichloroethane, 1,1,1-	mg/kg	6.1 ^A 6.1 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Trichloroethane, 1,1,2-	mg/kg	0.42 ^A 0.42 ^B	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Trichloroethene (TCE)	mg/kg	0.01 ^A 0.01 ^B	<0.0010	-	<0.0010	0.0017	nc	<0.0010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0010
Trichlorofluoromethane (Freon 11)	mg/kg	n/v	<0.020	-	<0.020	<0.020	nc	<0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.020
Trimethylbenzene, 1,2,4-	mg/kg	n/v	<0.50	-	<0.50	<0.50	nc	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.50
Trimethylbenzene, 1,3,5-	mg/kg	n/v	<0.50	-	<0.50	<0.50	nc	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.50
Vinyl Chloride	mg/kg	0.0079 ^A 0.016 ^B	<0.00030	-	<0.00030	<0.00030	nc	<0.00030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.00030

Notes:

- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
- ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
- ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
- 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.
- FL Unidentified compound(s) in fuel / lube range.
- LO Lube oil fraction.
- LR One product in fuel / lube range.
- NA Not analyzed.
- PF Possible lube oil fraction.
- WF Weathered fuel oil fraction.
- RPD Relative Percent Difference.
- 61%** RPD exceeds data quality objective of 60%.
- 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.

Table 2B
Summary of Soil Analytical Results – Link 11
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location Sample Date Sample ID Sampling Company Laboratory Laboratory Work Order Laboratory Sample ID Sample Type	Units	NSECC	TP24-LK01	1-May-24	TP24-LK02	1-May-24	TP24-LK03	1-May-24	TP24-LK04	1-May-24	TP24-LK05	1-May-24	TP24-LK06	1-May-24	TP24-LK07	1-May-24	TP24-LK08	1-May-24	
			TP24-LK 01 SS1 STANTEC BV C4D2061 ZBL189	TP24-LK02 SS1 STANTEC BV C4D0746 ZBD851	TP24-LK02 SS2 STANTEC BV C4D0746 ZBD852	TP24-LK-DUP4 SS1 STANTEC BV C4D0746 ZBD885 Field Duplicate	TP24-LK03 SS1 STANTEC BV C4D0746 ZBD856	TP24-LK03 SS2 STANTEC BV C4D0746 ZBD857	TP24-LK04 SS1 STANTEC BV C4D0746 ZBD858	TP24-LK04 SS2 STANTEC BV C4D0746 ZBD859	TP24-LK05 SS1 STANTEC BV C4D0746 ZBD860	TP24-LK-DUP3 SS1 STANTEC BV C4D0746 ZBD884 Field Duplicate	TP24-LK05 SS2 STANTEC BV C4D0746 ZBD861	TP24-LK06 SS1 STANTEC BV C4D0746 ZBD862	TP24-LK06 SS2 STANTEC BV C4D0746 ZBD863	TP24-LK07 SS1 STANTEC BV C4D0746 ZBD864	TP24-LK07 SS2 STANTEC BV C4D0746 ZBD865	TP24-LK08 SS1 STANTEC BV C4D0746 ZBD866	TP24-LK08 SS2 STANTEC BV C4D0746 ZBD867
Polycyclic Aromatic Hydrocarbons (PAHs)																			
Acenaphthene	mg/kg	8,000 ^A 43,000 ^B	<0.010	<0.010	-	-	2.3	-	-	<0.010	<0.010	-	-	-	<0.010	0.13	-	<0.010	-
Acenaphthylene	mg/kg	66 ^A 66 ^B	<0.010	<0.010	-	-	0.017	-	-	<0.010	<0.010	-	-	-	<0.010	<0.010	-	<0.010	-
Anthracene	mg/kg	37,000 ^A 300,000 ^B	<0.010	<0.010	-	-	4.4	-	-	<0.010	<0.010	-	-	-	<0.010	0.26	-	<0.010	-
Benzo(a)anthracene	mg/kg	n/v	0.019	<0.010	-	-	9.0	<0.010	-	<0.010	<0.010	-	-	-	<0.010	0.34	-	<0.010	-
Benzo(a)pyrene	mg/kg	n/v	0.013	<0.010	-	-	6.9	-	-	<0.010	<0.010	-	-	-	<0.010	0.24	-	<0.010	-
Benzo(b)fluoranthene	mg/kg	n/v	<0.010	<0.010	-	-	5.0	-	-	<0.010	<0.010	-	-	-	<0.010	0.19	-	<0.010	-
Benzo(b)fluoranthene	mg/kg	n/v	<0.020	<0.020	-	-	8.2	<0.020	-	<0.020	<0.020	-	-	-	<0.020	0.31	-	<0.020	-
Benzo(g,h,i)perylene	mg/kg	n/v	<0.010	<0.010	-	-	3.1	-	-	<0.010	<0.010	-	-	-	<0.010	0.11	-	<0.010	-
Benzo(j)fluoranthene	mg/kg	n/v	<0.010	<0.010	-	-	3.2	-	-	<0.010	<0.010	-	-	-	<0.010	0.13	-	<0.010	-
Benzo(k)fluoranthene	mg/kg	n/v	<0.010	<0.010	-	-	3.2	<0.010	-	<0.010	<0.010	-	-	-	<0.010	0.13	-	<0.010	-
Chrysene	mg/kg	n/v	0.020	<0.010	-	-	9.2	-	-	<0.010	<0.010	-	-	-	<0.010	0.38	-	0.012	-
Dibenz(a,h)anthracene	mg/kg	n/v	<0.010	<0.010	-	-	1.1	<0.010	-	<0.010	<0.010	-	-	-	<0.010	0.036	-	<0.010	-
Fluoranthene	mg/kg	5,300 ^A 50,000 ^B	0.036	<0.010	-	-	14	-	-	<0.010	<0.010	-	-	-	<0.010	0.76	-	0.025	-
Fluorene	mg/kg	4,100 ^A 39,000 ^B	<0.010	<0.010	-	-	2.6	-	-	<0.010	<0.010	-	-	-	<0.010	0.16	-	<0.010	-
Indeno(1,2,3-cd)pyrene	mg/kg	n/v	<0.010	<0.010	-	-	2.8	<0.010	-	<0.010	<0.010	-	-	-	<0.010	0.099	-	<0.010	-
Methylnaphthalene, 1-	mg/kg	72 ^A 560 ^B	<0.010	<0.010	-	-	0.60	-	-	<0.010	<0.010	-	-	-	<0.010	0.023	-	<0.010	-
Methylnaphthalene, 2-	mg/kg	72 ^A 560 ^B	<0.010	<0.010	-	-	0.64	-	-	<0.010	<0.010	-	-	-	<0.010	0.027	-	<0.010	-
Naphthalene	mg/kg	25 ^A 25 ^B	<0.010	<0.010	-	-	0.56	<0.010	-	<0.010	<0.010	-	-	-	<0.010	0.023	-	<0.010	-
Perylene	mg/kg	n/v	<0.010	<0.010	-	-	1.3	-	-	<0.010	<0.010	-	-	-	<0.010	0.048	-	<0.010	-
Phenanthrene	mg/kg	n/v	0.025	<0.010	-	-	13	-	-	<0.010	<0.010	-	-	-	<0.010	0.94	-	0.029	-
Pyrene	mg/kg	3,200 ^A 30,000 ^B	0.027	<0.010	-	-	13	-	-	<0.010	<0.010	-	-	-	<0.010	0.60	-	0.020	-
B(a)P TPE	mg/kg	5.3 ^{AB}	0.0292	<0.010	-	-	10 ^{AB}	-	-	<0.010	<0.010	-	-	-	<0.010	0.37	-	0.025	-

Notes:
NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
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.
FL Unidentified compound(s) in fuel / lube range.
LO Lube oil fraction.
LR One product in fuel / lube range.
NA Not analyzed.
PF Possible lube oil fraction.
WF Weathered fuel oil fraction.
RPD Relative Percent Difference.
61% RPD exceeds data quality objective of 60%.
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.

Table 2B
Summary of Soil Analytical Results – Link 11
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location			TP24-LK09		TP24-LK10		TP24-LK11		TP24-LK12		TP24-LK13		TP24-LK14		TP24-LK15					
Sample Date			1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24	1-May-24				
Sample ID			TP24-LK09 SS1	TP24-LK09 SS2	TP24-LK10 SS1	TP24-LK10 SS2	TP24-LK11 SS1	TP24-LK11 SS2	TP24-LK12 SS1	TP24-LK12 SS2	TP24-LK13 SS1	TP24-LK13 SS2	TP24-LK14 SS1	TP24-LK14 SS2	TP24-LK15 SS1	TP24-LK15 SS2				
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC				
Laboratory			BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV				
Laboratory Work Order			C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746	C4D0746				
Laboratory Sample ID			ZBD868	ZBD869	ZBD870	ZBD871	ZBD872	ZBD873	ZBD874	ZBD875	ZBD876	ZBD877	ZBD878	ZBD879	ZBD880	ZBD881				
Sample Type																				
Units		NSECC																		
Physical Properties																				
Moisture Content	%	n/v	23	12	19	-	-	12	15	-	16	15	6%	-	16	12	13	8%	13	12
Moisture Content	%	n/v	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-
Metals																				
Aluminum	mg/kg	15,400 ^A 220,000 ^B	10,000	-	-	13,000	8,600	-	-	15,000	-	-	-	13,000	9,500	-	-	-	13,000	-
Antimony	mg/kg	7.5 ^A 63 ^B	<2.0	-	-	<2.0	<2.0	-	-	<2.0	-	-	-	<2.0	<2.0	-	-	-	<2.0	-
Arsenic	mg/kg	31 ^A 31 ^B	6.4	-	-	10	5.5	-	-	10	-	-	-	10	6.3	-	-	-	8.1	-
Barium	mg/kg	10,000 ^A 96,000 ^B	42	-	-	160	35	-	-	180	-	-	-	140	22	-	-	-	35	-
Beryllium	mg/kg	110 ^A 1,100 ^B	<1.0	-	-	<1.0	<1.0	-	-	<1.0	-	-	-	<1.0	<1.0	-	-	-	<1.0	-
Bismuth	mg/kg	n/v	<2.0	-	-	<2.0	<2.0	-	-	<2.0	-	-	-	<2.0	<2.0	-	-	-	<2.0	-
Boron	mg/kg	4,300 ^A 24,000 ^B	<50	-	-	<50	<50	-	-	<50	-	-	-	<50	<50	-	-	-	<50	-
Cadmium	mg/kg	49 ^A 192 ^B	<0.30	-	-	<0.30	<0.30	-	-	<0.30	-	-	-	<0.30	<0.30	-	-	-	<0.30	-
Chromium	mg/kg	630 ^A 2,300 ^B	14	-	-	21	11	-	-	24	-	-	-	21	15	-	-	-	19	-
Cobalt	mg/kg	22 ^A 250 ^B	5.7	-	-	13	3.9	-	-	15	-	-	-	13	5.8	-	-	-	9.9	-
Copper	mg/kg	4,000 ^A 16,000 ^B	8.3	-	-	21	6.4	-	-	22	-	-	-	19	7.8	-	-	-	15	-
Iron	mg/kg	11,000 ^A 164,000 ^B	22,000 ^A	-	-	29,000 ^A	13,000 ^A	-	-	31,000 ^A	-	-	-	28,000 ^A	22,000 ^A	-	-	-	25,000 ^A	-
Lead	mg/kg	260 ^A 740 ^B	11	-	-	15	11	-	-	18	-	-	-	15	11	-	-	-	13	-
Lithium	mg/kg	n/v	15	-	-	26	11	-	-	28	-	-	-	25	17	-	-	-	22	-
Manganese	mg/kg	360 ^A 5,200 ^B	340	-	-	880 ^A	190	-	-	890 ^A	-	-	-	700 ^A	310	-	-	-	560 ^A	-
Mercury	mg/kg	24 ^A 99 ^B	<0.10	-	-	<0.10	<0.10	-	-	<0.10	-	-	-	<0.10	<0.10	-	-	-	<0.10	-
Molybdenum	mg/kg	110 ^A 1,200 ^B	<2.0	-	-	<2.0	<2.0	-	-	<2.0	-	-	-	<2.0	<2.0	-	-	-	<2.0	-
Nickel	mg/kg	310 ^A 2,500 ^B	12	-	-	27	9.3	-	-	32	-	-	-	28	13	-	-	-	19	-
Rubidium	mg/kg	n/v	11	-	-	13	8.7	-	-	14	-	-	-	13	6.7	-	-	-	8.7	-
Selenium	mg/kg	125 ^A 1,135 ^B	<0.50	-	-	<0.50	<0.50	-	-	<0.50	-	-	-	<0.50	<0.50	-	-	-	<0.50	-
Silver	mg/kg	77 ^A 490 ^B	<0.50	-	-	<0.50	<0.50	-	-	<0.50	-	-	-	<0.50	<0.50	-	-	-	<0.50	-
Strontium	mg/kg	9,400 ^A 140,000 ^B	5.8	-	-	23	5.6	-	-	15	-	-	-	13	<5.0	-	-	-	<5.0	-
Thallium	mg/kg	1 ^A 1 ^B	<0.10	-	-	0.11	<0.10	-	-	0.11	-	-	-	0.11	<0.10	-	-	-	<0.10	-
Tin	mg/kg	9,400 ^A 140,000 ^B	<1.0	-	-	<1.0	<1.0	-	-	<1.0	-	-	-	<1.0	<1.0	-	-	-	<1.0	-
Uranium	mg/kg	33 ^A 300 ^B	0.46	-	-	0.79	0.41	-	-	0.69	-	-	-	0.69	0.47	-	-	-	0.76	-
Vanadium	mg/kg	39 ^A 160 ^B	24	-	-	22	20	-	-	25	-	-	-	22	18	-	-	-	21	-
Zinc	mg/kg	16,000 ^A 140,000 ^B	33	-	-	61	34	-	-	64	-	-	-	60	31	-	-	-	43	-
BTEX and Petroleum Hydrocarbons																				
Benzene	mg/kg	0.52 ^A 0.52 ^B	-	<0.010	<0.0050	-	-	-	<0.010	-	<0.010	<0.010	nc	-	<0.010	-	-	-	-	<0.010
Toluene	mg/kg	1,400 ^A 4,700 ^B	-	<0.10	<0.050	-	-	-	<0.10	-	<0.10	<0.10	nc	-	<0.10	-	-	-	-	<0.10
Ethylbenzene	mg/kg	3,100 ^A 10,000 ^B	-	<0.020	<0.010	-	-	-	<0.020	-	<0.020	<0.020	nc	-	<0.020	-	-	-	-	<0.020
Xylenes, Total	mg/kg	60 ^A 60 ^B	-	<0.10	<0.050	-	-	-	<0.10	-	<0.10	<0.10	nc	-	<0.10	-	-	-	-	<0.10
PHC F1 (C6-C10 range) minus BTEX	mg/kg	n/v	-	<5.0	<2.5	-	-	-	<5.0	-	<5.0	<5.0	nc	-	<5.0	-	-	-	-	<5.0
PHC F2 (C10-C16 range)	mg/kg	n/v	-	<10	<10	-	-	-	<10	-	<10	<10	nc	-	<10	-	-	-	-	<10
>C16-C21 Hydrocarbons	mg/kg	n/v	-	<10	<10	-	-	-	<10	-	<10	<10	nc	-	<10	-	-	-	-	<10
>C21-C32 Hydrocarbons	mg/kg	n/v	-	<15	30	-	-	-	39	-	33	22	nc	-	<15	-	-	-	-	<15
Chromatogram to baseline at C32	none	n/v	-	NA	YES	-	-	-	YES	-	YES	YES	nc	-	NA	-	-	-	-	NA
Hydrocarbon Resemblance	none	n/v	-	NA	PF	-	-	-	PF	-	PF	PF	nc	-	NA	-	-	-	-	NA
Modified TPH (Tier 1)	mg/kg	2,000 ^{AB} / 10,000 ^{AB} / 10,000 ^{AB}	-	<15	30	-	-	-	39	-	33	22	nc	-	<15	-	-	-	-	<15

- Notes:**
- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
 - ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
 - ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
 - 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.
 - FL Unidentified compound(s) in fuel / lube range.
 - LO Lube oil fraction.
 - LR One product in fuel / lube range.
 - NA Not analyzed.
 - PF Possible lube oil fraction.
 - WF Weathered fuel oil fraction.
 - RPD Relative Percent Difference.
 - 61%** RPD exceeds data quality objective of 60%.
 - 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.

Table 2B
Summary of Soil Analytical Results – Link 11
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location Sample Date Sample ID Sampling Company Laboratory Laboratory Work Order Laboratory Sample ID Sample Type	Units	NSECC	TP24-LK09		TP24-LK10		TP24-LK11		TP24-LK12		TP24-LK13		TP24-LK14		TP24-LK15	
			1-May-24 TP24-LK09 SS1 STANTEC BV C4D0746 ZBD868	1-May-24 TP24-LK09 SS2 STANTEC BV C4D0746 ZBD869	1-May-24 TP24-LK10 SS1 STANTEC BV C4D0746 ZBD870	1-May-24 TP24-LK10 SS2 STANTEC BV C4D0746 ZBD871	1-May-24 TP24-LK11 SS1 STANTEC BV C4D0746 ZBD872	1-May-24 TP24-LK11 SS2 STANTEC BV C4D0746 ZBD873	1-May-24 TP24-LK12 SS1 STANTEC BV C4D0746 ZBD874	1-May-24 TP24-LK12 SS2 STANTEC BV C4D0746 ZBD875	1-May-24 TP24-LK13 SS1 STANTEC BV C4D0746 ZBD876	1-May-24 TP24-LK13 SS2 STANTEC BV C4D0746 ZBD877	1-May-24 TP24-LK14 SS1 STANTEC BV C4D0746 ZBD878	1-May-24 TP24-LK14 SS2 STANTEC BV C4D0746 ZBD879	1-May-24 TP24-LK-DUP1 SS1 STANTEC BV C4D0746 ZBD882 Field Duplicate	1-May-24 TP24-LK-DUP1 SS2 STANTEC BV C4D0746 ZBD883 Field Duplicate
Volatile Organic Compounds (VOCs)																
Bromodichloromethane	mg/kg	130 ^A 180 ^B	-	-	-	-	-	-	-	<0.030	-	-	-	-	-	-
Bromoform (Tribromomethane)	mg/kg	6.1 ^A 6.1 ^B	-	-	-	-	-	-	-	<0.050	-	-	-	-	-	-
Bromomethane (Methyl bromide)	mg/kg	0.0016 ^A 0.0016 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	mg/kg	0.0069 ^A 0.0069 ^B	-	-	-	-	-	-	-	<0.00050	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	mg/kg	0.22 ^A 0.22 ^B	-	-	-	-	-	-	-	<0.0050	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	mg/kg	n/v	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/kg	0.14 ^A 0.14 ^B	-	-	-	-	-	-	-	<0.010	-	-	-	-	-	-
Chloromethane	mg/kg	n/v	-	-	-	-	-	-	-	<0.030	-	-	-	-	-	-
Dibromochloromethane	mg/kg	2.5 ^A 2.5 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Dichlorobenzene, 1,2-	mg/kg	130 ^A 130 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Dichlorobenzene, 1,3-	mg/kg	420 ^A 4.400 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Dichlorobenzene, 1,4-	mg/kg	8 ^A 8 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Dichloroethane, 1,1-	mg/kg	56 ^A 56 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Dichloroethane, 1,2-	mg/kg	0.033 ^A 0.033 ^B	-	-	-	-	-	-	-	<0.0020	-	-	-	-	-	-
Dichloroethane, 1,1-	mg/kg	0.49 ^A 0.49 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Dichloroethane, cis-1,2-	mg/kg	0.24 ^A 0.24 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Dichloroethane, trans-1,2-	mg/kg	0.25 ^A 0.25 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Dichloropropane, 1,2-	mg/kg	0.16 ^A 0.16 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Dichloropropene, cis-1,3-	mg/kg	1.8 ^A 1.8 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Dichloropropene, trans-1,3-	mg/kg	1.8 ^A 1.8 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	mg/kg	0.015 ^A 0.015 ^B	-	-	-	-	-	-	-	<0.0020	-	-	-	-	-	-
Methyl Methacrylate	mg/kg	n/v	-	-	-	-	-	-	-	<0.040	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	mg/kg	0.57 ^A 0.57 ^B	-	-	-	-	-	-	-	<0.030	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	mg/kg	9.0 ^A 9 ^B	-	-	-	-	-	-	-	<0.030	-	-	-	-	-	-
Styrene	mg/kg	42 ^A 42 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	mg/kg	0.87 ^A 0.87 ^B	-	-	-	-	-	-	-	<0.050	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	mg/kg	0.19 ^A 0.19 ^B	-	-	-	-	-	-	-	<0.050	-	-	-	-	-	-
Tetrachloroethene (PCE)	mg/kg	0.2 ^A 0.2 ^B	-	-	-	-	-	-	-	<0.010	-	-	-	-	-	-
Trichlorobenzene, 1,2,3-	mg/kg	n/v	-	-	-	-	-	-	-	<0.040	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	mg/kg	n/v	-	-	-	-	-	-	-	<0.040	-	-	-	-	-	-
Trichlorobenzene, 1,3,5-	mg/kg	n/v	-	-	-	-	-	-	-	<0.040	-	-	-	-	-	-
Trichloroethane, 1,1,1-	mg/kg	6.1 ^A 6.1 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Trichloroethane, 1,1,2-	mg/kg	0.42 ^A 0.42 ^B	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Trichloroethene (TCE)	mg/kg	0.01 ^A 0.01 ^B	-	-	-	-	-	-	-	<0.0010	-	-	-	-	-	-
Trichlorofluoromethane (Freon 11)	mg/kg	n/v	-	-	-	-	-	-	-	<0.020	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	mg/kg	n/v	-	-	-	-	-	-	-	<0.50	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	mg/kg	n/v	-	-	-	-	-	-	-	<0.50	-	-	-	-	-	-
Vinyl Chloride	mg/kg	0.0079 ^A 0.016 ^B	-	-	-	-	-	-	-	<0.00030	-	-	-	-	-	-

- Notes:**
- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
 - ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
 - ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
 - 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.
 - FL Unidentified compound(s) in fuel / lube range.
 - LO Lube oil fraction.
 - LR One product in fuel / lube range.
 - NA Not analyzed.
 - PF Possible lube oil fraction.
 - WF Weathered fuel oil fraction.
 - RPD Relative Percent Difference.
 - 61%** RPD exceeds data quality objective of 60%.
 - 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.

Table 2B
Summary of Soil Analytical Results – Link 11
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location	Sample Date	Sample ID	Sampling Company	Laboratory	Laboratory Work Order	Laboratory Sample ID	Sample Type	Units	NSECC	TP24-LK09		TP24-LK10		TP24-LK11		TP24-LK12		TP24-LK13		TP24-LK14		TP24-LK15	
										1-May-24 TP24-LK09 SS1 STANTEC BV C4D0746 ZBD868	1-May-24 TP24-LK09 SS2 STANTEC BV C4D0746 ZBD869	1-May-24 TP24-LK10 SS1 STANTEC BV C4D0746 ZBD870	1-May-24 TP24-LK10 SS2 STANTEC BV C4D0746 ZBD871	1-May-24 TP24-LK11 SS1 STANTEC BV C4D0746 ZBD872	1-May-24 TP24-LK11 SS2 STANTEC BV C4D0746 ZBD873	1-May-24 TP24-LK12 SS1 STANTEC BV C4D0746 ZBD874	1-May-24 TP24-LK12 SS2 STANTEC BV C4D0746 ZBD875	1-May-24 TP24-LK13 SS1 STANTEC BV C4D0746 ZBD876	1-May-24 TP24-LK13 SS2 STANTEC BV C4D0746 ZBD877	1-May-24 TP24-LK14 SS1 STANTEC BV C4D0746 ZBD878	1-May-24 TP24-LK14 SS2 STANTEC BV C4D0746 ZBD879	1-May-24 TP24-LK-DUP1 SS1 STANTEC BV C4D0746 ZBD882 Field Duplicate	1-May-24 TP24-LK-DUP2 SS1 STANTEC BV C4D0746 ZBD883 Field Duplicate
Polycyclic Aromatic Hydrocarbons (PAHs)																							
Acenaphthene	mg/kg	8,000 ^A 43,000 ^B	<0.010	-	<0.010	-	-	<0.010	0.042	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Acenaphthylene	mg/kg	66 ^A 66 ^B	<0.010	-	<0.010	-	-	<0.010	<0.010	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Anthracene	mg/kg	37,000 ^A 300,000 ^B	<0.010	-	<0.010	-	-	<0.010	0.053	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Benzo(a)anthracene	mg/kg	n/v	<0.010	-	<0.010	-	-	<0.010	0.29	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Benzo(a)pyrene	mg/kg	n/v	<0.010	-	<0.010	-	-	<0.010	0.39	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Benzo(b)fluoranthene	mg/kg	n/v	<0.010	-	<0.010	-	-	<0.010	0.32	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Benzo(b)fluoranthene	mg/kg	n/v	<0.020	-	<0.020	-	-	<0.020	0.50	-	<0.020	-	-	-	-	-	<0.020	<0.020	nc	<0.020	-		
Benzo(g,h,i)perylene	mg/kg	n/v	<0.010	-	<0.010	-	-	<0.010	0.27	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Benzo(j)fluoranthene	mg/kg	n/v	<0.010	-	<0.010	-	-	<0.010	0.17	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Benzo(k)fluoranthene	mg/kg	n/v	<0.010	-	<0.010	-	-	<0.010	0.17	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Chrysene	mg/kg	n/v	<0.010	-	<0.010	-	-	<0.010	0.44	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Dibenzo(a,h)anthracene	mg/kg	n/v	<0.010	-	<0.010	-	-	<0.010	0.059	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Fluoranthene	mg/kg	5,300 ^A 50,000 ^B	<0.010	-	<0.010	-	-	<0.010	0.66	-	0.030	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Fluorene	mg/kg	4,100 ^A 39,000 ^B	<0.010	-	<0.010	-	-	<0.010	0.022	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Indeno(1,2,3-cd)pyrene	mg/kg	n/v	<0.010	-	<0.010	-	-	<0.010	0.20	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Methylnaphthalene, 1-	mg/kg	72 ^A 560 ^B	<0.010	-	<0.010	-	-	<0.010	<0.010	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Methylnaphthalene, 2-	mg/kg	72 ^A 560 ^B	<0.010	-	<0.010	-	-	<0.010	<0.010	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Naphthalene	mg/kg	25 ^A 25 ^B	<0.010	-	<0.010	-	-	<0.010	<0.010	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Perylene	mg/kg	n/v	<0.010	-	<0.010	-	-	<0.010	0.093	-	<0.010	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Phenanthrene	mg/kg	n/v	<0.010	-	<0.010	-	-	<0.010	0.41	-	0.013	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
Pyrene	mg/kg	3,200 ^A 30,000 ^B	<0.010	-	<0.010	-	-	<0.010	0.57	-	0.022	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		
B(a)P TPE	mg/kg	5.3 ^{AB}	<0.010	-	<0.010	-	-	<0.010	0.57	-	0.025	-	-	-	-	-	<0.010	<0.010	nc	<0.010	-		

- Notes:**
- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
 - ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
 - ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
 - 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.
 - FL Unidentified compound(s) in fuel / lube range.
 - LO Lube oil fraction.
 - LR One product in fuel / lube range.
 - NA Not analyzed.
 - PF Possible lube oil fraction.
 - WF Weathered fuel oil fraction.
 - RPD Relative Percent Difference.
 - 61%** RPD exceeds data quality objective of 60%.
 - 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.

Table 3A
Summary of Soil Analytical Results – Former Firing Range
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location			SS24-FR01	SS24-FR02	SS24-FR03	SS24-FR04	SS24-FR05	SS24-FR06	SS24-FR07	SS24-FR08	SS24-FR09	SS24-FR10		
Sample Date			2-May-24	2-May-24	2-May-24	2-May-24	2-May-24	2-May-24	2-May-24	2-May-24	2-May-24	2-May-24		
Sample ID			SS24-FR01	SS24-FR02	SS24-FR03	SS24-FR04	SS24-FR05	SS24-FR06	SS24-FR07	SS24-FR08	SS24-FR09	SS24-FR10		
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		
Laboratory			BV	BV	BV	BV	BV	BV	BV	BV	BV	BV		
Laboratory Work Order			C4D2061	C4D2061	C4D2061	C4D2061	C4D2061	C4D2061	C4D2061	C4D2061	C4D2061	C4D2061		
Laboratory Sample ID			ZBL178	ZBL179	ZBL180	ZBL181	ZBL182	ZBL183	ZBL184	ZBL185	ZBL186	ZBL187		
Sample Type	Units	CCME							Field Duplicate	RPD (%)				
Metals														
Aluminum	mg/kg	n/v	10,000	9,400	4,800	6,100	11,000	4,700	3,800	4,300	12%	5,800	7,600	5,300
Antimony	mg/kg	40 ^{PR} 40 ^Q 40 ^S	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0
Arsenic	mg/kg	12 ^{PR} 12 ^Q 12 ^S	7.5	4.6	4.3	4.2	3.9	3.6	4.5	4.8	nc	2.2	24 ^{PQRS}	3.9
Barium	mg/kg	2,000 ^{PR} 2,000 ^Q 2,000 ^S	63	25	15	16	29	28	15	22	nc	18	31	17
Beryllium	mg/kg	8 ^{PR} 8 ^Q 8 ^S	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0
Bismuth	mg/kg	n/v	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0
Boron	mg/kg	n/v	<50	<50	<50	<50	<50	<50	<50	<50	nc	<50	<50	<50
Cadmium	mg/kg	22 ^{PR} 22 ^Q 22 ^S	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	nc	<0.30	<0.30	<0.30
Chromium	mg/kg	87 ^{PR} 87 ^Q 87 ^S	16	15	7.6	9.2	16	6.7	6.2	6.4	nc	7.0	13	9.1
Cobalt	mg/kg	300 ^{PR} 300 ^Q 300 ^S	8.1	5.2	2.9	3.8	6.0	2.4	2.2	2.4	nc	2.5	3.7	3.8
Copper	mg/kg	91 ^{PR} 91 ^Q 91 ^S	25	13	5.9	7.6	5.7	3.9	9.8	14	nc	23	26	8.4
Iron	mg/kg	n/v	24,000	18,000	12,000	12,000	21,000	9,900	11,000	12,000	9%	5,600	23,000	11,000
Lead	mg/kg	260 ^P 260 ^Q 600 ^R 600 ^S	16	14	13	20	9.5	9.9	24	43	57%	50	170	18
Lithium	mg/kg	n/v	20	19	8.6	10	23	8.8	7.3	7.6	nc	7.1	13	12
Manganese	mg/kg	n/v	350	200	120	190	240	91	110	120	9%	140	160	140
Mercury	mg/kg	24 ^P 24 ^Q 50 ^R 50 ^S	<0.10	<0.10	<0.10	0.10	<0.10	<0.10	<0.10	<0.10	nc	0.11	0.10	<0.10
Molybdenum	mg/kg	40 ^{PR} 40 ^Q 40 ^S	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0
Nickel	mg/kg	89 ^{PR} 89 ^Q 89 ^S	17	14	7.6	8.4	16	6.4	5.6	7.0	nc	6.8	11	9.3
Rubidium	mg/kg	n/v	8.7	6.1	3.7	5.2	6.4	4.9	3.2	3.8	nc	6.9	6.3	3.9
Selenium	mg/kg	2.9 ^{PR} 2.9 ^Q 2.9 ^S	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	nc	<0.50	<0.50	<0.50
Silver	mg/kg	40 ^{PR} 40 ^Q 40 ^S	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	nc	<0.50	<0.50	<0.50
Strontium	mg/kg	n/v	6.7	5.2	<5.0	5.1	5.2	<5.0	<5.0	5.7	nc	7.5	8.2	6.2
Thallium	mg/kg	1 ^{PR} 1 ^Q 1 ^S	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	nc	<0.10	<0.10	<0.10
Tin	mg/kg	300 ^{PR} 300 ^Q 300 ^S	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	5.3	3.6
Uranium	mg/kg	33 ^P 33 ^Q 300 ^R 300 ^S	0.69	0.55	0.33	0.47	0.70	0.27	0.60	0.79	27%	0.54	0.65	0.33
Vanadium	mg/kg	130 ^{PR} 130 ^Q 130 ^S	19	17	11	13	17	13	12	15	22%	9.0	38	11
Zinc	mg/kg	410 ^{PR} 410 ^Q 410 ^S	42	37	100	22	37	20	34	42	21%	29	32	29

- Notes:**
- CCME Canadian Council of Ministers of the Environment
 - A Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Direct contact)
 - B Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
 - C Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 1 - Protection of potable water)
 - D Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Direct contact)
 - E Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Environmental health guidelines based on non-carcinogenic effects of PAHs)
 - F Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 1 - Protection of potable water)
 - G Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
 - H Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Environmental Health)
 - I Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
 - J Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for a Commercial land use (Table 2 - Soil Quality Guideline for Soil Contact)
 - K Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Interim/Provisional Soil Quality Criteria, CCME 1991)
 - L Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Environmental Health)
 - M Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Protection of freshwater life)
 - N Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil and food ingestion)
 - O Canadian Soil Quality Guideline for the Protection of Environmental and Human Health, PAH, 2008, revised 2010, for an Industrial land use (Table 2 - Soil Quality Guideline for Soil Contact)
 - P Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and coarse grained soil - soil leaching to potable groundwater
 - Q Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for commercial land use and fine grained soil - soil leaching to potable groundwater
 - R Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and coarse grained soil - soil leaching to potable groundwater
 - S Canadian Environmental Quality Guidelines, Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health, on-line summary table, for industrial land use and fine grained soil - soil leaching to potable groundwater
 - T Canada Wide Standards for PHC in Soil - Commercial - Coarse, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
 - U Canada Wide Standards for PHC in Soil - Commercial land use - Coarse-grained Surface Soil, Tier 1 (Revised Jan 2008, Table 3), lowest guideline
 - V Canada Wide Standards for PHC in Soil - Commercial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
 - W Canada Wide Standards for PHC in Soil - Commercial land use - Fine-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 2), lowest guideline
 - X Canada Wide Standards for PHC in Soil - Industrial - Coarse, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
 - Y Canada Wide Standards for PHC in Soil - Industrial land use - Coarse-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 3), lowest guideline
 - Z Canada Wide Standards for PHC in Soil - Industrial - Fine, Surface Soil - Protection of Potable Groundwater (Revised Jan 2008)
 - a Canada Wide Standards for PHC in Soil - Industrial land use - Fine-grained, Surface Soil, Tier 1 (Revised Jan 2008, Table 2), lowest guideline
 - 6.5⁺ 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.
 - RPD Relative Percent Difference.
 - 61% RPD exceeds data quality objective of 60%.
 - 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.

Table 3B
Summary of Soil Analytical Results – Former Firing Range
Defence Construction Canada
Land Based Testing Facility
Hartlen Point, Eastern Passage, Nova Scotia

Sample Location			SS24-FR01	SS24-FR02	SS24-FR03	SS24-FR04	SS24-FR05	SS24-FR06	SS24-FR07	SS24-FR08	SS24-FR09	SS24-FR10		
Sample Date			2-May-24	2-May-24	2-May-24	2-May-24	2-May-24	2-May-24	2-May-24	2-May-24	2-May-24	2-May-24		
Sample ID			SS24-FR01	SS24-FR02	SS24-FR03	SS24-FR04	SS24-FR05	SS24-FR06	SS24-FR07	SS24-FR DUP	SS24-FR08	SS24-FR09	SS24-FR10	
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		
Laboratory			BV	BV	BV	BV	BV	BV	BV	BV	BV	BV		
Laboratory Work Order			C4D2061	C4D2061	C4D2061	C4D2061	C4D2061	C4D2061	C4D2061	C4D2061	C4D2061	C4D2061		
Laboratory Sample ID			ZBL178	ZBL179	ZBL180	ZBL181	ZBL182	ZBL183	ZBL184	ZBL188	ZBL185	ZBL186	ZBL187	
Sample Type	Units	NSECC							Field Duplicate	RPD (%)				
Metals														
Aluminum	mg/kg	15,400 ^A 220,000 ^B	10,000	9,400	4,800	6,100	11,000	4,700	3,800	4,300	12%	5,800	7,600	5,300
Antimony	mg/kg	7.5 ^A 63 ^B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0
Arsenic	mg/kg	31 ^A 31 ^B	7.5	4.6	4.3	4.2	3.9	3.6	4.5	4.8	nc	2.2	24	3.9
Barium	mg/kg	10,000 ^A 96,000 ^B	63	25	15	16	29	28	15	22	nc	18	31	17
Beryllium	mg/kg	110 ^A 1,100 ^B	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0
Bismuth	mg/kg	n/v	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0
Boron	mg/kg	4,300 ^A 24,000 ^B	<50	<50	<50	<50	<50	<50	<50	<50	nc	<50	<50	<50
Cadmium	mg/kg	49 ^A 192 ^B	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	nc	<0.30	<0.30	<0.30
Chromium	mg/kg	630 ^A 2,300 ^B	16	15	7.6	9.2	16	6.7	6.2	6.4	nc	7.0	13	9.1
Cobalt	mg/kg	22 ^A 250 ^B	8.1	5.2	2.9	3.8	6.0	2.4	2.2	2.4	nc	2.5	3.7	3.8
Copper	mg/kg	4,000 ^A 16,000 ^B	25	13	5.9	7.6	5.7	3.9	9.8	14	nc	23	26	8.4
Iron	mg/kg	11,000 ^A 164,000 ^B	24,000^A	18,000^A	12,000^A	12,000^A	21,000^A	9,900	11,000	12,000^A	9%	5,600	23,000^A	11,000
Lead	mg/kg	260 ^A 740 ^B	16	14	13	20	9.5	9.9	24	43	57%	50	170	18
Lithium	mg/kg	n/v	20	19	8.6	10	23	8.8	7.3	7.6	nc	7.1	13	12
Manganese	mg/kg	360 ^A 5,200 ^B	350	200	120	190	240	91	110	120	9%	140	160	140
Mercury	mg/kg	24 ^A 99 ^B	<0.10	<0.10	<0.10	0.10	<0.10	<0.10	<0.10	<0.10	nc	0.11	0.10	<0.10
Molybdenum	mg/kg	110 ^A 1,200 ^B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0
Nickel	mg/kg	310 ^A 2,500 ^B	17	14	7.6	8.4	16	6.4	5.6	7.0	nc	6.8	11	9.3
Rubidium	mg/kg	n/v	8.7	6.1	3.7	5.2	6.4	4.9	3.2	3.8	nc	6.9	6.3	3.9
Selenium	mg/kg	125 ^A 1,135 ^B	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	nc	<0.50	<0.50	<0.50
Silver	mg/kg	77 ^A 490 ^B	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	nc	<0.50	<0.50	<0.50
Strontium	mg/kg	9,400 ^A 140,000 ^B	6.7	5.2	<5.0	5.1	5.2	<5.0	<5.0	5.7	nc	7.5	8.2	6.2
Thallium	mg/kg	1 ^A 1 ^B	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	nc	<0.10	<0.10	<0.10
Tin	mg/kg	9,400 ^A 140,000 ^B	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	5.3	3.6
Uranium	mg/kg	33 ^A 300 ^B	0.69	0.55	0.33	0.47	0.70	0.27	0.60	0.79	27%	0.54	0.65	0.33
Vanadium	mg/kg	39 ^A 160 ^B	19	17	11	13	17	13	12	15	22%	9.0	38	11
Zinc	mg/kg	16,000 ^A 140,000 ^B	42	37	100	22	37	20	34	42	21%	29	32	29

Notes:

- NSECC Nova Scotia Environment and Climate Change, Environmental Quality Standards for Soil
- ^A Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Commercial, Coarse Grained Soil (2022)
- ^B Table 1B Tier 1 Environmental Quality Standards for Soil at a Non-Potable Site - Industrial, Coarse Grained Soil (2022)
- 6.5^A** Concentration exceeds the indicated standard.
- 15.2 Measured concentration did not exceed the indicated 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.
- RPD Relative Percent Difference.
- 61%** RPD exceeds data quality objective of 60%.
- 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.

July 17, 2024

Page C-1

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

Attachment C Laboratory Reports



Your P.O. #: 133432095.248
 Your Project #: 133432095
 Site#: 00365957
 Site Location: 2400 SHORE RD, EASTERN PASSAGE
 Your C.O.C. #: N/A

Attention: Megan Kelly

Stantec Consulting Ltd
 40 Highfield Park Drive
 Suite 102
 Dartmouth, NS
 CANADA B3A 0A3

Report Date: 2024/05/14
 Report #: R8148195
 Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4C8448

Received: 2024/04/30, 16:18

Sample Matrix: Soil
 # Samples Received: 13

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Benzo(b/j)fluoranthene Sum (soil)	6	N/A	2024/05/07	N/A	Auto Calc.
TEH in Soil (PIRI) (2)	1	2024/05/10	2024/05/11	ATL SOP 00111	Atl. RBCA v3.1 m
TEH in Soil (PIRI) (2)	6	2024/05/06	2024/05/06	ATL SOP 00111	Atl. RBCA v3.1 m
Petroleum Hydrocarbons F2-F4 in Soil (1, 3)	1	2024/05/12	2024/05/12	CAM SOP-00316	CCME CWS m
Petroleum Hydrocarbons F2-F4 in Soil (1, 3)	4	2024/05/03	2024/05/03	CAM SOP-00316	CCME CWS m
Petroleum Hydrocarbons F2-F4 in Soil (1, 3)	2	2024/05/07	2024/05/08	CAM SOP-00316	CCME CWS m
Metals Solids Acid Extr. ICPMS	7	2024/05/06	2024/05/07	ATL SOP 00058	EPA 6020B R2 m
Moisture	6	N/A	2024/05/06	ATL SOP 00001	OMOE Handbook 1983 m
Moisture (1)	1	N/A	2024/05/11	CAM SOP-00445	Carter 2nd ed 70.2 m
Moisture (1)	4	N/A	2024/05/02	CAM SOP-00445	Carter 2nd ed 70.2 m
PAH Compounds by GCMS (SIM) (2)	6	2024/05/06	2024/05/06	ATL SOP 00102	EPA 8270E R6 m
ModTPH (T1) Calc. for Soil	1	N/A	2024/05/14	N/A	Atl. RBCA v3.1 m
ModTPH (T1) Calc. for Soil	6	N/A	2024/05/09	N/A	Atl. RBCA v3.1 m
Volatile Organic Compounds and F1 PHCs (1)	6	N/A	2024/05/02	CAM SOP-00230	EPA 8260C m
Volatile Organic Compounds and F1 PHCs (1)	1	N/A	2024/05/03	CAM SOP-00230	EPA 8260C m
VPH in Soil (PIRI) - Field Preserved (4)	6	N/A	2024/05/03	ATL SOP 00119	Atl. RBCA v3.1 m
VPH in Soil (PIRI) - Field Preserved (4)	1	N/A	2024/05/09	ATL SOP 00119	Atl. RBCA v3.1 m

Remarks:

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

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

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.



Your P.O. #: 133432095.248
Your Project #: 133432095
Site#: 00365957
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your C.O.C. #: N/A

Attention: Megan Kelly

Stantec Consulting Ltd
40 Highfield Park Drive
Suite 102
Dartmouth, NS
CANADA B3A 0A3

Report Date: 2024/05/14
Report #: R8148195
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4C8448

Received: 2024/04/30, 16:18

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

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

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

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

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

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

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

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

(4) No lab extraction date is given for C6-C10/BTEX and VOC samples that are field preserved with methanol. Extraction date is date sampled unless otherwise stated.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:

Marie Muise, Key Account Specialist
Email: Marie.MUISE@bureauveritas.com
Phone# (902)420-0203 Ext:253

=====

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 Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZAQ947		ZAQ949	ZAQ949	ZAQ951		
Sampling Date		2024/04/30		2024/04/30	2024/04/30	2024/04/30		
	UNITS	TP24-MS01 SS2	QC Batch	TP24-MS02 SS2	TP24-MS02 SS2 Lab-Dup	TP24-MS05 SS2	RDL	QC Batch
Petroleum Hydrocarbons								
Benzene	mg/kg	<0.0050	9372209	<0.0050	<0.0050	<0.0050	0.0050	9372209
Toluene	mg/kg	<0.050	9372209	<0.050	<0.050	<0.050	0.050	9372209
Ethylbenzene	mg/kg	<0.010	9372209	<0.010	<0.010	<0.010	0.010	9372209
Total Xylenes	mg/kg	<0.050	9372209	<0.050	<0.050	<0.050	0.050	9372209
C6 - C10 (less BTEX)	mg/kg	<2.5	9372209	<2.5	<2.5	<2.5	2.5	9372209
>C10-C16 Hydrocarbons	mg/kg	<10	9386271	<10	N/A	<10	10	9374856
>C16-C21 Hydrocarbons	mg/kg	<10	9386271	<10	N/A	<10	10	9374856
>C21-<C32 Hydrocarbons	mg/kg	<15	9386271	<15	N/A	<15	15	9374856
Modified TPH (Tier1)	mg/kg	<15	9371579	<15	N/A	<15	15	9371579
Reached Baseline at C32	mg/kg	NA	9386271	NA	N/A	NA	N/A	9374856
Hydrocarbon Resemblance	mg/kg	NA	9386271	NA	N/A	NA	N/A	9374856
Surrogate Recovery (%)								
Isobutylbenzene - Extractable	%	109	9386271	99	N/A	100	N/A	9374856
n-Dotriacontane - Extractable	%	112	9386271	102	N/A	102	N/A	9374856
Isobutylbenzene - Volatile	%	97	9372209	109	114	109	N/A	9372209
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZAQ953	ZAQ953	ZAQ955		ZAQ957		
Sampling Date		2024/04/30	2024/04/30	2024/04/30		2024/04/30		
	UNITS	TP24-MS06 SS2	TP24-MS06 SS2 Lab-Dup	TP24-MS17 SS2	RDL	TP24-MS26 SS1	RDL	QC Batch

Petroleum Hydrocarbons								
Benzene	mg/kg	<0.0050	N/A	<0.0050	0.0050	<0.010	0.010	9372209
Toluene	mg/kg	<0.050	N/A	<0.050	0.050	<0.10	0.10	9372209
Ethylbenzene	mg/kg	<0.010	N/A	<0.010	0.010	<0.020	0.020	9372209
Total Xylenes	mg/kg	<0.050	N/A	<0.050	0.050	<0.10	0.10	9372209
C6 - C10 (less BTEX)	mg/kg	<2.5	N/A	<2.5	2.5	<5.0	5.0	9372209
>C10-C16 Hydrocarbons	mg/kg	<10	<10	<10	10	<10	10	9374856
>C16-C21 Hydrocarbons	mg/kg	<10	<10	<10	10	<10	10	9374856
>C21-<C32 Hydrocarbons	mg/kg	<15	<15	<15	15	<15	15	9374856
Modified TPH (Tier1)	mg/kg	<15	N/A	<15	15	<15	15	9371579
Reached Baseline at C32	mg/kg	NA	N/A	NA	N/A	NA	N/A	9374856
Hydrocarbon Resemblance	mg/kg	NA	N/A	NA	N/A	NA	N/A	9374856
Surrogate Recovery (%)								
Isobutylbenzene - Extractable	%	94	99	103	N/A	100	N/A	9374856
n-Dotriacontane - Extractable	%	98	100	106	N/A	104	N/A	9374856
Isobutylbenzene - Volatile	%	105	N/A	103	N/A	114 (1)	N/A	9372209

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable
 (1) Elevated VPH RDL(s) due to limited sample.



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZAQ958		
Sampling Date		2024/04/30		
	UNITS	TP24-MS DUP5 SS1	RDL	QC Batch
Petroleum Hydrocarbons				
Benzene	mg/kg	<0.0050	0.0050	9372209
Toluene	mg/kg	<0.050	0.050	9372209
Ethylbenzene	mg/kg	<0.010	0.010	9372209
Total Xylenes	mg/kg	<0.050	0.050	9372209
C6 - C10 (less BTEX)	mg/kg	<2.5	2.5	9372209
>C10-C16 Hydrocarbons	mg/kg	<10	10	9374856
>C16-C21 Hydrocarbons	mg/kg	<10	10	9374856
>C21-<C32 Hydrocarbons	mg/kg	<15	15	9374856
Modified TPH (Tier1)	mg/kg	<15	15	9371579
Reached Baseline at C32	mg/kg	NA	N/A	9374856
Hydrocarbon Resemblance	mg/kg	NA	N/A	9374856
Surrogate Recovery (%)				
Isobutylbenzene - Extractable	%	96	N/A	9374856
n-Dotriacontane - Extractable	%	98	N/A	9374856
Isobutylbenzene - Volatile	%	113	N/A	9372209
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable				



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

Bureau Veritas ID		ZAQ947		ZAQ949		ZAQ951	ZAQ953		
Sampling Date		2024/04/30		2024/04/30		2024/04/30	2024/04/30		
	UNITS	TP24-MS01 SS2	QC Batch	TP24-MS02 SS2	QC Batch	TP24-MS05 SS2	TP24-MS06 SS2	RDL	QC Batch
Volatile Organics									
Benzene	ug/g	<0.0060	9369803	<0.0060	9369803	<0.0060	<0.0060	0.0060	9369803
Ethylbenzene	ug/g	<0.010	9369803	<0.010	9369803	<0.010	<0.010	0.010	9369803
Toluene	ug/g	<0.020	9369803	<0.020	9369803	<0.020	<0.020	0.020	9369803
p+m-Xylene	ug/g	<0.020	9369803	<0.020	9369803	<0.020	<0.020	0.020	9369803
o-Xylene	ug/g	<0.020	9369803	<0.020	9369803	<0.020	<0.020	0.020	9369803
Total Xylenes	ug/g	<0.020	9369803	<0.020	9369803	<0.020	<0.020	0.020	9369803
F1 (C6-C10)	ug/g	<10	9369803	<10	9369803	<10	<10	10	9369803
F1 (C6-C10) - BTEX	ug/g	<10	9369803	<10	9369803	<10	<10	10	9369803
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/g	<10	9388477	<10	9379459	<10	<10	10	9371365
F3 (C16-C34 Hydrocarbons)	ug/g	<50	9388477	<50	9379459	<50	<50	50	9371365
F4 (C34-C50 Hydrocarbons)	ug/g	<50	9388477	<50	9379459	<50	<50	50	9371365
Reached Baseline at C50	ug/g	Yes	9388477	Yes	9379459	Yes	Yes	N/A	9371365
Surrogate Recovery (%)									
o-Terphenyl	%	88	9388477	97	9379459	99	93	N/A	9371365
4-Bromofluorobenzene	%	100	9369803	99	9369803	100	100	N/A	9369803
D10-o-Xylene	%	88	9369803	87	9369803	91	92	N/A	9369803
D4-1,2-Dichloroethane	%	94	9369803	95	9369803	97	97	N/A	9369803
D8-Toluene	%	90	9369803	90	9369803	90	90	N/A	9369803
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable									



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

Bureau Veritas ID		ZAQ955		ZAQ957		ZAQ958		
Sampling Date		2024/04/30		2024/04/30		2024/04/30		
	UNITS	TP24-MS17 SS2	QC Batch	TP24-MS26 SS1	QC Batch	TP24-MS DUP5 SS1	RDL	QC Batch
Volatile Organics								
Benzene	ug/g	<0.0060	9369803	<0.0060	9369803	<0.0060	0.0060	9370393
Ethylbenzene	ug/g	<0.010	9369803	<0.010	9369803	<0.010	0.010	9370393
Toluene	ug/g	<0.020	9369803	<0.020	9369803	<0.020	0.020	9370393
p+m-Xylene	ug/g	<0.020	9369803	<0.020	9369803	<0.020	0.020	9370393
o-Xylene	ug/g	<0.020	9369803	<0.020	9369803	<0.020	0.020	9370393
Total Xylenes	ug/g	<0.020	9369803	<0.020	9369803	<0.020	0.020	9370393
F1 (C6-C10)	ug/g	<10	9369803	<10	9369803	<10	10	9370393
F1 (C6-C10) - BTEX	ug/g	<10	9369803	<10	9369803	<10	10	9370393
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/g	<10	9371365	<10	9379459	<10	10	9371365
F3 (C16-C34 Hydrocarbons)	ug/g	<50	9371365	<50	9379459	<50	50	9371365
F4 (C34-C50 Hydrocarbons)	ug/g	<50	9371365	<50	9379459	<50	50	9371365
Reached Baseline at C50	ug/g	Yes	9371365	Yes	9379459	Yes	N/A	9371365
Surrogate Recovery (%)								
o-Terphenyl	%	98	9371365	100	9379459	97	N/A	9371365
4-Bromofluorobenzene	%	99	9369803	99	9369803	91	N/A	9370393
D10-o-Xylene	%	91	9369803	89	9369803	89	N/A	9370393
D4-1,2-Dichloroethane	%	98	9369803	100	9369803	105	N/A	9370393
D8-Toluene	%	90	9369803	90	9369803	94	N/A	9370393
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZAQ946	ZAQ947	ZAQ949	ZAQ949	ZAQ950		
Sampling Date		2024/04/30	2024/04/30	2024/04/30	2024/04/30	2024/04/30		
	UNITS	TP24-MS01 SS1	TP24-MS01 SS2	TP24-MS02 SS2	TP24-MS02 SS2 Lab-Dup	TP24-MS05 SS1	RDL	QC Batch

Inorganics								
Moisture	%	N/A	12	N/A	N/A	N/A	1.0	9388149
Moisture	%	23	N/A	10	12	22	1.0	9372166
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable								

Bureau Veritas ID		ZAQ951	ZAQ952	ZAQ953	ZAQ954	ZAQ955		
Sampling Date		2024/04/30	2024/04/30	2024/04/30	2024/04/30	2024/04/30		
	UNITS	TP24-MS05 SS2	TP24-MS06 SS1	TP24-MS06 SS2	TP24-MS17 SS1	TP24-MS17 SS2	RDL	QC Batch

Inorganics								
Moisture	%	13	N/A	13	N/A	12	1.0	9369766
Moisture	%	N/A	24	N/A	18	N/A	1.0	9372166
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								

Bureau Veritas ID		ZAQ957	ZAQ958		
Sampling Date		2024/04/30	2024/04/30		
	UNITS	TP24-MS26 SS1	TP24-MS DUP5 SS1	RDL	QC Batch
Inorganics					
Moisture	%	N/A	11	1.0	9369766
Moisture	%	11	N/A	1.0	9372166
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable					



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ZAQ946	ZAQ948	ZAQ950	ZAQ950	ZAQ952		
Sampling Date		2024/04/30	2024/04/30	2024/04/30	2024/04/30	2024/04/30		
	UNITS	TP24-MS01 SS1	TP24-MS02 SS1	TP24-MS05 SS1	TP24-MS05 SS1 Lab-Dup	TP24-MS06 SS1	RDL	QC Batch

Metals								
Acid Extractable Aluminum (Al)	mg/kg	9900	12000	8200	8500	4000	10	9375094
Acid Extractable Antimony (Sb)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9375094
Acid Extractable Arsenic (As)	mg/kg	6.8	9.0	5.2	5.0	2.7	2.0	9375094
Acid Extractable Barium (Ba)	mg/kg	19	19	20	20	10	5.0	9375094
Acid Extractable Beryllium (Be)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9375094
Acid Extractable Bismuth (Bi)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9375094
Acid Extractable Boron (B)	mg/kg	<50	<50	<50	<50	<50	50	9375094
Acid Extractable Cadmium (Cd)	mg/kg	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	9375094
Acid Extractable Chromium (Cr)	mg/kg	14	17	11	11	4.9	2.0	9375094
Acid Extractable Cobalt (Co)	mg/kg	3.7	5.6	3.4	3.3	1.5	1.0	9375094
Acid Extractable Copper (Cu)	mg/kg	5.6	5.9	7.0	7.0	2.8	2.0	9375094
Acid Extractable Iron (Fe)	mg/kg	27000	33000	14000	14000	6100	50	9375094
Acid Extractable Lead (Pb)	mg/kg	9.4	17	13	13	6.9	0.50	9375094
Acid Extractable Lithium (Li)	mg/kg	11	17	11	10	4.0	2.0	9375094
Acid Extractable Manganese (Mn)	mg/kg	160	270	160	150	80	2.0	9375094
Acid Extractable Mercury (Hg)	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	9375094
Acid Extractable Molybdenum (Mo)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9375094
Acid Extractable Nickel (Ni)	mg/kg	10	11	8.4	8.7	3.8	2.0	9375094
Acid Extractable Rubidium (Rb)	mg/kg	11	12	6.6	6.8	4.3	2.0	9375094
Acid Extractable Selenium (Se)	mg/kg	<0.50	1.2	<0.50	<0.50	<0.50	0.50	9375094
Acid Extractable Silver (Ag)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9375094
Acid Extractable Strontium (Sr)	mg/kg	<5.0	<5.0	<5.0	5.0	<5.0	5.0	9375094
Acid Extractable Thallium (Tl)	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	9375094
Acid Extractable Tin (Sn)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9375094
Acid Extractable Uranium (U)	mg/kg	0.37	0.53	0.44	0.44	0.24	0.10	9375094
Acid Extractable Vanadium (V)	mg/kg	26	29	17	17	10	2.0	9375094
Acid Extractable Zinc (Zn)	mg/kg	32	24	18	19	7.0	5.0	9375094

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



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ZAQ954	ZAQ956	ZAQ957		
Sampling Date		2024/04/30	2024/04/30	2024/04/30		
	UNITS	TP24-MS17 SS1	TP24-MS25 SS1	TP24-MS26 SS1	RDL	QC Batch
Metals						
Acid Extractable Aluminum (Al)	mg/kg	6800	14000	12000	10	9375094
Acid Extractable Antimony (Sb)	mg/kg	<2.0	<2.0	<2.0	2.0	9375094
Acid Extractable Arsenic (As)	mg/kg	4.4	8.4	12	2.0	9375094
Acid Extractable Barium (Ba)	mg/kg	12	120	86	5.0	9375094
Acid Extractable Beryllium (Be)	mg/kg	<1.0	<1.0	<1.0	1.0	9375094
Acid Extractable Bismuth (Bi)	mg/kg	<2.0	<2.0	<2.0	2.0	9375094
Acid Extractable Boron (B)	mg/kg	<50	<50	<50	50	9375094
Acid Extractable Cadmium (Cd)	mg/kg	<0.30	<0.30	<0.30	0.30	9375094
Acid Extractable Chromium (Cr)	mg/kg	9.6	22	19	2.0	9375094
Acid Extractable Cobalt (Co)	mg/kg	2.8	14	10	1.0	9375094
Acid Extractable Copper (Cu)	mg/kg	4.2	20	18	2.0	9375094
Acid Extractable Iron (Fe)	mg/kg	17000	29000	26000	50	9375094
Acid Extractable Lead (Pb)	mg/kg	7.8	13	13	0.50	9375094
Acid Extractable Lithium (Li)	mg/kg	8.5	25	22	2.0	9375094
Acid Extractable Manganese (Mn)	mg/kg	120	960	620	2.0	9375094
Acid Extractable Mercury (Hg)	mg/kg	<0.10	<0.10	<0.10	0.10	9375094
Acid Extractable Molybdenum (Mo)	mg/kg	<2.0	<2.0	<2.0	2.0	9375094
Acid Extractable Nickel (Ni)	mg/kg	7.4	28	21	2.0	9375094
Acid Extractable Rubidium (Rb)	mg/kg	6.5	11	9.7	2.0	9375094
Acid Extractable Selenium (Se)	mg/kg	<0.50	<0.50	<0.50	0.50	9375094
Acid Extractable Silver (Ag)	mg/kg	<0.50	<0.50	<0.50	0.50	9375094
Acid Extractable Strontium (Sr)	mg/kg	<5.0	9.8	9.1	5.0	9375094
Acid Extractable Thallium (Tl)	mg/kg	<0.10	<0.10	<0.10	0.10	9375094
Acid Extractable Tin (Sn)	mg/kg	<1.0	<1.0	<1.0	1.0	9375094
Acid Extractable Uranium (U)	mg/kg	0.32	0.66	0.73	0.10	9375094
Acid Extractable Vanadium (V)	mg/kg	16	23	21	2.0	9375094
Acid Extractable Zinc (Zn)	mg/kg	15	58	48	5.0	9375094
RDL = Reportable Detection Limit						
QC Batch = Quality Control Batch						



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Bureau Veritas ID		ZAQ946	ZAQ949		ZAQ950		ZAQ952		
Sampling Date		2024/04/30	2024/04/30		2024/04/30		2024/04/30		
	UNITS	TP24-MS01 SS1	TP24-MS02 SS2	RDL	TP24-MS05 SS1	RDL	TP24-MS06 SS1	RDL	QC Batch
Polyaromatic Hydrocarbons									
1-Methylnaphthalene	mg/kg	<0.010	<0.010	0.010	<0.010	0.010	<0.010	0.010	9375008
2-Methylnaphthalene	mg/kg	<0.010	<0.010	0.010	<0.010	0.010	<0.010	0.010	9375008
Acenaphthene	mg/kg	<0.010	<0.010	0.010	<0.010	0.010	<0.010	0.010	9375008
Acenaphthylene	mg/kg	<0.010	<0.010	0.010	<0.010	0.010	<0.010	0.010	9375008
Anthracene	mg/kg	<0.010	<0.010	0.010	0.013	0.010	<0.010	0.010	9375008
Benzo(a)anthracene	mg/kg	<0.010	<0.010	0.010	0.084	0.010	<0.010	0.010	9375008
Benzo(a)pyrene	mg/kg	<0.010	<0.010	0.010	<0.070 (1)	0.070	<0.010	0.010	9375008
Benzo(b)fluoranthene	mg/kg	<0.010	<0.010	0.010	0.061	0.010	<0.010	0.010	9375008
Benzo(b,j)fluoranthene	mg/kg	<0.020	<0.020	0.020	0.096	0.020	<0.020	0.020	9364441
Benzo(g,h,i)perylene	mg/kg	<0.010	<0.010	0.010	0.040	0.010	<0.010	0.010	9375008
Benzo(j)fluoranthene	mg/kg	<0.010	<0.010	0.010	0.036	0.010	<0.010	0.010	9375008
Benzo(k)fluoranthene	mg/kg	<0.010	<0.010	0.010	0.037	0.010	<0.010	0.010	9375008
Chrysene	mg/kg	<0.010	<0.010	0.010	0.11	0.010	<0.010	0.010	9375008
Dibenzo(a,h)anthracene	mg/kg	<0.010	<0.010	0.010	<0.010	0.010	<0.010	0.010	9375008
Fluoranthene	mg/kg	<0.010	<0.010	0.010	0.15	0.010	<0.010	0.010	9375008
Fluorene	mg/kg	<0.010	<0.010	0.010	<0.010	0.010	<0.010	0.010	9375008
Indeno(1,2,3-cd)pyrene	mg/kg	<0.010	<0.010	0.010	0.035	0.010	<0.010	0.010	9375008
Naphthalene	mg/kg	<0.010	<0.010	0.010	<0.010	0.010	<0.010	0.010	9375008
Perylene	mg/kg	<0.010	<0.010	0.010	0.016	0.010	<0.010	0.010	9375008
Phenanthrene	mg/kg	<0.010	<0.010	0.010	0.016	0.010	<0.010	0.010	9375008
Pyrene	mg/kg	<0.010	<0.010	0.010	0.14	0.010	<0.010	0.010	9375008
Surrogate Recovery (%)									
D10-Anthracene	%	91	89	N/A	87	N/A	94	N/A	9375008
D14-Terphenyl (FS)	%	91	92	N/A	89	N/A	99	N/A	9375008
D8-Acenaphthylene	%	89	87	N/A	84	N/A	87	N/A	9375008
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Elevated PAH RDL(s) due to matrix / co-extractive interference.									



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Bureau Veritas ID		ZAQ954	ZAQ957		
Sampling Date		2024/04/30	2024/04/30		
	UNITS	TP24-MS17 SS1	TP24-MS26 SS1	RDL	QC Batch
Polyaromatic Hydrocarbons					
1-Methylnaphthalene	mg/kg	<0.010	<0.010	0.010	9375008
2-Methylnaphthalene	mg/kg	<0.010	<0.010	0.010	9375008
Acenaphthene	mg/kg	<0.010	<0.010	0.010	9375008
Acenaphthylene	mg/kg	<0.010	<0.010	0.010	9375008
Anthracene	mg/kg	<0.010	<0.010	0.010	9375008
Benzo(a)anthracene	mg/kg	<0.010	<0.010	0.010	9375008
Benzo(a)pyrene	mg/kg	<0.010	<0.010	0.010	9375008
Benzo(b)fluoranthene	mg/kg	<0.010	<0.010	0.010	9375008
Benzo(b,j)fluoranthene	mg/kg	<0.020	<0.020	0.020	9364441
Benzo(g,h,i)perylene	mg/kg	<0.010	<0.010	0.010	9375008
Benzo(j)fluoranthene	mg/kg	<0.010	<0.010	0.010	9375008
Benzo(k)fluoranthene	mg/kg	<0.010	<0.010	0.010	9375008
Chrysene	mg/kg	<0.010	<0.010	0.010	9375008
Dibenzo(a,h)anthracene	mg/kg	<0.010	<0.010	0.010	9375008
Fluoranthene	mg/kg	<0.010	<0.010	0.010	9375008
Fluorene	mg/kg	<0.010	<0.010	0.010	9375008
Indeno(1,2,3-cd)pyrene	mg/kg	<0.010	<0.010	0.010	9375008
Naphthalene	mg/kg	<0.010	<0.010	0.010	9375008
Perylene	mg/kg	<0.010	<0.010	0.010	9375008
Phenanthrene	mg/kg	<0.010	<0.010	0.010	9375008
Pyrene	mg/kg	<0.010	<0.010	0.010	9375008
Surrogate Recovery (%)					
D10-Anthracene	%	90	93	N/A	9375008
D14-Terphenyl (FS)	%	93	94	N/A	9375008
D8-Acenaphthylene	%	88	90	N/A	9375008
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable					



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZAQ946
Sample ID: TP24-MS01 SS1
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9364441	N/A	2024/05/07	Automated Statchk
Metals Solids Acid Extr. ICPMS	ICP/MS	9375094	2024/05/06	2024/05/07	Morgan Schnare
Moisture	BAL	9372166	N/A	2024/05/06	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9375008	2024/05/06	2024/05/06	Sharmin Akter

Bureau Veritas ID: ZAQ947
Sample ID: TP24-MS01 SS2
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9386271	2024/05/10	2024/05/11	Amanda Bryan
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9388477	2024/05/12	2024/05/12	Mohammed Abdul Nafay Shoeb
Moisture	BAL	9388149	N/A	2024/05/11	Muhammad Chhaidan
ModTPH (T1) Calc. for Soil	CALC	9371579	N/A	2024/05/14	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9369803	N/A	2024/05/02	Anna Gabrielyan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9372209	N/A	2024/05/03	Abhinand Mohanakumaran Nair Sreekala

Bureau Veritas ID: ZAQ948
Sample ID: TP24-MS02 SS1
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9375094	2024/05/06	2024/05/07	Morgan Schnare

Bureau Veritas ID: ZAQ949
Sample ID: TP24-MS02 SS2
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9364441	N/A	2024/05/07	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9374856	2024/05/06	2024/05/06	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9379459	2024/05/07	2024/05/08	Mohammed Abdul Nafay Shoeb
Moisture	BAL	9372166	N/A	2024/05/06	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9375008	2024/05/06	2024/05/06	Sharmin Akter
ModTPH (T1) Calc. for Soil	CALC	9371579	N/A	2024/05/09	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9369803	N/A	2024/05/02	Anna Gabrielyan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9372209	N/A	2024/05/09	Abhinand Mohanakumaran Nair Sreekala

Bureau Veritas ID: ZAQ949 Dup
Sample ID: TP24-MS02 SS2
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	9372166	N/A	2024/05/06	Rajdeep Dev
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9372209	N/A	2024/05/09	Abhinand Mohanakumaran Nair Sreekala



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZAQ950
Sample ID: TP24-MS05 SS1
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9364441	N/A	2024/05/07	Automated Statchk
Metals Solids Acid Extr. ICPMS	ICP/MS	9375094	2024/05/06	2024/05/07	Morgan Schnare
Moisture	BAL	9372166	N/A	2024/05/06	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9375008	2024/05/06	2024/05/06	Sharmin Akter

Bureau Veritas ID: ZAQ950 Dup
Sample ID: TP24-MS05 SS1
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9375094	2024/05/06	2024/05/07	Morgan Schnare

Bureau Veritas ID: ZAQ951
Sample ID: TP24-MS05 SS2
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9374856	2024/05/06	2024/05/06	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9371365	2024/05/03	2024/05/03	Agnieszka Brzuzy-Snopko
Moisture	BAL	9369766	N/A	2024/05/02	Frances Gacayan
ModTPH (T1) Calc. for Soil	CALC	9371579	N/A	2024/05/09	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9369803	N/A	2024/05/02	Anna Gabrielyan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9372209	N/A	2024/05/03	Abhinand Mohanakumaran Nair Sreekala

Bureau Veritas ID: ZAQ952
Sample ID: TP24-MS06 SS1
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9364441	N/A	2024/05/07	Automated Statchk
Metals Solids Acid Extr. ICPMS	ICP/MS	9375094	2024/05/06	2024/05/07	Morgan Schnare
Moisture	BAL	9372166	N/A	2024/05/06	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9375008	2024/05/06	2024/05/06	Sharmin Akter

Bureau Veritas ID: ZAQ953
Sample ID: TP24-MS06 SS2
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9374856	2024/05/06	2024/05/06	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9371365	2024/05/03	2024/05/03	Agnieszka Brzuzy-Snopko
Moisture	BAL	9369766	N/A	2024/05/02	Frances Gacayan
ModTPH (T1) Calc. for Soil	CALC	9371579	N/A	2024/05/09	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9369803	N/A	2024/05/02	Anna Gabrielyan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9372209	N/A	2024/05/03	Abhinand Mohanakumaran Nair Sreekala



TEST SUMMARY

Bureau Veritas ID: ZAQ953 Dup
Sample ID: TP24-MS06 SS2
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9374856	2024/05/06	2024/05/06	Marley Gidney

Bureau Veritas ID: ZAQ954
Sample ID: TP24-MS17 SS1
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9364441	N/A	2024/05/07	Automated Statchk
Metals Solids Acid Extr. ICPMS	ICP/MS	9375094	2024/05/06	2024/05/07	Morgan Schnare
Moisture	BAL	9372166	N/A	2024/05/06	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9375008	2024/05/06	2024/05/06	Sharmin Akter

Bureau Veritas ID: ZAQ955
Sample ID: TP24-MS17 SS2
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9374856	2024/05/06	2024/05/06	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9371365	2024/05/03	2024/05/03	Agnieszka Brzuzy-Snopko
Moisture	BAL	9369766	N/A	2024/05/02	Frances Gacayan
ModTPH (T1) Calc. for Soil	CALC	9371579	N/A	2024/05/09	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9369803	N/A	2024/05/02	Anna Gabrielyan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9372209	N/A	2024/05/03	Abhinand Mohanakumaran Nair Sreekala

Bureau Veritas ID: ZAQ956
Sample ID: TP24-MS25 SS1
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9375094	2024/05/06	2024/05/07	Morgan Schnare

Bureau Veritas ID: ZAQ957
Sample ID: TP24-MS26 SS1
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9364441	N/A	2024/05/07	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9374856	2024/05/06	2024/05/06	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9379459	2024/05/07	2024/05/08	Mohammed Abdul Nafay Shoeb
Metals Solids Acid Extr. ICPMS	ICP/MS	9375094	2024/05/06	2024/05/07	Morgan Schnare
Moisture	BAL	9372166	N/A	2024/05/06	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9375008	2024/05/06	2024/05/06	Sharmin Akter
ModTPH (T1) Calc. for Soil	CALC	9371579	N/A	2024/05/09	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9369803	N/A	2024/05/02	Anna Gabrielyan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9372209	N/A	2024/05/03	Abhinand Mohanakumaran Nair Sreekala



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZAQ958
Sample ID: TP24-MS DUP5 SS1
Matrix: Soil

Collected: 2024/04/30
Shipped:
Received: 2024/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9374856	2024/05/06	2024/05/06	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9371365	2024/05/03	2024/05/03	Agnieszka Brzuzy-Snopko
Moisture	BAL	9369766	N/A	2024/05/02	Frances Gacayan
ModTPH (T1) Calc. for Soil	CALC	9371579	N/A	2024/05/09	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9370393	N/A	2024/05/03	Denis Reid
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9372209	N/A	2024/05/03	Abhinand Mohanakumaran Nair Sreekala



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

GENERAL COMMENTS

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

Package 1	4.0°C
-----------	-------

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448

Report Date: 2024/05/14

QUALITY ASSURANCE REPORT

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE RD, EASTERN PASSAGE

Your P.O. #: 133432095.248

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9369803	4-Bromofluorobenzene	2024/05/02	100	60 - 140	99	60 - 140	98	%		
9369803	D10-o-Xylene	2024/05/02	105	60 - 130	104	60 - 130	83	%		
9369803	D4-1,2-Dichloroethane	2024/05/02	100	60 - 140	97	60 - 140	102	%		
9369803	D8-Toluene	2024/05/02	104	60 - 140	104	60 - 140	89	%		
9370393	4-Bromofluorobenzene	2024/05/03	100	60 - 140	100	60 - 140	95	%		
9370393	D10-o-Xylene	2024/05/03	113	60 - 130	98	60 - 130	82	%		
9370393	D4-1,2-Dichloroethane	2024/05/03	100	60 - 140	102	60 - 140	107	%		
9370393	D8-Toluene	2024/05/03	107	60 - 140	106	60 - 140	93	%		
9371365	o-Terphenyl	2024/05/03	92	60 - 130	95	60 - 130	94	%		
9372209	Isobutylbenzene - Volatile	2024/05/03	109	60 - 130	100	60 - 130	102	%		
9374856	Isobutylbenzene - Extractable	2024/05/06	98	60 - 130	99	60 - 130	103	%		
9374856	n-Dotriacontane - Extractable	2024/05/06	100	60 - 130	96	60 - 130	103	%		
9375008	D10-Anthracene	2024/05/06	93	50 - 130	92	50 - 130	91	%		
9375008	D14-Terphenyl (FS)	2024/05/06	94	50 - 130	95	50 - 130	94	%		
9375008	D8-Acenaphthylene	2024/05/06	90	50 - 130	84	50 - 130	87	%		
9379459	o-Terphenyl	2024/05/08	79	60 - 130	86	60 - 130	96	%		
9386271	Isobutylbenzene - Extractable	2024/05/11	102	60 - 130	97	60 - 130	100	%		
9386271	n-Dotriacontane - Extractable	2024/05/11	100	60 - 130	99	60 - 130	91	%		
9388477	o-Terphenyl	2024/05/12	105	60 - 130	87	60 - 130	96	%		
9369766	Moisture	2024/05/02							1.1	20
9369803	Benzene	2024/05/02	91	60 - 140	92	60 - 130	<0.0060	ug/g	NC	50
9369803	Ethylbenzene	2024/05/02	92	60 - 140	94	60 - 130	<0.010	ug/g	NC	50
9369803	F1 (C6-C10) - BTEX	2024/05/02					<10	ug/g	NC	30
9369803	F1 (C6-C10)	2024/05/02	93	60 - 140	92	80 - 120	<10	ug/g	NC	30
9369803	o-Xylene	2024/05/02	87	60 - 140	88	60 - 130	<0.020	ug/g	NC	50
9369803	p+m-Xylene	2024/05/02	99	60 - 140	100	60 - 130	<0.020	ug/g	NC	50
9369803	Toluene	2024/05/02	90	60 - 140	91	60 - 130	<0.020	ug/g	NC	50
9369803	Total Xylenes	2024/05/02					<0.020	ug/g	NC	50
9370393	Benzene	2024/05/03	90	60 - 140	93	60 - 130	<0.0060	ug/g	NC	50
9370393	Ethylbenzene	2024/05/03	88	60 - 140	91	60 - 130	<0.010	ug/g	NC	50
9370393	F1 (C6-C10) - BTEX	2024/05/03					<10	ug/g	NC	30



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448

Report Date: 2024/05/14

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE RD, EASTERN PASSAGE

Your P.O. #: 133432095.248

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9370393	F1 (C6-C10)	2024/05/03	103	60 - 140	86	80 - 120	<10	ug/g	NC	30
9370393	o-Xylene	2024/05/03	82	60 - 140	84	60 - 130	<0.020	ug/g	NC	50
9370393	p+m-Xylene	2024/05/03	93	60 - 140	97	60 - 130	<0.020	ug/g	NC	50
9370393	Toluene	2024/05/03	95	60 - 140	98	60 - 130	<0.020	ug/g	NC	50
9370393	Total Xylenes	2024/05/03					<0.020	ug/g	NC	50
9371365	F2 (C10-C16 Hydrocarbons)	2024/05/03	100	60 - 130	104	80 - 120	<10	ug/g	NC	30
9371365	F3 (C16-C34 Hydrocarbons)	2024/05/03	96	60 - 130	99	80 - 120	<50	ug/g	NC	30
9371365	F4 (C34-C50 Hydrocarbons)	2024/05/03	87	60 - 130	89	80 - 120	<50	ug/g	NC	30
9372166	Moisture	2024/05/06							17	25
9372209	Benzene	2024/05/09	88	60 - 130	89	60 - 140	<0.0050	mg/kg	NC	50
9372209	C6 - C10 (less BTEX)	2024/05/09					<2.5	mg/kg	NC	50
9372209	Ethylbenzene	2024/05/09	86	60 - 130	90	60 - 140	<0.010	mg/kg	NC	50
9372209	Toluene	2024/05/09	83	60 - 130	86	60 - 140	<0.050	mg/kg	NC	50
9372209	Total Xylenes	2024/05/09	83	60 - 130	91	60 - 140	<0.050	mg/kg	NC	50
9374856	>C10-C16 Hydrocarbons	2024/05/06	91	30 - 130	89	60 - 130	<10	mg/kg	NC	50
9374856	>C16-C21 Hydrocarbons	2024/05/06	94	30 - 130	89	60 - 130	<10	mg/kg	NC	50
9374856	>C21-<C32 Hydrocarbons	2024/05/06	94	30 - 130	89	60 - 130	<15	mg/kg	NC	50
9375008	1-Methylnaphthalene	2024/05/06	89	50 - 130	87	50 - 130	<0.010	mg/kg	NC	50
9375008	2-Methylnaphthalene	2024/05/06	93	50 - 130	93	50 - 130	<0.010	mg/kg	NC	50
9375008	Acenaphthene	2024/05/06	88	50 - 130	86	50 - 130	<0.010	mg/kg	NC	50
9375008	Acenaphthylene	2024/05/06	94	50 - 130	88	50 - 130	<0.010	mg/kg	NC	50
9375008	Anthracene	2024/05/06	96	50 - 130	94	50 - 130	<0.010	mg/kg	NC	50
9375008	Benzo(a)anthracene	2024/05/06	105	50 - 130	94	50 - 130	<0.010	mg/kg	NC	50
9375008	Benzo(a)pyrene	2024/05/06	76	50 - 130	79	50 - 130	<0.010	mg/kg	24	50
9375008	Benzo(b)fluoranthene	2024/05/06	76	50 - 130	83	50 - 130	<0.010	mg/kg	NC	50
9375008	Benzo(g,h,i)perylene	2024/05/06	71	50 - 130	82	50 - 130	<0.010	mg/kg	NC	50
9375008	Benzo(j)fluoranthene	2024/05/06	80	50 - 130	84	50 - 130	<0.010	mg/kg	NC	50
9375008	Benzo(k)fluoranthene	2024/05/06	82	50 - 130	85	50 - 130	<0.010	mg/kg	NC	50
9375008	Chrysene	2024/05/06	102	50 - 130	99	50 - 130	<0.010	mg/kg	43	50
9375008	Dibenzo(a,h)anthracene	2024/05/06	76	50 - 130	83	50 - 130	<0.010	mg/kg	NC	50
9375008	Fluoranthene	2024/05/06	95	50 - 130	93	50 - 130	<0.010	mg/kg	NC	50



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448

Report Date: 2024/05/14

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE RD, EASTERN PASSAGE

Your P.O. #: 133432095.248

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9375008	Fluorene	2024/05/06	90	50 - 130	90	50 - 130	<0.010	mg/kg	NC	50
9375008	Indeno(1,2,3-cd)pyrene	2024/05/06	76	50 - 130	81	50 - 130	<0.010	mg/kg	NC	50
9375008	Naphthalene	2024/05/06	84	50 - 130	80	50 - 130	<0.010	mg/kg	NC	50
9375008	Perylene	2024/05/06	73	50 - 130	75	50 - 130	<0.010	mg/kg	NC	50
9375008	Phenanthrene	2024/05/06	95	50 - 130	95	50 - 130	<0.010	mg/kg	NC	50
9375008	Pyrene	2024/05/06	93	50 - 130	91	50 - 130	<0.010	mg/kg	NC	50
9375094	Acid Extractable Aluminum (Al)	2024/05/07					<10	mg/kg	2.5	35
9375094	Acid Extractable Antimony (Sb)	2024/05/07	99	75 - 125	113	75 - 125	<2.0	mg/kg	NC	35
9375094	Acid Extractable Arsenic (As)	2024/05/07	97	75 - 125	99	75 - 125	<2.0	mg/kg	2.9	35
9375094	Acid Extractable Barium (Ba)	2024/05/07	103	75 - 125	97	75 - 125	<5.0	mg/kg	1.9	35
9375094	Acid Extractable Beryllium (Be)	2024/05/07	98	75 - 125	94	75 - 125	<1.0	mg/kg	NC	35
9375094	Acid Extractable Bismuth (Bi)	2024/05/07	101	75 - 125	99	75 - 125	<2.0	mg/kg	NC	35
9375094	Acid Extractable Boron (B)	2024/05/07	81	75 - 125	100	75 - 125	<50	mg/kg	NC	35
9375094	Acid Extractable Cadmium (Cd)	2024/05/07	103	75 - 125	103	75 - 125	<0.30	mg/kg	NC	35
9375094	Acid Extractable Chromium (Cr)	2024/05/07	103	75 - 125	101	75 - 125	<2.0	mg/kg	0.63	35
9375094	Acid Extractable Cobalt (Co)	2024/05/07	100	75 - 125	100	75 - 125	<1.0	mg/kg	0.22	35
9375094	Acid Extractable Copper (Cu)	2024/05/07	100	75 - 125	99	75 - 125	<2.0	mg/kg	0.46	35
9375094	Acid Extractable Iron (Fe)	2024/05/07					<50	mg/kg	2.3	35
9375094	Acid Extractable Lead (Pb)	2024/05/07	99	75 - 125	99	75 - 125	<0.50	mg/kg	3.8	35
9375094	Acid Extractable Lithium (Li)	2024/05/07	103	75 - 125	97	75 - 125	<2.0	mg/kg	1.7	35
9375094	Acid Extractable Manganese (Mn)	2024/05/07	NC	75 - 125	100	75 - 125	<2.0	mg/kg	3.9	35
9375094	Acid Extractable Mercury (Hg)	2024/05/07	99	75 - 125	100	75 - 125	<0.10	mg/kg	NC	35
9375094	Acid Extractable Molybdenum (Mo)	2024/05/07	102	75 - 125	100	75 - 125	<2.0	mg/kg	NC	35
9375094	Acid Extractable Nickel (Ni)	2024/05/07	100	75 - 125	100	75 - 125	<2.0	mg/kg	3.3	35
9375094	Acid Extractable Rubidium (Rb)	2024/05/07	100	75 - 125	100	75 - 125	<2.0	mg/kg	3.1	35
9375094	Acid Extractable Selenium (Se)	2024/05/07	100	75 - 125	102	75 - 125	<0.50	mg/kg	NC	35
9375094	Acid Extractable Silver (Ag)	2024/05/07	101	75 - 125	101	75 - 125	<0.50	mg/kg	NC	35
9375094	Acid Extractable Strontium (Sr)	2024/05/07	107	75 - 125	100	75 - 125	<5.0	mg/kg	0.93	35
9375094	Acid Extractable Thallium (Tl)	2024/05/07	103	75 - 125	101	75 - 125	<0.10	mg/kg	NC	35
9375094	Acid Extractable Tin (Sn)	2024/05/07	106	75 - 125	103	75 - 125	<1.0	mg/kg	NC	35
9375094	Acid Extractable Uranium (U)	2024/05/07	100	75 - 125	99	75 - 125	<0.10	mg/kg	0.50	35



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448

Report Date: 2024/05/14

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE RD, EASTERN PASSAGE

Your P.O. #: 133432095.248

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9375094	Acid Extractable Vanadium (V)	2024/05/07	102	75 - 125	99	75 - 125	<2.0	mg/kg	1.7	35
9375094	Acid Extractable Zinc (Zn)	2024/05/07	103	75 - 125	98	75 - 125	<5.0	mg/kg	4.9	35
9379459	F2 (C10-C16 Hydrocarbons)	2024/05/08	83	60 - 130	88	80 - 120	<10	ug/g	NC	30
9379459	F3 (C16-C34 Hydrocarbons)	2024/05/08	86	60 - 130	92	80 - 120	<50	ug/g	NC	30
9379459	F4 (C34-C50 Hydrocarbons)	2024/05/08	84	60 - 130	89	80 - 120	<50	ug/g	NC	30
9386271	>C10-C16 Hydrocarbons	2024/05/11	99	30 - 130	91	60 - 130	<10	mg/kg	NC	50
9386271	>C16-C21 Hydrocarbons	2024/05/11	105	30 - 130	99	60 - 130	<10	mg/kg	NC	50
9386271	>C21-<C32 Hydrocarbons	2024/05/11	102	30 - 130	94	60 - 130	<15	mg/kg	NC	50
9388149	Moisture	2024/05/11							6.5	20
9388477	F2 (C10-C16 Hydrocarbons)	2024/05/12	106	60 - 130	90	80 - 120	<10	ug/g	NC	30
9388477	F3 (C16-C34 Hydrocarbons)	2024/05/12	109	60 - 130	92	80 - 120	<50	ug/g	NC	30
9388477	F4 (C34-C50 Hydrocarbons)	2024/05/12	104	60 - 130	89	80 - 120	<50	ug/g	NC	30

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

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

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

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

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

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



BUREAU
VERITAS

Bureau Veritas Job #: C4C8448
Report Date: 2024/05/14

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.248
Sampler Initials: DB

VALIDATION SIGNATURE PAGE

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

Anastassia Hamanov, Scientific Specialist

Cristina Carriere, Senior Scientific Specialist

Janah Rhyno, Scientific Specialist

Phil Deveau, Scientific Specialist (Organics)



Bureau Veritas Proprietary Software
Logiciel Propriétaire de Bureau Veritas

Automated Statchk

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 Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.



Your P.O. #: 133432095.245
 Your Project #: 133432095
 Site#: 00365957
 Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
 Your C.O.C. #: N/A

Attention: Megan Kelly

Stantec Consulting Ltd
 40 Highfield Park Drive
 Suite 102
 Dartmouth, NS
 CANADA B3A 0A3

Report Date: 2024/05/10
 Report #: R8143849
 Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4D0746

Received: 2024/05/02, 09:16

Sample Matrix: Soil
 # Samples Received: 32

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Benzo(b/j)fluoranthene Sum (soil)	14	N/A	2024/05/08	N/A	Auto Calc.
TEH in Soil (PIRI) (3)	15	2024/05/07	2024/05/07	ATL SOP 00111	Atl. RBCA v3.1 m
Petroleum Hydrocarbons F2-F4 in Soil (1, 4)	15	2024/05/09	2024/05/09	CAM SOP-00316	CCME CWS m
Metals Solids Acid Extr. ICPMS	9	2024/05/07	2024/05/07	ATL SOP 00058	EPA 6020B R2 m
Metals Solids Acid Extr. ICPMS	5	2024/05/08	2024/05/08	ATL SOP 00058	EPA 6020B R2 m
Moisture (Subcontracted) (2, 5)	2	N/A	2024/05/06	AB SOP-00002	CCME PHC-CWS m
Moisture (Subcontracted) (2, 5)	4	N/A	2024/05/09	AB SOP-00002	CCME PHC-CWS m
VOCs in Soil by HS GC/MS (Std List) (2, 6)	6	N/A	2024/05/06	AB SOP-00056	EPA 5021a/8260d m
Moisture	23	N/A	2024/05/07	ATL SOP 00001	OMOE Handbook 1983 m
PAH Compounds by GCMS (SIM) (3)	3	2024/05/07	2024/05/07	ATL SOP 00102	EPA 8270E R6 m
PAH Compounds by GCMS (SIM) (3)	11	2024/05/07	2024/05/08	ATL SOP 00102	EPA 8270E R6 m
VPH in Soil (PIRI) (7)	1	2024/05/06	2024/05/07	ATL SOP 00119	Atl. RBCA v3.1 m
ModTPH (T1) Calc. for Soil	15	N/A	2024/05/08	N/A	Atl. RBCA v3.1 m
Volatile Organic Compounds and F1 PHCs (1)	15	N/A	2024/05/09	CAM SOP-00230	EPA 8260C m
VPH in Soil (PIRI) - Field Preserved (8)	2	N/A	2024/05/06	ATL SOP 00119	Atl. RBCA v3.1 m
VPH in Soil (PIRI) - Field Preserved (8)	12	N/A	2024/05/07	ATL SOP 00119	Atl. RBCA v3.1 m

Remarks:

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

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

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.



Your P.O. #: 133432095.245
Your Project #: 133432095
Site#: 00365957
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your C.O.C. #: N/A

Attention: Megan Kelly

Stantec Consulting Ltd
40 Highfield Park Drive
Suite 102
Dartmouth, NS
CANADA B3A 0A3

Report Date: 2024/05/10
Report #: R8143849
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4D0746

Received: 2024/05/02, 09:16

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

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

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

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

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

- (1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
- (2) This test was performed by Bureau Veritas Calgary, 4000-19th Street North-East , Calgary, AB, T2E 6P8
- (3) Soils are reported on a dry weight basis unless otherwise specified.
- (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) Offsite analysis requires that subcontracted moisture be reported.
- (6) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is date sampled unless otherwise stated.
- (7) Sample(s) were not field preserved for VPH when received at the laboratory. Analytical results for VPH parameters should be regarded as minimum values.
- (8) No lab extraction date is given for C6-C10/BTEX and VOC samples that are field preserved with methanol. Extraction date is date sampled unless otherwise stated.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:

Marie Muise, Key Account Specialist
Email: Marie.MUISE@bureauveritas.com
Phone# (902)420-0203 Ext:253

=====

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 Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZBD851	ZBD852		ZBD858		ZBD861		
Sampling Date		2024/05/01 11:27	2024/05/01 11:28		2024/05/01 11:45		2024/05/01 11:06		
	UNITS	TP24-LK02 SS1	TP24-LK02 SS2	QC Batch	TP24-LK04 SS1	RDL	TP24-LK05 SS2	RDL	QC Batch

Petroleum Hydrocarbons									
Benzene	mg/kg	<0.010	<0.010	9375550	<0.010	0.010	<0.0050	0.0050	9376949
Toluene	mg/kg	<0.10	<0.10	9375550	<0.10	0.10	<0.050	0.050	9376949
Ethylbenzene	mg/kg	<0.020	<0.020	9375550	<0.020	0.020	<0.010	0.010	9376949
Total Xylenes	mg/kg	<0.10	<0.10	9375550	<0.10	0.10	<0.050	0.050	9376949
C6 - C10 (less BTEX)	mg/kg	<5.0	<5.0	9375550	<5.0	5.0	<2.5	2.5	9376949
>C10-C16 Hydrocarbons	mg/kg	<10	<10	9377570	<10	10	<10	10	9377570
>C16-C21 Hydrocarbons	mg/kg	21	<10	9377570	<10	10	<10	10	9377570
>C21-<C32 Hydrocarbons	mg/kg	27	<15	9377570	44	15	<15	15	9377570
Modified TPH (Tier1)	mg/kg	48	<15	9371579	44	15	<15	15	9371341
Reached Baseline at C32	mg/kg	Yes	NA	9377570	Yes	N/A	NA	N/A	9377570
Hydrocarbon Resemblance	mg/kg	COMMENT (1)	NA	9377570	COMMENT (2)	N/A	NA	N/A	9377570
Surrogate Recovery (%)									
Isobutylbenzene - Extractable	%	93	102	9377570	105	N/A	98	N/A	9377570
n-Dotriacontane - Extractable	%	92	91	9377570	103	N/A	88	N/A	9377570
Isobutylbenzene - Volatile	%	95 (3)	94 (3)	9375550	98 (3)	N/A	102	N/A	9376949

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable

(1) One product in fuel / lube range. Possible lube oil fraction.

(2) Lube oil fraction.

(3) Elevated VPH RDL(s) due to limited sample.



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZBD862		ZBD864	ZBD866		ZBD869		
Sampling Date		2024/05/01 13:33		2024/05/01 13:17	2024/05/01 13:05		2024/05/01 10:12		
	UNITS	TP24-LK06 SS1	RDL	TP24-LK07 SS1	TP24-LK08 SS1	RDL	TP24-LK09 SS2	RDL	QC Batch
Petroleum Hydrocarbons									
Benzene	mg/kg	<0.010	0.010	<0.0050	<0.0050	0.0050	<0.010	0.010	9376949
Toluene	mg/kg	<0.10	0.10	<0.050	<0.050	0.050	<0.10	0.10	9376949
Ethylbenzene	mg/kg	<0.020	0.020	<0.010	<0.010	0.010	<0.020	0.020	9376949
Total Xylenes	mg/kg	<0.10	0.10	<0.050	<0.050	0.050	<0.10	0.10	9376949
C6 - C10 (less BTEX)	mg/kg	<5.0	5.0	<2.5	<2.5	2.5	<5.0	5.0	9376949
>C10-C16 Hydrocarbons	mg/kg	<10	10	<10	<10	10	<10	10	9377570
>C16-C21 Hydrocarbons	mg/kg	25	10	23	<10	10	<10	10	9377570
>C21-<C32 Hydrocarbons	mg/kg	140	15	64	27	15	<15	15	9377570
Modified TPH (Tier1)	mg/kg	170	15	86	27	15	<15	15	9371341
Reached Baseline at C32	mg/kg	Yes	N/A	Yes	Yes	N/A	NA	N/A	9377570
Hydrocarbon Resemblance	mg/kg	COMMENT (1)	N/A	COMMENT (2)	COMMENT (3)	N/A	NA	N/A	9377570
Surrogate Recovery (%)									
Isobutylbenzene - Extractable	%	101	N/A	102	98	N/A	102	N/A	9377570
n-Dotriacontane - Extractable	%	97	N/A	92	93	N/A	93	N/A	9377570
Isobutylbenzene - Volatile	%	95 (4)	N/A	95	108	N/A	104 (4)	N/A	9376949
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Lube oil fraction. (2) Unidentified compound(s) in fuel / lube range. Lube oil fraction. (3) Possible lube oil fraction. (4) Elevated VPH RDL(s) due to limited sample.									



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZBD870		ZBD874	ZBD876	ZBD878	ZBD881		
Sampling Date		2024/05/01 10:27		2024/05/01 13:47	2024/05/01 09:22	2024/05/01 09:36	2024/05/01 09:57		
	UNITS	TP24-LK10 SS1	RDL	TP24-LK12 SS1	TP24-LK13 SS1	TP24-LK14 SS1	TP24-LK15 SS2	RDL	QC Batch

Petroleum Hydrocarbons									
Benzene	mg/kg	<0.0050	0.0050	<0.010	<0.010	<0.010	<0.010	0.010	9376949
Toluene	mg/kg	<0.050	0.050	<0.10	<0.10	<0.10	<0.10	0.10	9376949
Ethylbenzene	mg/kg	<0.010	0.010	<0.020	<0.020	<0.020	<0.020	0.020	9376949
Total Xylenes	mg/kg	<0.050	0.050	<0.10	<0.10	<0.10	<0.10	0.10	9376949
C6 - C10 (less BTEX)	mg/kg	<2.5	2.5	<5.0	<5.0	<5.0	<5.0	5.0	9376949
>C10-C16 Hydrocarbons	mg/kg	<10	10	<10	<10	<10	<10	10	9377570
>C16-C21 Hydrocarbons	mg/kg	<10	10	<10	<10	<10	<10	10	9377570
>C21-<C32 Hydrocarbons	mg/kg	30	15	39	33	<15	<15	15	9377570
Modified TPH (Tier1)	mg/kg	30	15	39	33	<15	<15	15	9371341
Reached Baseline at C32	mg/kg	Yes	N/A	Yes	Yes	NA	NA	N/A	9377570
Hydrocarbon Resemblance	mg/kg	COMMENT (1)	N/A	COMMENT (1)	COMMENT (1)	NA	NA	N/A	9377570
Surrogate Recovery (%)									
Isobutylbenzene - Extractable	%	94	N/A	99	99	98	106	N/A	9377570
n-Dotriacontane - Extractable	%	95	N/A	97	100	90	94	N/A	9377570
Isobutylbenzene - Volatile	%	104	N/A	95 (2)	99 (2)	103 (2)	102 (2)	N/A	9376949

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 N/A = Not Applicable
 (1) Possible lube oil fraction.
 (2) Elevated VPH RDL(s) due to limited sample.



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/10

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZBD883		
Sampling Date		2024/05/01		
	UNITS	TP24-LK-DUP2 SS1	RDL	QC Batch
Petroleum Hydrocarbons				
Benzene	mg/kg	<0.010	0.010	9376949
Toluene	mg/kg	<0.10	0.10	9376949
Ethylbenzene	mg/kg	<0.020	0.020	9376949
Total Xylenes	mg/kg	<0.10	0.10	9376949
C6 - C10 (less BTEX)	mg/kg	<5.0	5.0	9376949
>C10-C16 Hydrocarbons	mg/kg	<10	10	9377570
>C16-C21 Hydrocarbons	mg/kg	<10	10	9377570
>C21-<C32 Hydrocarbons	mg/kg	22	15	9377570
Modified TPH (Tier1)	mg/kg	22	15	9371341
Reached Baseline at C32	mg/kg	Yes	N/A	9377570
Hydrocarbon Resemblance	mg/kg	COMMENT (1)	N/A	9377570
Surrogate Recovery (%)				
Isobutylbenzene - Extractable	%	98	N/A	9377570
n-Dotriacontane - Extractable	%	93	N/A	9377570
Isobutylbenzene - Volatile	%	102 (2)	N/A	9376949
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Possible lube oil fraction. (2) Elevated VPH RDL(s) due to limited sample.				



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (LAB PRES.)

Bureau Veritas ID		ZBD856		
Sampling Date		2024/05/01 12:49		
	UNITS	TP24-LK03 SS1	RDL	QC Batch
Petroleum Hydrocarbons				
Benzene	mg/kg	<0.0050	0.0050	9377416
Toluene	mg/kg	<0.050	0.050	9377416
Ethylbenzene	mg/kg	<0.010	0.010	9377416
Total Xylenes	mg/kg	<0.050	0.050	9377416
C6 - C10 (less BTEX)	mg/kg	73	2.5	9377416
>C10-C16 Hydrocarbons	mg/kg	4900	10	9377570
>C16-C21 Hydrocarbons	mg/kg	3700	10	9377570
>C21-<C32 Hydrocarbons	mg/kg	1300	15	9377570
Modified TPH (Tier1)	mg/kg	9900	15	9371341
Reached Baseline at C32	mg/kg	Yes	N/A	9377570
Hydrocarbon Resemblance	mg/kg	COMMENT (1)	N/A	9377570
Surrogate Recovery (%)				
Isobutylbenzene - Extractable	%	97	N/A	9377570
n-Dotriacontane - Extractable	%	107	N/A	9377570
Isobutylbenzene - Volatile	%	92	N/A	9377416
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Weathered fuel oil fraction.				



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

Bureau Veritas ID		ZBD851	ZBD852	ZBD856	ZBD858	ZBD861	ZBD862		
Sampling Date		2024/05/01 11:27	2024/05/01 11:28	2024/05/01 12:49	2024/05/01 11:45	2024/05/01 11:06	2024/05/01 13:33		
	UNITS	TP24-LK02 SS1	TP24-LK02 SS2	TP24-LK03 SS1	TP24-LK04 SS1	TP24-LK05 SS2	TP24-LK06 SS1	RDL	QC Batch

Volatile Organics

Benzene	ug/g	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	9380369
Ethylbenzene	ug/g	<0.010	<0.010	0.026	<0.010	<0.010	<0.010	0.010	9380369
Toluene	ug/g	<0.020	<0.020	0.042	<0.020	<0.020	<0.020	0.020	9380369
p+m-Xylene	ug/g	<0.020	<0.020	0.056	<0.020	<0.020	<0.020	0.020	9380369
o-Xylene	ug/g	<0.020	<0.020	0.030	<0.020	<0.020	<0.020	0.020	9380369
Total Xylenes	ug/g	<0.020	<0.020	0.085	<0.020	<0.020	<0.020	0.020	9380369
F1 (C6-C10)	ug/g	<10	<10	<10	<10	<10	<10	10	9380369
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	<10	<10	10	9380369

F2-F4 Hydrocarbons

F2 (C10-C16 Hydrocarbons)	ug/g	<10	<10	3100	<10	<10	<10	10	9382368
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	3400	<50	<50	120	50	9382368
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	170	<50	<50	<50	50	9382368
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes	Yes	Yes	N/A	9382368

Surrogate Recovery (%)

o-Terphenyl	%	86	92	93	93	92	93	N/A	9382368
4-Bromofluorobenzene	%	96	96	97	97	98	97	N/A	9380369
D10-o-Xylene	%	119	113	98	116	112	105	N/A	9380369
D4-1,2-Dichloroethane	%	83	84	86	86	86	87	N/A	9380369
D8-Toluene	%	96	96	95	96	96	96	N/A	9380369

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



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

Bureau Veritas ID		ZBD864	ZBD866	ZBD869	ZBD870	ZBD870	ZBD874		
Sampling Date		2024/05/01 13:17	2024/05/01 13:05	2024/05/01 10:12	2024/05/01 10:27	2024/05/01 10:27	2024/05/01 13:47		
	UNITS	TP24-LK07 SS1	TP24-LK08 SS1	TP24-LK09 SS2	TP24-LK10 SS1	TP24-LK10 SS1 Lab-Dup	TP24-LK12 SS1	RDL	QC Batch

Volatile Organics									
Benzene	ug/g	<0.0060	<0.0060	<0.0060	<0.0060	N/A	<0.0060	0.0060	9380369
Ethylbenzene	ug/g	<0.010	<0.010	<0.010	<0.010	N/A	<0.010	0.010	9380369
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	N/A	<0.020	0.020	9380369
p+m-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	N/A	<0.020	0.020	9380369
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	N/A	<0.020	0.020	9380369
Total Xylenes	ug/g	<0.020	<0.020	<0.020	<0.020	N/A	<0.020	0.020	9380369
F1 (C6-C10)	ug/g	<10	<10	<10	<10	N/A	<10	10	9380369
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	N/A	<10	10	9380369
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/g	<10	<10	<10	<10	<10	<10	10	9382368
F3 (C16-C34 Hydrocarbons)	ug/g	<50	55	<50	<50	<50	<50	50	9382368
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	<50	<50	<50	<50	50	9382368
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes	Yes	Yes	N/A	9382368
Surrogate Recovery (%)									
o-Terphenyl	%	91	92	92	94	96	91	N/A	9382368
4-Bromofluorobenzene	%	99	98	98	98	N/A	98	N/A	9380369
D10-o-Xylene	%	102	104	110	106	N/A	101	N/A	9380369
D4-1,2-Dichloroethane	%	87	88	87	88	N/A	88	N/A	9380369
D8-Toluene	%	96	95	95	94	N/A	95	N/A	9380369
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable									



CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

Bureau Veritas ID		ZBD876	ZBD878	ZBD881	ZBD883		
Sampling Date		2024/05/01 09:22	2024/05/01 09:36	2024/05/01 09:57	2024/05/01		
	UNITS	TP24-LK13 SS1	TP24-LK14 SS1	TP24-LK15 SS2	TP24-LK-DUP2 SS1	RDL	QC Batch
Volatile Organics							
Benzene	ug/g	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	9380369
Ethylbenzene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	9380369
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9380369
p+m-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9380369
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9380369
Total Xylenes	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9380369
F1 (C6-C10)	ug/g	<10	<10	<10	<10	10	9380369
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	10	9380369
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	<10	<10	<10	<10	10	9382368
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	9382368
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	9382368
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes	N/A	9382368
Surrogate Recovery (%)							
o-Terphenyl	%	93	91	96	98	N/A	9382368
4-Bromofluorobenzene	%	99	98	99	100	N/A	9380369
D10-o-Xylene	%	104	105	102	103	N/A	9380369
D4-1,2-Dichloroethane	%	90	91	89	91	N/A	9380369
D8-Toluene	%	95	94	95	94	N/A	9380369
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable							



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD851	ZBD852	ZBD856	ZBD858	ZBD859		
Sampling Date		2024/05/01 11:27	2024/05/01 11:28	2024/05/01 12:49	2024/05/01 11:45	2024/05/01 11:46		
	UNITS	TP24-LK02 SS1	TP24-LK02 SS2	TP24-LK03 SS1	TP24-LK04 SS1	TP24-LK04 SS2	RDL	QC Batch
Inorganics								
Moisture	%	21	12	34	20	13	1.0	9375129
Physical Testing								
Moisture-Subcontracted	%	N/A	12	27	N/A	N/A	0.30	9385787
Volatile Organics								
Bromodichloromethane	mg/kg	N/A	<0.030	<0.030	N/A	N/A	0.030	9385788
Bromoform	mg/kg	N/A	<0.050	<0.050	N/A	N/A	0.050	9385788
Bromomethane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
Carbon Tetrachloride	mg/kg	N/A	<0.00050	<0.00050	N/A	N/A	0.00050	9385788
Chlorobenzene	mg/kg	N/A	<0.0050	<0.0050	N/A	N/A	0.0050	9385788
Dibromochloromethane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
Chloroethane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
Chloroform	mg/kg	N/A	<0.010	<0.010	N/A	N/A	0.010	9385788
Chloromethane	mg/kg	N/A	<0.030	<0.030	N/A	N/A	0.030	9385788
Ethylene Dibromide	mg/kg	N/A	<0.0020	<0.0020	N/A	N/A	0.0020	9385788
1,2-Dichlorobenzene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,3-Dichlorobenzene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,4-Dichlorobenzene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,1-Dichloroethane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,2-Dichloroethane	mg/kg	N/A	<0.0020	0.0043	N/A	N/A	0.0020	9385788
1,1-Dichloroethene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
cis-1,2-Dichloroethene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
trans-1,2-Dichloroethene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
Methylene Chloride(Dichloromethane)	mg/kg	N/A	<0.030	<0.030	N/A	N/A	0.030	9385788
1,2-Dichloropropane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
cis-1,3-Dichloropropene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
trans-1,3-Dichloropropene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
Methyl methacrylate	mg/kg	N/A	<0.040	<0.040	N/A	N/A	0.040	9385788
Methyl t-butyl ether (MTBE)	mg/kg	N/A	<0.030	<0.030	N/A	N/A	0.030	9385788
Styrene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,1,1,2-Tetrachloroethane	mg/kg	N/A	<0.050	<0.050	N/A	N/A	0.050	9385788
1,1,1,2-Tetrachloroethane	mg/kg	N/A	<0.050	<0.050	N/A	N/A	0.050	9385788
Tetrachloroethylene	mg/kg	N/A	<0.010	<0.010	N/A	N/A	0.010	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD851	ZBD852	ZBD856	ZBD858	ZBD859		
Sampling Date		2024/05/01 11:27	2024/05/01 11:28	2024/05/01 12:49	2024/05/01 11:45	2024/05/01 11:46		
	UNITS	TP24-LK02 SS1	TP24-LK02 SS2	TP24-LK03 SS1	TP24-LK04 SS1	TP24-LK04 SS2	RDL	QC Batch
1,2,3-Trichlorobenzene	mg/kg	N/A	<0.040	<0.040	N/A	N/A	0.040	9385788
1,2,4-Trichlorobenzene	mg/kg	N/A	<0.040	<0.040	N/A	N/A	0.040	9385788
1,3,5-Trichlorobenzene	mg/kg	N/A	<0.040	<0.040	N/A	N/A	0.040	9385788
1,1,1-Trichloroethane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,1,2-Trichloroethane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
Trichloroethylene	mg/kg	N/A	<0.0010	<0.0010	N/A	N/A	0.0010	9385788
Trichlorofluoromethane (FREON 11)	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,2,4-Trimethylbenzene	mg/kg	N/A	<0.50	<0.50	N/A	N/A	0.50	9385788
1,3,5-Trimethylbenzene	mg/kg	N/A	<0.50	<0.50	N/A	N/A	0.50	9385788
Vinyl Chloride	mg/kg	N/A	<0.00030	<0.00030	N/A	N/A	0.00030	9385788
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	N/A	101	101	N/A	N/A	N/A	9385788
4-Bromofluorobenzene	%	N/A	103	70	N/A	N/A	N/A	9385788
D10-o-Xylene	%	N/A	95	101	N/A	N/A	N/A	9385788
D4-1,2-Dichloroethane	%	N/A	106	104	N/A	N/A	N/A	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD860	ZBD861	ZBD862	ZBD863	ZBD864		
Sampling Date		2024/05/01 11:05	2024/05/01 11:06	2024/05/01 13:33	2024/05/01 13:34	2024/05/01 13:17		
	UNITS	TP24-LK05 SS1	TP24-LK05 SS2	TP24-LK06 SS1	TP24-LK06 SS2	TP24-LK07 SS1	RDL	QC Batch
Inorganics								
Moisture	%	16	11	15	13	14	1.0	9375129
Physical Testing								
Moisture-Subcontracted	%	N/A	N/A	N/A	14	N/A	0.30	9385787
Volatile Organics								
Bromodichloromethane	mg/kg	N/A	N/A	N/A	<0.030	N/A	0.030	9385788
Bromoform	mg/kg	N/A	N/A	N/A	<0.050	N/A	0.050	9385788
Bromomethane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
Carbon Tetrachloride	mg/kg	N/A	N/A	N/A	<0.00050	N/A	0.00050	9385788
Chlorobenzene	mg/kg	N/A	N/A	N/A	<0.0050	N/A	0.0050	9385788
Dibromochloromethane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
Chloroethane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
Chloroform	mg/kg	N/A	N/A	N/A	<0.010	N/A	0.010	9385788
Chloromethane	mg/kg	N/A	N/A	N/A	<0.030	N/A	0.030	9385788
Ethylene Dibromide	mg/kg	N/A	N/A	N/A	<0.0020	N/A	0.0020	9385788
1,2-Dichlorobenzene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,3-Dichlorobenzene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,4-Dichlorobenzene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,1-Dichloroethane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,2-Dichloroethane	mg/kg	N/A	N/A	N/A	<0.0020	N/A	0.0020	9385788
1,1-Dichloroethene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
cis-1,2-Dichloroethene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
trans-1,2-Dichloroethene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
Methylene Chloride(Dichloromethane)	mg/kg	N/A	N/A	N/A	<0.030	N/A	0.030	9385788
1,2-Dichloropropane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
cis-1,3-Dichloropropene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
trans-1,3-Dichloropropene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
Methyl methacrylate	mg/kg	N/A	N/A	N/A	<0.040	N/A	0.040	9385788
Methyl t-butyl ether (MTBE)	mg/kg	N/A	N/A	N/A	<0.030	N/A	0.030	9385788
Styrene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,1,1,2-Tetrachloroethane	mg/kg	N/A	N/A	N/A	<0.050	N/A	0.050	9385788
1,1,1,2,2-Tetrachloroethane	mg/kg	N/A	N/A	N/A	<0.050	N/A	0.050	9385788
Tetrachloroethylene	mg/kg	N/A	N/A	N/A	<0.010	N/A	0.010	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD860	ZBD861	ZBD862	ZBD863	ZBD864		
Sampling Date		2024/05/01 11:05	2024/05/01 11:06	2024/05/01 13:33	2024/05/01 13:34	2024/05/01 13:17		
	UNITS	TP24-LK05 SS1	TP24-LK05 SS2	TP24-LK06 SS1	TP24-LK06 SS2	TP24-LK07 SS1	RDL	QC Batch
1,2,3-Trichlorobenzene	mg/kg	N/A	N/A	N/A	<0.040	N/A	0.040	9385788
1,2,4-Trichlorobenzene	mg/kg	N/A	N/A	N/A	<0.040	N/A	0.040	9385788
1,3,5-Trichlorobenzene	mg/kg	N/A	N/A	N/A	<0.040	N/A	0.040	9385788
1,1,1-Trichloroethane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,1,2-Trichloroethane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
Trichloroethylene	mg/kg	N/A	N/A	N/A	<0.0010	N/A	0.0010	9385788
Trichlorofluoromethane (FREON 11)	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,2,4-Trimethylbenzene	mg/kg	N/A	N/A	N/A	<0.50	N/A	0.50	9385788
1,3,5-Trimethylbenzene	mg/kg	N/A	N/A	N/A	<0.50	N/A	0.50	9385788
Vinyl Chloride	mg/kg	N/A	N/A	N/A	<0.00030	N/A	0.00030	9385788
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	N/A	N/A	N/A	101	N/A	N/A	9385788
4-Bromofluorobenzene	%	N/A	N/A	N/A	97	N/A	N/A	9385788
D10-o-Xylene	%	N/A	N/A	N/A	99	N/A	N/A	9385788
D4-1,2-Dichloroethane	%	N/A	N/A	N/A	100	N/A	N/A	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD866	ZBD866	ZBD867	ZBD868	ZBD869		
Sampling Date		2024/05/01 13:05	2024/05/01 13:05	2024/05/01 13:06	2024/05/01 10:11	2024/05/01 10:12		
	UNITS	TP24-LK08 SS1	TP24-LK08 SS1 Lab-Dup	TP24-LK08 SS2	TP24-LK09 SS1	TP24-LK09 SS2	RDL	QC Batch

Inorganics								
Moisture	%	18	15	N/A	23	12	1.0	9375654
Physical Testing								
Moisture-Subcontracted	%	N/A	N/A	14	N/A	N/A	0.30	9385789
Volatile Organics								
Bromodichloromethane	mg/kg	N/A	N/A	<0.030	N/A	N/A	0.030	9385788
Bromoform	mg/kg	N/A	N/A	<0.050	N/A	N/A	0.050	9385788
Bromomethane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
Carbon Tetrachloride	mg/kg	N/A	N/A	<0.00050	N/A	N/A	0.00050	9385788
Chlorobenzene	mg/kg	N/A	N/A	<0.0050	N/A	N/A	0.0050	9385788
Dibromochloromethane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
Chloroethane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
Chloroform	mg/kg	N/A	N/A	<0.010	N/A	N/A	0.010	9385788
Chloromethane	mg/kg	N/A	N/A	<0.030	N/A	N/A	0.030	9385788
Ethylene Dibromide	mg/kg	N/A	N/A	<0.0020	N/A	N/A	0.0020	9385788
1,2-Dichlorobenzene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,3-Dichlorobenzene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,4-Dichlorobenzene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,1-Dichloroethane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,2-Dichloroethane	mg/kg	N/A	N/A	<0.0020	N/A	N/A	0.0020	9385788
1,1-Dichloroethene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
cis-1,2-Dichloroethene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
trans-1,2-Dichloroethene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
Methylene Chloride(Dichloromethane)	mg/kg	N/A	N/A	<0.030	N/A	N/A	0.030	9385788
1,2-Dichloropropane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
cis-1,3-Dichloropropene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
trans-1,3-Dichloropropene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
Methyl methacrylate	mg/kg	N/A	N/A	<0.040	N/A	N/A	0.040	9385788
Methyl t-butyl ether (MTBE)	mg/kg	N/A	N/A	<0.030	N/A	N/A	0.030	9385788
Styrene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,1,1,2-Tetrachloroethane	mg/kg	N/A	N/A	<0.050	N/A	N/A	0.050	9385788
1,1,1,2,2-Tetrachloroethane	mg/kg	N/A	N/A	<0.050	N/A	N/A	0.050	9385788

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD866	ZBD866	ZBD867	ZBD868	ZBD869		
Sampling Date		2024/05/01 13:05	2024/05/01 13:05	2024/05/01 13:06	2024/05/01 10:11	2024/05/01 10:12		
	UNITS	TP24-LK08 SS1	TP24-LK08 SS1 Lab-Dup	TP24-LK08 SS2	TP24-LK09 SS1	TP24-LK09 SS2	RDL	QC Batch
Tetrachloroethylene	mg/kg	N/A	N/A	<0.010	N/A	N/A	0.010	9385788
1,2,3-Trichlorobenzene	mg/kg	N/A	N/A	<0.040	N/A	N/A	0.040	9385788
1,2,4-Trichlorobenzene	mg/kg	N/A	N/A	<0.040	N/A	N/A	0.040	9385788
1,3,5-Trichlorobenzene	mg/kg	N/A	N/A	<0.040	N/A	N/A	0.040	9385788
1,1,1-Trichloroethane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,1,2-Trichloroethane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
Trichloroethylene	mg/kg	N/A	N/A	<0.0010	N/A	N/A	0.0010	9385788
Trichlorofluoromethane (FREON 11)	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,2,4-Trimethylbenzene	mg/kg	N/A	N/A	<0.50	N/A	N/A	0.50	9385788
1,3,5-Trimethylbenzene	mg/kg	N/A	N/A	<0.50	N/A	N/A	0.50	9385788
Vinyl Chloride	mg/kg	N/A	N/A	<0.00030	N/A	N/A	0.00030	9385788
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	N/A	N/A	102	N/A	N/A	N/A	9385788
4-Bromofluorobenzene	%	N/A	N/A	97	N/A	N/A	N/A	9385788
D10-o-Xylene	%	N/A	N/A	99	N/A	N/A	N/A	9385788
D4-1,2-Dichloroethane	%	N/A	N/A	103	N/A	N/A	N/A	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD870	ZBD873		ZBD874	ZBD876		
Sampling Date		2024/05/01 10:27	2024/05/01 10:48		2024/05/01 13:47	2024/05/01 09:22		
	UNITS	TP24-LK10 SS1	TP24-LK11 SS2	QC Batch	TP24-LK12 SS1	TP24-LK13 SS1	RDL	QC Batch
Inorganics								
Moisture	%	19	12	9375654	15	16	1.0	9375654
Physical Testing								
Moisture-Subcontracted	%	N/A	N/A	9385789	14	N/A	0.30	9385787
Volatile Organics								
Bromodichloromethane	mg/kg	N/A	N/A	9385788	<0.030	N/A	0.030	9385788
Bromoform	mg/kg	N/A	N/A	9385788	<0.050	N/A	0.050	9385788
Bromomethane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
Carbon Tetrachloride	mg/kg	N/A	N/A	9385788	<0.00050	N/A	0.00050	9385788
Chlorobenzene	mg/kg	N/A	N/A	9385788	<0.0050	N/A	0.0050	9385788
Dibromochloromethane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
Chloroethane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
Chloroform	mg/kg	N/A	N/A	9385788	<0.010	N/A	0.010	9385788
Chloromethane	mg/kg	N/A	N/A	9385788	<0.030	N/A	0.030	9385788
Ethylene Dibromide	mg/kg	N/A	N/A	9385788	<0.0020	N/A	0.0020	9385788
1,2-Dichlorobenzene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,3-Dichlorobenzene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,4-Dichlorobenzene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,1-Dichloroethane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,2-Dichloroethane	mg/kg	N/A	N/A	9385788	<0.0020	N/A	0.0020	9385788
1,1-Dichloroethene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
cis-1,2-Dichloroethene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
trans-1,2-Dichloroethene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
Methylene Chloride(Dichloromethane)	mg/kg	N/A	N/A	9385788	<0.030	N/A	0.030	9385788
1,2-Dichloropropane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
cis-1,3-Dichloropropene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
trans-1,3-Dichloropropene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
Methyl methacrylate	mg/kg	N/A	N/A	9385788	<0.040	N/A	0.040	9385788
Methyl t-butyl ether (MTBE)	mg/kg	N/A	N/A	9385788	<0.030	N/A	0.030	9385788
Styrene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,1,1,2-Tetrachloroethane	mg/kg	N/A	N/A	9385788	<0.050	N/A	0.050	9385788
1,1,2,2-Tetrachloroethane	mg/kg	N/A	N/A	9385788	<0.050	N/A	0.050	9385788
Tetrachloroethylene	mg/kg	N/A	N/A	9385788	<0.010	N/A	0.010	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								



BUREAU VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD870	ZBD873		ZBD874	ZBD876		
Sampling Date		2024/05/01 10:27	2024/05/01 10:48		2024/05/01 13:47	2024/05/01 09:22		
	UNITS	TP24-LK10 SS1	TP24-LK11 SS2	QC Batch	TP24-LK12 SS1	TP24-LK13 SS1	RDL	QC Batch
1,2,3-Trichlorobenzene	mg/kg	N/A	N/A	9385788	<0.040	N/A	0.040	9385788
1,2,4-Trichlorobenzene	mg/kg	N/A	N/A	9385788	<0.040	N/A	0.040	9385788
1,3,5-Trichlorobenzene	mg/kg	N/A	N/A	9385788	<0.040	N/A	0.040	9385788
1,1,1-Trichloroethane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,1,2-Trichloroethane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
Trichloroethylene	mg/kg	N/A	N/A	9385788	<0.0010	N/A	0.0010	9385788
Trichlorofluoromethane (FREON 11)	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,2,4-Trimethylbenzene	mg/kg	N/A	N/A	9385788	<0.50	N/A	0.50	9385788
1,3,5-Trimethylbenzene	mg/kg	N/A	N/A	9385788	<0.50	N/A	0.50	9385788
Vinyl Chloride	mg/kg	N/A	N/A	9385788	<0.00030	N/A	0.00030	9385788
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	N/A	N/A	9385788	100	N/A	N/A	9385788
4-Bromofluorobenzene	%	N/A	N/A	9385788	100	N/A	N/A	9385788
D10-o-Xylene	%	N/A	N/A	9385788	94	N/A	N/A	9385788
D4-1,2-Dichloroethane	%	N/A	N/A	9385788	104	N/A	N/A	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								

Bureau Veritas ID		ZBD878	ZBD879	ZBD880	ZBD881		
Sampling Date		2024/05/01 09:36	2024/05/01 09:37	2024/05/01 09:56	2024/05/01 09:57		
	UNITS	TP24-LK14 SS1	TP24-LK14 SS2	TP24-LK15 SS1	TP24-LK15 SS2	RDL	QC Batch
Inorganics							
Moisture	%	16	12	13	12	1.0	9375654
RDL = Reportable Detection Limit QC Batch = Quality Control Batch							



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD882	ZBD883		ZBD885		
Sampling Date		2024/05/01	2024/05/01		2024/05/01		
	UNITS	TP24-LK-DUP1 SS1	TP24-LK-DUP2 SS1	QC Batch	TP24-LK-DUP4 SS1	RDL	QC Batch

Inorganics							
Moisture	%	13	15	9375654	N/A	1.0	9375654
Physical Testing							
Moisture-Subcontracted	%	N/A	N/A	9385787	13	0.30	9385789
Volatile Organics							
Bromodichloromethane	mg/kg	N/A	N/A	9385788	<0.030	0.030	9385788
Bromoform	mg/kg	N/A	N/A	9385788	<0.050	0.050	9385788
Bromomethane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
Carbon Tetrachloride	mg/kg	N/A	N/A	9385788	<0.00050	0.00050	9385788
Chlorobenzene	mg/kg	N/A	N/A	9385788	<0.0050	0.0050	9385788
Dibromochloromethane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
Chloroethane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
Chloroform	mg/kg	N/A	N/A	9385788	<0.010	0.010	9385788
Chloromethane	mg/kg	N/A	N/A	9385788	<0.030	0.030	9385788
Ethylene Dibromide	mg/kg	N/A	N/A	9385788	<0.0020	0.0020	9385788
1,2-Dichlorobenzene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,3-Dichlorobenzene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,4-Dichlorobenzene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,1-Dichloroethane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,2-Dichloroethane	mg/kg	N/A	N/A	9385788	<0.0020	0.0020	9385788
1,1-Dichloroethene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
cis-1,2-Dichloroethene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
trans-1,2-Dichloroethene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
Methylene Chloride(Dichloromethane)	mg/kg	N/A	N/A	9385788	<0.030	0.030	9385788
1,2-Dichloropropane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
cis-1,3-Dichloropropene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
trans-1,3-Dichloropropene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
Methyl methacrylate	mg/kg	N/A	N/A	9385788	<0.040	0.040	9385788
Methyl t-butyl ether (MTBE)	mg/kg	N/A	N/A	9385788	<0.030	0.030	9385788
Styrene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,1,1,2-Tetrachloroethane	mg/kg	N/A	N/A	9385788	<0.050	0.050	9385788
1,1,2,2-Tetrachloroethane	mg/kg	N/A	N/A	9385788	<0.050	0.050	9385788
Tetrachloroethylene	mg/kg	N/A	N/A	9385788	<0.010	0.010	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable							



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD882	ZBD883		ZBD885		
Sampling Date		2024/05/01	2024/05/01		2024/05/01		
	UNITS	TP24-LK-DUP1 SS1	TP24-LK-DUP2 SS1	QC Batch	TP24-LK-DUP4 SS1	RDL	QC Batch
1,2,3-Trichlorobenzene	mg/kg	N/A	N/A	9385788	<0.040	0.040	9385788
1,2,4-Trichlorobenzene	mg/kg	N/A	N/A	9385788	<0.040	0.040	9385788
1,3,5-Trichlorobenzene	mg/kg	N/A	N/A	9385788	<0.040	0.040	9385788
1,1,1-Trichloroethane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,1,2-Trichloroethane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
Trichloroethylene	mg/kg	N/A	N/A	9385788	0.0017	0.0010	9385788
Trichlorofluoromethane (FREON 11)	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,2,4-Trimethylbenzene	mg/kg	N/A	N/A	9385788	<0.50	0.50	9385788
1,3,5-Trimethylbenzene	mg/kg	N/A	N/A	9385788	<0.50	0.50	9385788
Vinyl Chloride	mg/kg	N/A	N/A	9385788	<0.00030	0.00030	9385788
Surrogate Recovery (%)							
1,4-Difluorobenzene	%	N/A	N/A	9385788	100	N/A	9385788
4-Bromofluorobenzene	%	N/A	N/A	9385788	99	N/A	9385788
D10-o-Xylene	%	N/A	N/A	9385788	98	N/A	9385788
D4-1,2-Dichloroethane	%	N/A	N/A	9385788	102	N/A	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable							



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ZBD851	ZBD857	ZBD857	ZBD858	ZBD860		
Sampling Date		2024/05/01 11:27	2024/05/01 12:50	2024/05/01 12:50	2024/05/01 11:45	2024/05/01 11:05		
	UNITS	TP24-LK02 SS1	TP24-LK03 SS2	TP24-LK03 SS2 Lab-Dup	TP24-LK04 SS1	TP24-LK05 SS1	RDL	QC Batch

Metals								
Acid Extractable Aluminum (Al)	mg/kg	7000	15000	15000	6300	2300	10	9379686
Acid Extractable Antimony (Sb)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9379686
Acid Extractable Arsenic (As)	mg/kg	3.9	9.2	9.3	3.6	<2.0	2.0	9379686
Acid Extractable Barium (Ba)	mg/kg	20	150	160	14	10	5.0	9379686
Acid Extractable Beryllium (Be)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9379686
Acid Extractable Bismuth (Bi)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9379686
Acid Extractable Boron (B)	mg/kg	<50	<50	<50	<50	<50	50	9379686
Acid Extractable Cadmium (Cd)	mg/kg	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	9379686
Acid Extractable Chromium (Cr)	mg/kg	9.4	23	24	6.9	2.3	2.0	9379686
Acid Extractable Cobalt (Co)	mg/kg	2.8	12	12	1.7	<1.0	1.0	9379686
Acid Extractable Copper (Cu)	mg/kg	4.4	22	22	2.5	<2.0	2.0	9379686
Acid Extractable Iron (Fe)	mg/kg	14000	30000	30000	9900	2300	50	9379686
Acid Extractable Lead (Pb)	mg/kg	8.7	17	17	6.5	4.1	0.50	9379686
Acid Extractable Lithium (Li)	mg/kg	9.5	29	30	8.0	<2.0	2.0	9379686
Acid Extractable Manganese (Mn)	mg/kg	120	700	720	85	38	2.0	9379686
Acid Extractable Mercury (Hg)	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	9379686
Acid Extractable Molybdenum (Mo)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9379686
Acid Extractable Nickel (Ni)	mg/kg	7.9	30	30	5.0	<2.0	2.0	9379686
Acid Extractable Rubidium (Rb)	mg/kg	6.8	14	14	7.0	3.7	2.0	9379686
Acid Extractable Selenium (Se)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9379686
Acid Extractable Silver (Ag)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9379686
Acid Extractable Strontium (Sr)	mg/kg	6.2	15	16	5.1	<5.0	5.0	9379686
Acid Extractable Thallium (Tl)	mg/kg	<0.10	0.11	0.12	<0.10	<0.10	0.10	9379686
Acid Extractable Tin (Sn)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9379686
Acid Extractable Uranium (U)	mg/kg	0.29	0.66	0.68	0.28	0.20	0.10	9379686
Acid Extractable Vanadium (V)	mg/kg	16	24	25	18	5.6	2.0	9379686
Acid Extractable Zinc (Zn)	mg/kg	25	66	66	18	12	5.0	9379686

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



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ZBD862		ZBD865	ZBD868	ZBD871	ZBD872		
Sampling Date		2024/05/01 13:33		2024/05/01 13:18	2024/05/01 10:11	2024/05/01 10:28	2024/05/01 10:47		
	UNITS	TP24-LK06 SS1	QC Batch	TP24-LK07 SS2	TP24-LK09 SS1	TP24-LK10 SS2	TP24-LK11 SS1	RDL	QC Batch

Metals									
Acid Extractable Aluminum (Al)	mg/kg	11000	9379686	11000	10000	13000	8600	10	9377261
Acid Extractable Antimony (Sb)	mg/kg	<2.0	9379686	<2.0	<2.0	<2.0	<2.0	2.0	9377261
Acid Extractable Arsenic (As)	mg/kg	11	9379686	9.8	6.4	10	5.5	2.0	9377261
Acid Extractable Barium (Ba)	mg/kg	51	9379686	120	42	160	35	5.0	9377261
Acid Extractable Beryllium (Be)	mg/kg	<1.0	9379686	<1.0	<1.0	<1.0	<1.0	1.0	9377261
Acid Extractable Bismuth (Bi)	mg/kg	<2.0	9379686	<2.0	<2.0	<2.0	<2.0	2.0	9377261
Acid Extractable Boron (B)	mg/kg	<50	9379686	<50	<50	<50	<50	50	9377261
Acid Extractable Cadmium (Cd)	mg/kg	<0.30	9379686	<0.30	<0.30	<0.30	<0.30	0.30	9377261
Acid Extractable Chromium (Cr)	mg/kg	16	9379686	19	14	21	11	2.0	9377261
Acid Extractable Cobalt (Co)	mg/kg	9.5	9379686	11	5.7	13	3.9	1.0	9377261
Acid Extractable Copper (Cu)	mg/kg	23	9379686	18	8.3	21	6.4	2.0	9377261
Acid Extractable Iron (Fe)	mg/kg	20000	9379686	25000	22000	29000	13000	50	9377261
Acid Extractable Lead (Pb)	mg/kg	14	9379686	13	11	15	11	0.50	9377261
Acid Extractable Lithium (Li)	mg/kg	19	9379686	21	15	26	11	2.0	9377261
Acid Extractable Manganese (Mn)	mg/kg	660	9379686	770	340	880	190	2.0	9377261
Acid Extractable Mercury (Hg)	mg/kg	<0.10	9379686	<0.10	<0.10	<0.10	<0.10	0.10	9377261
Acid Extractable Molybdenum (Mo)	mg/kg	<2.0	9379686	<2.0	<2.0	<2.0	<2.0	2.0	9377261
Acid Extractable Nickel (Ni)	mg/kg	19	9379686	24	12	27	9.3	2.0	9377261
Acid Extractable Rubidium (Rb)	mg/kg	7.5	9379686	11	11	13	8.7	2.0	9377261
Acid Extractable Selenium (Se)	mg/kg	<0.50	9379686	<0.50	<0.50	<0.50	<0.50	0.50	9377261
Acid Extractable Silver (Ag)	mg/kg	<0.50	9379686	<0.50	<0.50	<0.50	<0.50	0.50	9377261
Acid Extractable Strontium (Sr)	mg/kg	9.9	9379686	12	5.8	23	5.6	5.0	9377261
Acid Extractable Thallium (Tl)	mg/kg	<0.10	9379686	<0.10	<0.10	0.11	<0.10	0.10	9377261
Acid Extractable Tin (Sn)	mg/kg	<1.0	9379686	<1.0	<1.0	<1.0	<1.0	1.0	9377261
Acid Extractable Uranium (U)	mg/kg	0.53	9379686	0.64	0.46	0.79	0.41	0.10	9377261
Acid Extractable Vanadium (V)	mg/kg	17	9379686	20	24	22	20	2.0	9377261
Acid Extractable Zinc (Zn)	mg/kg	46	9379686	54	33	61	34	5.0	9377261

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ZBD875	ZBD877	ZBD878	ZBD880	ZBD884		
Sampling Date		2024/05/01 13:48	2024/05/01 09:23	2024/05/01 09:36	2024/05/01 09:56	2024/05/01		
	UNITS	TP24-LK12 SS2	TP24-LK13 SS2	TP24-LK14 SS1	TP24-LK15 SS1	TP24-LK-DUP3 SS1	RDL	QC Batch

Metals								
Acid Extractable Aluminum (Al)	mg/kg	15000	13000	9500	13000	1900	10	9377261
Acid Extractable Antimony (Sb)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9377261
Acid Extractable Arsenic (As)	mg/kg	10	10	6.3	8.1	<2.0	2.0	9377261
Acid Extractable Barium (Ba)	mg/kg	180	140	22	35	7.9	5.0	9377261
Acid Extractable Beryllium (Be)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9377261
Acid Extractable Bismuth (Bi)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9377261
Acid Extractable Boron (B)	mg/kg	<50	<50	<50	<50	<50	50	9377261
Acid Extractable Cadmium (Cd)	mg/kg	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	9377261
Acid Extractable Chromium (Cr)	mg/kg	24	21	15	19	<2.0	2.0	9377261
Acid Extractable Cobalt (Co)	mg/kg	15	13	5.8	9.9	<1.0	1.0	9377261
Acid Extractable Copper (Cu)	mg/kg	22	19	7.8	15	<2.0	2.0	9377261
Acid Extractable Iron (Fe)	mg/kg	31000	28000	22000	25000	1400	50	9377261
Acid Extractable Lead (Pb)	mg/kg	18	15	11	13	3.5	0.50	9377261
Acid Extractable Lithium (Li)	mg/kg	28	25	17	22	<2.0	2.0	9377261
Acid Extractable Manganese (Mn)	mg/kg	890	700	310	560	29	2.0	9377261
Acid Extractable Mercury (Hg)	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	9377261
Acid Extractable Molybdenum (Mo)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9377261
Acid Extractable Nickel (Ni)	mg/kg	32	28	13	19	<2.0	2.0	9377261
Acid Extractable Rubidium (Rb)	mg/kg	14	13	6.7	8.7	4.0	2.0	9377261
Acid Extractable Selenium (Se)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9377261
Acid Extractable Silver (Ag)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9377261
Acid Extractable Strontium (Sr)	mg/kg	15	13	<5.0	<5.0	<5.0	5.0	9377261
Acid Extractable Thallium (Tl)	mg/kg	0.11	0.11	<0.10	<0.10	<0.10	0.10	9377261
Acid Extractable Tin (Sn)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9377261
Acid Extractable Uranium (U)	mg/kg	0.69	0.69	0.47	0.76	0.21	0.10	9377261
Acid Extractable Vanadium (V)	mg/kg	25	22	18	21	4.9	2.0	9377261
Acid Extractable Zinc (Zn)	mg/kg	64	60	31	43	6.4	5.0	9377261

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Bureau Veritas ID		ZBD851	ZBD856	ZBD859	ZBD860	ZBD863	ZBD864		
Sampling Date		2024/05/01 11:27	2024/05/01 12:49	2024/05/01 11:46	2024/05/01 11:05	2024/05/01 13:34	2024/05/01 13:17		
	UNITS	TP24-LK02 SS1	TP24-LK03 SS1	TP24-LK04 SS2	TP24-LK05 SS1	TP24-LK06 SS2	TP24-LK07 SS1	RDL	QC Batch

Polyaromatic Hydrocarbons									
1-Methylnaphthalene	mg/kg	<0.010	0.60	<0.010	<0.010	<0.010	0.023	0.010	9377191
2-Methylnaphthalene	mg/kg	<0.010	0.64	<0.010	<0.010	<0.010	0.027	0.010	9377191
Acenaphthene	mg/kg	<0.010	2.3	<0.010	<0.010	<0.010	0.13	0.010	9377191
Acenaphthylene	mg/kg	<0.010	0.017	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Anthracene	mg/kg	<0.010	4.4	<0.010	<0.010	<0.010	0.26	0.010	9377191
Benzo(a)anthracene	mg/kg	<0.010	9.0	<0.010	<0.010	<0.010	0.34	0.010	9377191
Benzo(a)pyrene	mg/kg	<0.010	6.9	<0.010	<0.010	<0.010	0.24	0.010	9377191
Benzo(b)fluoranthene	mg/kg	<0.010	5.0	<0.010	<0.010	<0.010	0.19	0.010	9377191
Benzo(b,j)fluoranthene	mg/kg	<0.020	8.2	<0.020	<0.020	<0.020	0.31	0.020	9371509
Benzo(g,h,i)perylene	mg/kg	<0.010	3.1	<0.010	<0.010	<0.010	0.11	0.010	9377191
Benzo(j)fluoranthene	mg/kg	<0.010	3.2	<0.010	<0.010	<0.010	0.13	0.010	9377191
Benzo(k)fluoranthene	mg/kg	<0.010	3.2	<0.010	<0.010	<0.010	0.13	0.010	9377191
Chrysene	mg/kg	<0.010	9.2	<0.010	<0.010	<0.010	0.38	0.010	9377191
Dibenzo(a,h)anthracene	mg/kg	<0.010	1.1	<0.010	<0.010	<0.010	0.036	0.010	9377191
Fluoranthene	mg/kg	<0.010	14	<0.010	<0.010	<0.010	0.76	0.010	9377191
Fluorene	mg/kg	<0.010	2.6	<0.010	<0.010	<0.010	0.16	0.010	9377191
Indeno(1,2,3-cd)pyrene	mg/kg	<0.010	2.8	<0.010	<0.010	<0.010	0.099	0.010	9377191
Naphthalene	mg/kg	<0.010	0.56	<0.010	<0.010	<0.010	0.023	0.010	9377191
Perylene	mg/kg	<0.010	1.3	<0.010	<0.010	<0.010	0.048	0.010	9377191
Phenanthrene	mg/kg	<0.010	13	<0.010	<0.010	<0.010	0.94	0.010	9377191
Pyrene	mg/kg	<0.010	13	<0.010	<0.010	<0.010	0.60	0.010	9377191

Surrogate Recovery (%)									
D10-Anthracene	%	101	91	96	101	101	93	N/A	9377191
D14-Terphenyl (FS)	%	99	92	96	100	99	94	N/A	9377191
D8-Acenaphthylene	%	96	89	94	100	98	95	N/A	9377191

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



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Bureau Veritas ID		ZBD866	ZBD868	ZBD870	ZBD873	ZBD873	ZBD876		
Sampling Date		2024/05/01 13:05	2024/05/01 10:11	2024/05/01 10:27	2024/05/01 10:48	2024/05/01 10:48	2024/05/01 09:22		
	UNITS	TP24-LK08 SS1	TP24-LK09 SS1	TP24-LK10 SS1	TP24-LK11 SS2	TP24-LK11 SS2 Lab-Dup	TP24-LK13 SS1	RDL	QC Batch

Polyaromatic Hydrocarbons									
1-Methylnaphthalene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
2-Methylnaphthalene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Acenaphthene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Acenaphthylene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Anthracene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(a)anthracene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(a)pyrene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(b)fluoranthene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(b/j)fluoranthene	mg/kg	<0.020	<0.020	<0.020	<0.020	N/A	<0.020	0.020	9371509
Benzo(g,h,i)perylene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(j)fluoranthene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(k)fluoranthene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Chrysene	mg/kg	0.012	<0.010	<0.010	<0.010	<0.010	0.015	0.010	9377191
Dibenzo(a,h)anthracene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Fluoranthene	mg/kg	0.025	<0.010	<0.010	<0.010	<0.010	0.030	0.010	9377191
Fluorene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Indeno(1,2,3-cd)pyrene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Naphthalene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Perylene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Phenanthrene	mg/kg	0.029	<0.010	<0.010	<0.010	<0.010	0.013	0.010	9377191
Pyrene	mg/kg	0.020	<0.010	<0.010	<0.010	<0.010	0.022	0.010	9377191

Surrogate Recovery (%)									
D10-Anthracene	%	96	97	97	98	95	99	N/A	9377191
D14-Terphenyl (FS)	%	95	96	98	99	97	102	N/A	9377191
D8-Acenaphthylene	%	96	92	94	97	93	94	N/A	9377191

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Bureau Veritas ID		ZBD879	ZBD880	ZBD882		
Sampling Date		2024/05/01 09:37	2024/05/01 09:56	2024/05/01		
	UNITS	TP24-LK14 SS2	TP24-LK15 SS1	TP24-LK-DUP1 SS1	RDL	QC Batch
Polyaromatic Hydrocarbons						
1-Methylnaphthalene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
2-Methylnaphthalene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Acenaphthene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Acenaphthylene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Anthracene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Benzo(a)anthracene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Benzo(a)pyrene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Benzo(b)fluoranthene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Benzo(b/j)fluoranthene	mg/kg	<0.020	<0.020	<0.020	0.020	9371509
Benzo(g,h,i)perylene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Benzo(j)fluoranthene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Benzo(k)fluoranthene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Chrysene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Dibenzo(a,h)anthracene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Fluoranthene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Fluorene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Indeno(1,2,3-cd)pyrene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Naphthalene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Perylene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Phenanthrene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Pyrene	mg/kg	<0.010	<0.010	<0.010	0.010	9377191
Surrogate Recovery (%)						
D10-Anthracene	%	94	95	89	N/A	9377191
D14-Terphenyl (FS)	%	97	100	93	N/A	9377191
D8-Acenaphthylene	%	90	94	86	N/A	9377191
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable						



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD851
Sample ID: TP24-LK02 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/07	Hiroyuki Inamura
ModTPH (T1) Calc. for Soil	CALC	9371579	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9375550	N/A	2024/05/06	Abhinand Mohanakumaran Nair Sreekala

Bureau Veritas ID: ZBD852
Sample ID: TP24-LK02 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture (Subcontracted)	BAL	9385787	N/A	2024/05/09	Ashley Henderson
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9385788	N/A	2024/05/06	Yanglin (Grace) Pan
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371579	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9375550	N/A	2024/05/06	Abhinand Mohanakumaran Nair Sreekala

Bureau Veritas ID: ZBD856
Sample ID: TP24-LK03 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture (Subcontracted)	BAL	9385787	N/A	2024/05/09	Ashley Henderson
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9385788	N/A	2024/05/06	Yanglin (Grace) Pan
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/07	Hiroyuki Inamura
VPH in Soil (PIRI)	PTGC/MS	9377416	2024/05/06	2024/05/07	Abhinand Mohanakumaran Nair Sreekala
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD857
Sample ID: TP24-LK03 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBD857 Dup
Sample ID: TP24-LK03 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBD858
Sample ID: TP24-LK04 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD859
Sample ID: TP24-LK04 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura

Bureau Veritas ID: ZBD860
Sample ID: TP24-LK05 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD861
Sample ID: TP24-LK05 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD862
Sample ID: TP24-LK06 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD863
Sample ID: TP24-LK06 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Moisture (Subcontracted)	BAL	9385787	N/A	2024/05/09	Ashley Henderson
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9385788	N/A	2024/05/06	Yanglin (Grace) Pan
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura

Bureau Veritas ID: ZBD864
Sample ID: TP24-LK07 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD865
Sample ID: TP24-LK07 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur

Bureau Veritas ID: ZBD866
Sample ID: TP24-LK08 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD866 Dup
Sample ID: TP24-LK08 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev

Bureau Veritas ID: ZBD867
Sample ID: TP24-LK08 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture (Subcontracted)	BAL	9385789	N/A	2024/05/06	Jessica Legg
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9385788	N/A	2024/05/06	Yanglin (Grace) Pan

Bureau Veritas ID: ZBD868
Sample ID: TP24-LK09 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD869
Sample ID: TP24-LK09 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD870
Sample ID: TP24-LK10 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD870 Dup
Sample ID: TP24-LK10 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam

Bureau Veritas ID: ZBD871
Sample ID: TP24-LK10 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur

Bureau Veritas ID: ZBD872
Sample ID: TP24-LK11 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD873
Sample ID: TP24-LK11 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/07	Hiroyuki Inamura

Bureau Veritas ID: ZBD873 Dup
Sample ID: TP24-LK11 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/07	Hiroyuki Inamura

Bureau Veritas ID: ZBD874
Sample ID: TP24-LK12 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture (Subcontracted)	BAL	9385787	N/A	2024/05/09	Ashley Henderson
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9385788	N/A	2024/05/06	Yanglin (Grace) Pan
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD875
Sample ID: TP24-LK12 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur

Bureau Veritas ID: ZBD876
Sample ID: TP24-LK13 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD877
Sample ID: TP24-LK13 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur

Bureau Veritas ID: ZBD878
Sample ID: TP24-LK14 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD879
Sample ID: TP24-LK14 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura

Bureau Veritas ID: ZBD880
Sample ID: TP24-LK15 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura

Bureau Veritas ID: ZBD881
Sample ID: TP24-LK15 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD882
Sample ID: TP24-LK-DUP1 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura

Bureau Veritas ID: ZBD883
Sample ID: TP24-LK-DUP2 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD884
Sample ID: TP24-LK-DUP3 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur

Bureau Veritas ID: ZBD885
Sample ID: TP24-LK-DUP4 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture (Subcontracted)	BAL	9385789	N/A	2024/05/06	Jessica Legg
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9385788	N/A	2024/05/06	Yanglin (Grace) Pan



GENERAL COMMENTS

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

Package 1	4.0°C
Package 2	5.0°C

Sample ZBD858 [TP24-LK04 SS1] : One or more of the pre-weighed sample vials in the order had an extra label attached. To determine the original vial weight used in calculating the sample weight, the weight of any extra labels was approximated using the weight of a label similar to the extra label attached.

Sample ZBD861 [TP24-LK05 SS2] : One or more of the pre-weighed sample vials in the order had an extra label attached. To determine the original vial weight used in calculating the sample weight, the weight of any extra labels was approximated using the weight of a label similar to the extra label attached.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/10

QUALITY ASSURANCE REPORT

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9375550	Isobutylbenzene - Volatile	2024/05/06	95	60 - 130	96	60 - 130	97	%		
9376949	Isobutylbenzene - Volatile	2024/05/07	96	60 - 130	95	60 - 130	99	%		
9377191	D10-Anthracene	2024/05/07	98	50 - 130	95	50 - 130	100	%		
9377191	D14-Terphenyl (FS)	2024/05/07	97	50 - 130	95	50 - 130	98	%		
9377191	D8-Acenaphthylene	2024/05/07	97	50 - 130	96	50 - 130	97	%		
9377416	Isobutylbenzene - Volatile	2024/05/07	96	60 - 130	92	60 - 130	104	%		
9377570	Isobutylbenzene - Extractable	2024/05/07	100	60 - 130	109	60 - 130	99	%		
9377570	n-Dotriacontane - Extractable	2024/05/07	87	60 - 130	89	60 - 130	87	%		
9380369	4-Bromofluorobenzene	2024/05/09	91	60 - 140	100	60 - 140	99	%		
9380369	D10-o-Xylene	2024/05/09	107	60 - 130	105	60 - 130	89	%		
9380369	D4-1,2-Dichloroethane	2024/05/09	90	60 - 140	98	60 - 140	93	%		
9380369	D8-Toluene	2024/05/09	100	60 - 140	103	60 - 140	93	%		
9382368	o-Terphenyl	2024/05/09	94	60 - 130	90	60 - 130	86	%		
9385788	1,4-Difluorobenzene	2024/05/06	101	50 - 140	100	50 - 140	100	%		
9385788	4-Bromofluorobenzene	2024/05/06	87	50 - 140	98	50 - 140	93	%		
9385788	D10-o-Xylene	2024/05/06	111	50 - 140	91	50 - 140	105	%		
9385788	D4-1,2-Dichloroethane	2024/05/06	101	50 - 140	100	50 - 140	101	%		
9375129	Moisture	2024/05/07							6.6	25
9375550	Benzene	2024/05/06	113	60 - 130	110	60 - 140	<0.0050	mg/kg	NC	50
9375550	C6 - C10 (less BTEX)	2024/05/06					<2.5	mg/kg	NC	50
9375550	Ethylbenzene	2024/05/06	113	60 - 130	109	60 - 140	<0.010	mg/kg	NC	50
9375550	Toluene	2024/05/06	107	60 - 130	109	60 - 140	<0.050	mg/kg	NC	50
9375550	Total Xylenes	2024/05/06	110	60 - 130	110	60 - 140	<0.050	mg/kg	NC	50
9375654	Moisture	2024/05/07							20	25
9376949	Benzene	2024/05/07	89	60 - 130	96	60 - 140	<0.0050	mg/kg	NC	50
9376949	C6 - C10 (less BTEX)	2024/05/07					<2.5	mg/kg	NC	50
9376949	Ethylbenzene	2024/05/07	93	60 - 130	101	60 - 140	<0.010	mg/kg	NC	50
9376949	Toluene	2024/05/07	87	60 - 130	96	60 - 140	<0.050	mg/kg	NC	50
9376949	Total Xylenes	2024/05/07	92	60 - 130	101	60 - 140	<0.050	mg/kg	NC	50
9377191	1-Methylnaphthalene	2024/05/07	87	50 - 130	85	50 - 130	<0.010	mg/kg	NC	50
9377191	2-Methylnaphthalene	2024/05/07	91	50 - 130	90	50 - 130	<0.010	mg/kg	NC	50



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/10

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9377191	Acenaphthene	2024/05/07	89	50 - 130	87	50 - 130	<0.010	mg/kg	NC	50
9377191	Acenaphthylene	2024/05/07	88	50 - 130	87	50 - 130	<0.010	mg/kg	NC	50
9377191	Anthracene	2024/05/07	88	50 - 130	86	50 - 130	<0.010	mg/kg	NC	50
9377191	Benzo(a)anthracene	2024/05/07	84	50 - 130	82	50 - 130	<0.010	mg/kg	NC	50
9377191	Benzo(a)pyrene	2024/05/07	78	50 - 130	76	50 - 130	<0.010	mg/kg	NC	50
9377191	Benzo(b)fluoranthene	2024/05/07	83	50 - 130	81	50 - 130	<0.010	mg/kg	NC	50
9377191	Benzo(g,h,i)perylene	2024/05/07	75	50 - 130	74	50 - 130	<0.010	mg/kg	NC	50
9377191	Benzo(j)fluoranthene	2024/05/07	84	50 - 130	82	50 - 130	<0.010	mg/kg	NC	50
9377191	Benzo(k)fluoranthene	2024/05/07	86	50 - 130	82	50 - 130	<0.010	mg/kg	NC	50
9377191	Chrysene	2024/05/07	91	50 - 130	89	50 - 130	<0.010	mg/kg	NC	50
9377191	Dibenzo(a,h)anthracene	2024/05/07	77	50 - 130	74	50 - 130	<0.010	mg/kg	NC	50
9377191	Fluoranthene	2024/05/07	87	50 - 130	86	50 - 130	<0.010	mg/kg	NC	50
9377191	Fluorene	2024/05/07	88	50 - 130	86	50 - 130	<0.010	mg/kg	NC	50
9377191	Indeno(1,2,3-cd)pyrene	2024/05/07	74	50 - 130	71	50 - 130	<0.010	mg/kg	NC	50
9377191	Naphthalene	2024/05/07	86	50 - 130	84	50 - 130	<0.010	mg/kg	NC	50
9377191	Perylene	2024/05/07	73	50 - 130	72	50 - 130	<0.010	mg/kg	NC	50
9377191	Phenanthrene	2024/05/07	91	50 - 130	90	50 - 130	<0.010	mg/kg	NC	50
9377191	Pyrene	2024/05/07	85	50 - 130	83	50 - 130	<0.010	mg/kg	NC	50
9377261	Acid Extractable Aluminum (Al)	2024/05/07					<10	mg/kg	1.2	35
9377261	Acid Extractable Antimony (Sb)	2024/05/07	103	75 - 125	107	75 - 125	<2.0	mg/kg	NC	35
9377261	Acid Extractable Arsenic (As)	2024/05/07	99	75 - 125	100	75 - 125	<2.0	mg/kg	22	35
9377261	Acid Extractable Barium (Ba)	2024/05/07	102	75 - 125	97	75 - 125	<5.0	mg/kg	4.1	35
9377261	Acid Extractable Beryllium (Be)	2024/05/07	93	75 - 125	93	75 - 125	<1.0	mg/kg	NC	35
9377261	Acid Extractable Bismuth (Bi)	2024/05/07	104	75 - 125	101	75 - 125	<2.0	mg/kg	NC	35
9377261	Acid Extractable Boron (B)	2024/05/07	91	75 - 125	92	75 - 125	<50	mg/kg	NC	35
9377261	Acid Extractable Cadmium (Cd)	2024/05/07	106	75 - 125	103	75 - 125	<0.30	mg/kg	NC	35
9377261	Acid Extractable Chromium (Cr)	2024/05/07	98	75 - 125	100	75 - 125	<2.0	mg/kg	7.0	35
9377261	Acid Extractable Cobalt (Co)	2024/05/07	99	75 - 125	99	75 - 125	<1.0	mg/kg	1.5	35
9377261	Acid Extractable Copper (Cu)	2024/05/07	105	75 - 125	96	75 - 125	<2.0	mg/kg	0.58	35
9377261	Acid Extractable Iron (Fe)	2024/05/07					<50	mg/kg	3.1	35
9377261	Acid Extractable Lead (Pb)	2024/05/07	102	75 - 125	101	75 - 125	<0.50	mg/kg	12	35



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/10

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9377261	Acid Extractable Lithium (Li)	2024/05/07	101	75 - 125	98	75 - 125	<2.0	mg/kg	1.7	35
9377261	Acid Extractable Manganese (Mn)	2024/05/07	NC	75 - 125	99	75 - 125	<2.0	mg/kg	2.2	35
9377261	Acid Extractable Mercury (Hg)	2024/05/07	101	75 - 125	103	75 - 125	<0.10	mg/kg	NC	35
9377261	Acid Extractable Molybdenum (Mo)	2024/05/07	104	75 - 125	104	75 - 125	<2.0	mg/kg	NC	35
9377261	Acid Extractable Nickel (Ni)	2024/05/07	102	75 - 125	99	75 - 125	<2.0	mg/kg	1.8	35
9377261	Acid Extractable Rubidium (Rb)	2024/05/07	101	75 - 125	100	75 - 125	<2.0	mg/kg	3.2	35
9377261	Acid Extractable Selenium (Se)	2024/05/07	105	75 - 125	102	75 - 125	<0.50	mg/kg	NC	35
9377261	Acid Extractable Silver (Ag)	2024/05/07	106	75 - 125	101	75 - 125	<0.50	mg/kg	NC	35
9377261	Acid Extractable Strontium (Sr)	2024/05/07	108	75 - 125	103	75 - 125	<5.0	mg/kg	2.2	35
9377261	Acid Extractable Thallium (Tl)	2024/05/07	105	75 - 125	101	75 - 125	<0.10	mg/kg	10	35
9377261	Acid Extractable Tin (Sn)	2024/05/07	110	75 - 125	103	75 - 125	<1.0	mg/kg	NC	35
9377261	Acid Extractable Uranium (U)	2024/05/07	106	75 - 125	103	75 - 125	<0.10	mg/kg	3.9	35
9377261	Acid Extractable Vanadium (V)	2024/05/07	98	75 - 125	99	75 - 125	<2.0	mg/kg	3.6	35
9377261	Acid Extractable Zinc (Zn)	2024/05/07	106	75 - 125	101	75 - 125	<5.0	mg/kg	0.85	35
9377416	Benzene	2024/05/07	99	60 - 130	85	60 - 140	<0.0050	mg/kg	NC	50
9377416	C6 - C10 (less BTEX)	2024/05/07					<2.5	mg/kg	NC	50
9377416	Ethylbenzene	2024/05/07	96	60 - 130	80	60 - 140	<0.010	mg/kg	NC	50
9377416	Toluene	2024/05/07	92	60 - 130	82	60 - 140	<0.050	mg/kg	NC	50
9377416	Total Xylenes	2024/05/07	92	60 - 130	82	60 - 140	<0.050	mg/kg	NC	50
9377570	>C10-C16 Hydrocarbons	2024/05/07	95	30 - 130	104	60 - 130	<10	mg/kg	NC	50
9377570	>C16-C21 Hydrocarbons	2024/05/07	98	30 - 130	106	60 - 130	<10	mg/kg	NC	50
9377570	>C21-<C32 Hydrocarbons	2024/05/07	87	30 - 130	99	60 - 130	<15	mg/kg	NC	50
9379686	Acid Extractable Aluminum (Al)	2024/05/08					<10	mg/kg	4.7	35
9379686	Acid Extractable Antimony (Sb)	2024/05/08	88	75 - 125	100	75 - 125	<2.0	mg/kg	NC	35
9379686	Acid Extractable Arsenic (As)	2024/05/08	97	75 - 125	98	75 - 125	<2.0	mg/kg	0.49	35
9379686	Acid Extractable Barium (Ba)	2024/05/08	NC	75 - 125	98	75 - 125	<5.0	mg/kg	1.1	35
9379686	Acid Extractable Beryllium (Be)	2024/05/08	100	75 - 125	97	75 - 125	<1.0	mg/kg	NC	35
9379686	Acid Extractable Bismuth (Bi)	2024/05/08	99	75 - 125	99	75 - 125	<2.0	mg/kg	NC	35
9379686	Acid Extractable Boron (B)	2024/05/08	87	75 - 125	97	75 - 125	<50	mg/kg	NC	35
9379686	Acid Extractable Cadmium (Cd)	2024/05/08	100	75 - 125	99	75 - 125	<0.30	mg/kg	NC	35
9379686	Acid Extractable Chromium (Cr)	2024/05/08	100	75 - 125	99	75 - 125	<2.0	mg/kg	1.3	35



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/10

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9379686	Acid Extractable Cobalt (Co)	2024/05/08	98	75 - 125	99	75 - 125	<1.0	mg/kg	1.3	35
9379686	Acid Extractable Copper (Cu)	2024/05/08	97	75 - 125	98	75 - 125	<2.0	mg/kg	2.2	35
9379686	Acid Extractable Iron (Fe)	2024/05/08					<50	mg/kg	0.23	35
9379686	Acid Extractable Lead (Pb)	2024/05/08	102	75 - 125	98	75 - 125	<0.50	mg/kg	5.4	35
9379686	Acid Extractable Lithium (Li)	2024/05/08	104	75 - 125	99	75 - 125	<2.0	mg/kg	4.1	35
9379686	Acid Extractable Manganese (Mn)	2024/05/08	NC	75 - 125	99	75 - 125	<2.0	mg/kg	2.5	35
9379686	Acid Extractable Mercury (Hg)	2024/05/08	102	75 - 125	102	75 - 125	<0.10	mg/kg	NC	35
9379686	Acid Extractable Molybdenum (Mo)	2024/05/08	98	75 - 125	105	75 - 125	<2.0	mg/kg	NC	35
9379686	Acid Extractable Nickel (Ni)	2024/05/08	96	75 - 125	100	75 - 125	<2.0	mg/kg	1.0	35
9379686	Acid Extractable Rubidium (Rb)	2024/05/08	93	75 - 125	100	75 - 125	<2.0	mg/kg	3.3	35
9379686	Acid Extractable Selenium (Se)	2024/05/08	99	75 - 125	100	75 - 125	<0.50	mg/kg	NC	35
9379686	Acid Extractable Silver (Ag)	2024/05/08	99	75 - 125	99	75 - 125	<0.50	mg/kg	NC	35
9379686	Acid Extractable Strontium (Sr)	2024/05/08	102	75 - 125	101	75 - 125	<5.0	mg/kg	8.6	35
9379686	Acid Extractable Thallium (Tl)	2024/05/08	100	75 - 125	100	75 - 125	<0.10	mg/kg	2.3	35
9379686	Acid Extractable Tin (Sn)	2024/05/08	99	75 - 125	96	75 - 125	<1.0	mg/kg	NC	35
9379686	Acid Extractable Uranium (U)	2024/05/08	100	75 - 125	99	75 - 125	<0.10	mg/kg	3.6	35
9379686	Acid Extractable Vanadium (V)	2024/05/08	97	75 - 125	99	75 - 125	<2.0	mg/kg	1.4	35
9379686	Acid Extractable Zinc (Zn)	2024/05/08	NC	75 - 125	101	75 - 125	<5.0	mg/kg	0.035	35
9380369	Benzene	2024/05/09	87	60 - 140	95	60 - 130	<0.0060	ug/g	NC	50
9380369	Ethylbenzene	2024/05/09	96	60 - 140	98	60 - 130	<0.010	ug/g	3.6	50
9380369	F1 (C6-C10) - BTEX	2024/05/09					<10	ug/g	0.76	30
9380369	F1 (C6-C10)	2024/05/09	NC	60 - 140	100	80 - 120	<10	ug/g	0.80	30
9380369	o-Xylene	2024/05/09	82	60 - 140	90	60 - 130	<0.020	ug/g	1.3	50
9380369	p+m-Xylene	2024/05/09	93	60 - 140	101	60 - 130	<0.020	ug/g	1.3	50
9380369	Toluene	2024/05/09	83	60 - 140	90	60 - 130	<0.020	ug/g	5.2	50
9380369	Total Xylenes	2024/05/09					<0.020	ug/g	1.3	50
9382368	F2 (C10-C16 Hydrocarbons)	2024/05/09	101	60 - 130	97	80 - 120	<10	ug/g	NC	30
9382368	F3 (C16-C34 Hydrocarbons)	2024/05/09	100	60 - 130	97	80 - 120	<50	ug/g	NC	30
9382368	F4 (C34-C50 Hydrocarbons)	2024/05/09	96	60 - 130	92	80 - 120	<50	ug/g	NC	30
9385787	Moisture-Subcontracted	2024/05/09					<0.30	%		
9385788	1,1,1,2-Tetrachloroethane	2024/05/06	104	50 - 140	101	60 - 130	<0.050	mg/kg		



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/10

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9385788	1,1,1-Trichloroethane	2024/05/06	92	50 - 140	93	60 - 130	<0.020	mg/kg		
9385788	1,1,2,2-Tetrachloroethane	2024/05/06	181 (1)	50 - 140	107	60 - 130	<0.050	mg/kg		
9385788	1,1,2-Trichloroethane	2024/05/06	110	50 - 140	97	60 - 130	<0.020	mg/kg		
9385788	1,1-Dichloroethane	2024/05/06	88	50 - 140	89	60 - 130	<0.020	mg/kg		
9385788	1,1-Dichloroethene	2024/05/06	88	50 - 140	93	60 - 130	<0.020	mg/kg		
9385788	1,2,3-Trichlorobenzene	2024/05/06	165 (1)	50 - 140	100	60 - 130	<0.040	mg/kg		
9385788	1,2,4-Trichlorobenzene	2024/05/06	140	50 - 140	101	60 - 130	<0.040	mg/kg		
9385788	1,2,4-Trimethylbenzene	2024/05/06	78	50 - 140	91	60 - 130	<0.50	mg/kg		
9385788	1,2-Dichlorobenzene	2024/05/06	114	50 - 140	100	60 - 130	<0.020	mg/kg		
9385788	1,2-Dichloroethane	2024/05/06	97	50 - 140	96	60 - 130	<0.0020	mg/kg		
9385788	1,2-Dichloropropane	2024/05/06	92	50 - 140	91	60 - 130	<0.020	mg/kg		
9385788	1,3,5-Trichlorobenzene	2024/05/06	107	50 - 140	102	60 - 130	<0.040	mg/kg		
9385788	1,3,5-Trimethylbenzene	2024/05/06	74	50 - 140	89	60 - 130	<0.50	mg/kg		
9385788	1,3-Dichlorobenzene	2024/05/06	93	50 - 140	97	60 - 130	<0.020	mg/kg		
9385788	1,4-Dichlorobenzene	2024/05/06	96	50 - 140	97	60 - 130	<0.020	mg/kg		
9385788	Bromodichloromethane	2024/05/06	102	50 - 140	99	60 - 130	<0.030	mg/kg		
9385788	Bromoform	2024/05/06	152 (1)	50 - 140	117	60 - 130	<0.050	mg/kg		
9385788	Bromomethane	2024/05/06	103	50 - 140	127	60 - 130	<0.020	mg/kg		
9385788	Carbon Tetrachloride	2024/05/06	95	50 - 140	96	60 - 130	<0.00050	mg/kg		
9385788	Chlorobenzene	2024/05/06	97	50 - 140	97	60 - 130	<0.0050	mg/kg		
9385788	Chloroethane	2024/05/06	50	50 - 140	98	60 - 130	<0.020	mg/kg		
9385788	Chloroform	2024/05/06	94	50 - 140	93	60 - 130	<0.010	mg/kg		
9385788	Chloromethane	2024/05/06	85	50 - 140	94	60 - 130	<0.030	mg/kg		
9385788	cis-1,2-Dichloroethene	2024/05/06	96	50 - 140	96	60 - 130	<0.020	mg/kg		
9385788	cis-1,3-Dichloropropene	2024/05/06	118	50 - 140	126	60 - 130	<0.020	mg/kg		
9385788	Dibromochloromethane	2024/05/06	114	50 - 140	109	60 - 130	<0.020	mg/kg		
9385788	Ethylene Dibromide	2024/05/06	105	50 - 140	105	60 - 130	<0.0020	mg/kg		
9385788	Methyl methacrylate	2024/05/06	116	50 - 140	98	60 - 130	<0.040	mg/kg		
9385788	Methyl t-butyl ether (MTBE)	2024/05/06	94	50 - 140	93	60 - 130	<0.030	mg/kg		
9385788	Methylene Chloride(Dichloromethane)	2024/05/06	92	50 - 140	94	60 - 130	<0.030	mg/kg		
9385788	Styrene	2024/05/06	106	50 - 140	101	60 - 130	<0.020	mg/kg		



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/10

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9385788	Tetrachloroethylene	2024/05/06	90	50 - 140	96	60 - 130	<0.010	mg/kg		
9385788	trans-1,2-Dichloroethene	2024/05/06	92	50 - 140	94	60 - 130	<0.020	mg/kg		
9385788	trans-1,3-Dichloropropene	2024/05/06	130	50 - 140	125	60 - 130	<0.020	mg/kg		
9385788	Trichloroethylene	2024/05/06	94	50 - 140	94	60 - 130	<0.0010	mg/kg		
9385788	Trichlorofluoromethane (FREON 11)	2024/05/06	87	50 - 140	90	60 - 130	<0.020	mg/kg		
9385788	Vinyl Chloride	2024/05/06	91	50 - 140	96	60 - 130	<0.00030	mg/kg		
9385789	Moisture-Subcontracted	2024/05/05					<0.30	%		

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

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

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

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

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

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

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

VALIDATION SIGNATURE PAGE

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

Colleen Acker, B.Sc, Scientific Service Specialist

Cristina Carriere, Senior Scientific Specialist

Veronica Falk, B.Sc., P.Chem., QP, Scientific Specialist, Organics

Rahul Suryawanshi, Senior Analyst

Janet Gao, B.Sc., QP, Supervisor, Organics

Phil Deveau, Scientific Specialist (Organics)



Bureau Veritas Proprietary Software
Logiciel Propriétaire de Bureau Veritas

Automated Statchk



**BUREAU
VERITAS**

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

VALIDATION SIGNATURE PAGE(CONT'D)

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

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 Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.



Your P.O. #: 133432095.245
 Your Project #: 133432095
 Site#: 00365957
 Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
 Your C.O.C. #: N/A

Attention: Megan Kelly

Stantec Consulting Ltd
 40 Highfield Park Drive
 Suite 102
 Dartmouth, NS
 CANADA B3A 0A3

Report Date: 2024/05/15
 Report #: R8149738
 Version: 3 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C4D0746

Received: 2024/05/02, 09:16

Sample Matrix: Soil
 # Samples Received: 32

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Benzo(b/j)fluoranthene Sum (soil)	1	N/A	2024/05/15	N/A	Auto Calc.
Benzo(b/j)fluoranthene Sum (soil)	14	N/A	2024/05/08	N/A	Auto Calc.
TEH in Soil (PIRI) (3)	15	2024/05/07	2024/05/07	ATL SOP 00111	Atl. RBCA v3.1 m
Petroleum Hydrocarbons F2-F4 in Soil (1, 4)	15	2024/05/09	2024/05/09	CAM SOP-00316	CCME CWS m
Metals Solids Acid Extr. ICPMS	1	2024/05/14	2024/05/14	ATL SOP 00058	EPA 6020B R2 m
Metals Solids Acid Extr. ICPMS	9	2024/05/07	2024/05/07	ATL SOP 00058	EPA 6020B R2 m
Metals Solids Acid Extr. ICPMS	5	2024/05/08	2024/05/08	ATL SOP 00058	EPA 6020B R2 m
Moisture (Subcontracted) (2, 5)	2	N/A	2024/05/06	AB SOP-00002	CCME PHC-CWS m
Moisture (Subcontracted) (2, 5)	4	N/A	2024/05/09	AB SOP-00002	CCME PHC-CWS m
VOCs in Soil by HS GC/MS (Std List) (2, 6)	6	N/A	2024/05/06	AB SOP-00056	EPA 5021a/8260d m
Moisture	23	N/A	2024/05/07	ATL SOP 00001	OMOE Handbook 1983 m
PAH Compounds by GCMS (SIM) (3)	1	2024/05/14	2024/05/14	ATL SOP 00102	EPA 8270E R6 m
PAH Compounds by GCMS (SIM) (3)	3	2024/05/07	2024/05/07	ATL SOP 00102	EPA 8270E R6 m
PAH Compounds by GCMS (SIM) (3)	11	2024/05/07	2024/05/08	ATL SOP 00102	EPA 8270E R6 m
VPH in Soil (PIRI) (7)	1	2024/05/06	2024/05/07	ATL SOP 00119	Atl. RBCA v3.1 m
ModTPH (T1) Calc. for Soil	15	N/A	2024/05/08	N/A	Atl. RBCA v3.1 m
Volatile Organic Compounds and F1 PHCs (1)	15	N/A	2024/05/09	CAM SOP-00230	EPA 8260C m
VPH in Soil (PIRI) - Field Preserved (8)	2	N/A	2024/05/06	ATL SOP 00119	Atl. RBCA v3.1 m
VPH in Soil (PIRI) - Field Preserved (8)	12	N/A	2024/05/07	ATL SOP 00119	Atl. RBCA v3.1 m

Remarks:

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

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

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.



Your P.O. #: 133432095.245
Your Project #: 133432095
Site#: 00365957
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your C.O.C. #: N/A

Attention: Megan Kelly

Stantec Consulting Ltd
40 Highfield Park Drive
Suite 102
Dartmouth, NS
CANADA B3A 0A3

Report Date: 2024/05/15
Report #: R8149738
Version: 3 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C4D0746

Received: 2024/05/02, 09:16

Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

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

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

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

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

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

- (1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
- (2) This test was performed by Bureau Veritas Calgary, 4000-19th Street North-East , Calgary, AB, T2E 6P8
- (3) Soils are reported on a dry weight basis unless otherwise specified.
- (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) Offsite analysis requires that subcontracted moisture be reported.
- (6) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is date sampled unless otherwise stated.
- (7) Sample(s) were not field preserved for VPH when received at the laboratory. Analytical results for VPH parameters should be regarded as minimum values.
- (8) No lab extraction date is given for C6-C10/BTEX and VOC samples that are field preserved with methanol. Extraction date is date sampled unless otherwise stated.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Marie Muise, Key Account Specialist
Email: Marie.MUISE@bureauveritas.com
Phone# (902)420-0203 Ext:253

=====

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 Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZBD851	ZBD852		ZBD858		ZBD861		
Sampling Date		2024/05/01 11:27	2024/05/01 11:28		2024/05/01 11:45		2024/05/01 11:06		
	UNITS	TP24-LK02 SS1	TP24-LK02 SS2	QC Batch	TP24-LK04 SS1	RDL	TP24-LK05 SS2	RDL	QC Batch

Petroleum Hydrocarbons									
Benzene	mg/kg	<0.010	<0.010	9375550	<0.010	0.010	<0.0050	0.0050	9376949
Toluene	mg/kg	<0.10	<0.10	9375550	<0.10	0.10	<0.050	0.050	9376949
Ethylbenzene	mg/kg	<0.020	<0.020	9375550	<0.020	0.020	<0.010	0.010	9376949
Total Xylenes	mg/kg	<0.10	<0.10	9375550	<0.10	0.10	<0.050	0.050	9376949
C6 - C10 (less BTEX)	mg/kg	<5.0	<5.0	9375550	<5.0	5.0	<2.5	2.5	9376949
>C10-C16 Hydrocarbons	mg/kg	<10	<10	9377570	<10	10	<10	10	9377570
>C16-C21 Hydrocarbons	mg/kg	21	<10	9377570	<10	10	<10	10	9377570
>C21-<C32 Hydrocarbons	mg/kg	27	<15	9377570	44	15	<15	15	9377570
Modified TPH (Tier1)	mg/kg	48	<15	9371579	44	15	<15	15	9371341
Reached Baseline at C32	mg/kg	Yes	NA	9377570	Yes	N/A	NA	N/A	9377570
Hydrocarbon Resemblance	mg/kg	COMMENT (1)	NA	9377570	COMMENT (2)	N/A	NA	N/A	9377570
Surrogate Recovery (%)									
Isobutylbenzene - Extractable	%	93	102	9377570	105	N/A	98	N/A	9377570
n-Dotriacontane - Extractable	%	92	91	9377570	103	N/A	88	N/A	9377570
Isobutylbenzene - Volatile	%	95 (3)	94 (3)	9375550	98 (3)	N/A	102	N/A	9376949

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable

(1) One product in fuel / lube range. Possible lube oil fraction.

(2) Lube oil fraction.

(3) Elevated VPH RDL(s) due to limited sample.



RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZBD862		ZBD864	ZBD866		ZBD869		
Sampling Date		2024/05/01 13:33		2024/05/01 13:17	2024/05/01 13:05		2024/05/01 10:12		
	UNITS	TP24-LK06 SS1	RDL	TP24-LK07 SS1	TP24-LK08 SS1	RDL	TP24-LK09 SS2	RDL	QC Batch
Petroleum Hydrocarbons									
Benzene	mg/kg	<0.010	0.010	<0.0050	<0.0050	0.0050	<0.010	0.010	9376949
Toluene	mg/kg	<0.10	0.10	<0.050	<0.050	0.050	<0.10	0.10	9376949
Ethylbenzene	mg/kg	<0.020	0.020	<0.010	<0.010	0.010	<0.020	0.020	9376949
Total Xylenes	mg/kg	<0.10	0.10	<0.050	<0.050	0.050	<0.10	0.10	9376949
C6 - C10 (less BTEX)	mg/kg	<5.0	5.0	<2.5	<2.5	2.5	<5.0	5.0	9376949
>C10-C16 Hydrocarbons	mg/kg	<10	10	<10	<10	10	<10	10	9377570
>C16-C21 Hydrocarbons	mg/kg	25	10	23	<10	10	<10	10	9377570
>C21-<C32 Hydrocarbons	mg/kg	140	15	64	27	15	<15	15	9377570
Modified TPH (Tier1)	mg/kg	170	15	86	27	15	<15	15	9371341
Reached Baseline at C32	mg/kg	Yes	N/A	Yes	Yes	N/A	NA	N/A	9377570
Hydrocarbon Resemblance	mg/kg	COMMENT (1)	N/A	COMMENT (2)	COMMENT (3)	N/A	NA	N/A	9377570
Surrogate Recovery (%)									
Isobutylbenzene - Extractable	%	101	N/A	102	98	N/A	102	N/A	9377570
n-Dotriacontane - Extractable	%	97	N/A	92	93	N/A	93	N/A	9377570
Isobutylbenzene - Volatile	%	95 (4)	N/A	95	108	N/A	104 (4)	N/A	9376949
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Lube oil fraction. (2) Unidentified compound(s) in fuel / lube range. Lube oil fraction. (3) Possible lube oil fraction. (4) Elevated VPH RDL(s) due to limited sample.									



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZBD870		ZBD874	ZBD876	ZBD878	ZBD881		
Sampling Date		2024/05/01 10:27		2024/05/01 13:47	2024/05/01 09:22	2024/05/01 09:36	2024/05/01 09:57		
	UNITS	TP24-LK10 SS1	RDL	TP24-LK12 SS1	TP24-LK13 SS1	TP24-LK14 SS1	TP24-LK15 SS2	RDL	QC Batch
Petroleum Hydrocarbons									
Benzene	mg/kg	<0.0050	0.0050	<0.010	<0.010	<0.010	<0.010	0.010	9376949
Toluene	mg/kg	<0.050	0.050	<0.10	<0.10	<0.10	<0.10	0.10	9376949
Ethylbenzene	mg/kg	<0.010	0.010	<0.020	<0.020	<0.020	<0.020	0.020	9376949
Total Xylenes	mg/kg	<0.050	0.050	<0.10	<0.10	<0.10	<0.10	0.10	9376949
C6 - C10 (less BTEX)	mg/kg	<2.5	2.5	<5.0	<5.0	<5.0	<5.0	5.0	9376949
>C10-C16 Hydrocarbons	mg/kg	<10	10	<10	<10	<10	<10	10	9377570
>C16-C21 Hydrocarbons	mg/kg	<10	10	<10	<10	<10	<10	10	9377570
>C21-<C32 Hydrocarbons	mg/kg	30	15	39	33	<15	<15	15	9377570
Modified TPH (Tier1)	mg/kg	30	15	39	33	<15	<15	15	9371341
Reached Baseline at C32	mg/kg	Yes	N/A	Yes	Yes	NA	NA	N/A	9377570
Hydrocarbon Resemblance	mg/kg	COMMENT (1)	N/A	COMMENT (1)	COMMENT (1)	NA	NA	N/A	9377570
Surrogate Recovery (%)									
Isobutylbenzene - Extractable	%	94	N/A	99	99	98	106	N/A	9377570
n-Dotriacontane - Extractable	%	95	N/A	97	100	90	94	N/A	9377570
Isobutylbenzene - Volatile	%	104	N/A	95 (2)	99 (2)	103 (2)	102 (2)	N/A	9376949
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Possible lube oil fraction. (2) Elevated VPH RDL(s) due to limited sample.									



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZBD883		
Sampling Date		2024/05/01		
	UNITS	TP24-LK-DUP2 SS1	RDL	QC Batch
Petroleum Hydrocarbons				
Benzene	mg/kg	<0.010	0.010	9376949
Toluene	mg/kg	<0.10	0.10	9376949
Ethylbenzene	mg/kg	<0.020	0.020	9376949
Total Xylenes	mg/kg	<0.10	0.10	9376949
C6 - C10 (less BTEX)	mg/kg	<5.0	5.0	9376949
>C10-C16 Hydrocarbons	mg/kg	<10	10	9377570
>C16-C21 Hydrocarbons	mg/kg	<10	10	9377570
>C21-<C32 Hydrocarbons	mg/kg	22	15	9377570
Modified TPH (Tier1)	mg/kg	22	15	9371341
Reached Baseline at C32	mg/kg	Yes	N/A	9377570
Hydrocarbon Resemblance	mg/kg	COMMENT (1)	N/A	9377570
Surrogate Recovery (%)				
Isobutylbenzene - Extractable	%	98	N/A	9377570
n-Dotriacontane - Extractable	%	93	N/A	9377570
Isobutylbenzene - Volatile	%	102 (2)	N/A	9376949
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Possible lube oil fraction. (2) Elevated VPH RDL(s) due to limited sample.				



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (LAB PRES.)

Bureau Veritas ID		ZBD856		
Sampling Date		2024/05/01 12:49		
	UNITS	TP24-LK03 SS1	RDL	QC Batch
Petroleum Hydrocarbons				
Benzene	mg/kg	<0.0050	0.0050	9377416
Toluene	mg/kg	<0.050	0.050	9377416
Ethylbenzene	mg/kg	<0.010	0.010	9377416
Total Xylenes	mg/kg	<0.050	0.050	9377416
C6 - C10 (less BTEX)	mg/kg	73	2.5	9377416
>C10-C16 Hydrocarbons	mg/kg	4900	10	9377570
>C16-C21 Hydrocarbons	mg/kg	3700	10	9377570
>C21-<C32 Hydrocarbons	mg/kg	1300	15	9377570
Modified TPH (Tier1)	mg/kg	9900	15	9371341
Reached Baseline at C32	mg/kg	Yes	N/A	9377570
Hydrocarbon Resemblance	mg/kg	COMMENT (1)	N/A	9377570
Surrogate Recovery (%)				
Isobutylbenzene - Extractable	%	97	N/A	9377570
n-Dotriacontane - Extractable	%	107	N/A	9377570
Isobutylbenzene - Volatile	%	92	N/A	9377416
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Weathered fuel oil fraction.				



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

Bureau Veritas ID		ZBD851	ZBD852	ZBD856	ZBD858	ZBD861	ZBD862		
Sampling Date		2024/05/01 11:27	2024/05/01 11:28	2024/05/01 12:49	2024/05/01 11:45	2024/05/01 11:06	2024/05/01 13:33		
	UNITS	TP24-LK02 SS1	TP24-LK02 SS2	TP24-LK03 SS1	TP24-LK04 SS1	TP24-LK05 SS2	TP24-LK06 SS1	RDL	QC Batch

Volatile Organics

Benzene	ug/g	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	9380369
Ethylbenzene	ug/g	<0.010	<0.010	0.026	<0.010	<0.010	<0.010	0.010	9380369
Toluene	ug/g	<0.020	<0.020	0.042	<0.020	<0.020	<0.020	0.020	9380369
p+m-Xylene	ug/g	<0.020	<0.020	0.056	<0.020	<0.020	<0.020	0.020	9380369
o-Xylene	ug/g	<0.020	<0.020	0.030	<0.020	<0.020	<0.020	0.020	9380369
Total Xylenes	ug/g	<0.020	<0.020	0.085	<0.020	<0.020	<0.020	0.020	9380369
F1 (C6-C10)	ug/g	<10	<10	<10	<10	<10	<10	10	9380369
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	<10	<10	10	9380369

F2-F4 Hydrocarbons

F2 (C10-C16 Hydrocarbons)	ug/g	<10	<10	3100	<10	<10	<10	10	9382368
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	3400	<50	<50	120	50	9382368
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	170	<50	<50	<50	50	9382368
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes	Yes	Yes	N/A	9382368

Surrogate Recovery (%)

o-Terphenyl	%	86	92	93	93	92	93	N/A	9382368
4-Bromofluorobenzene	%	96	96	97	97	98	97	N/A	9380369
D10-o-Xylene	%	119	113	98	116	112	105	N/A	9380369
D4-1,2-Dichloroethane	%	83	84	86	86	86	87	N/A	9380369
D8-Toluene	%	96	96	95	96	96	96	N/A	9380369

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

Bureau Veritas ID		ZBD864	ZBD866	ZBD869	ZBD870	ZBD870	ZBD874		
Sampling Date		2024/05/01 13:17	2024/05/01 13:05	2024/05/01 10:12	2024/05/01 10:27	2024/05/01 10:27	2024/05/01 13:47		
	UNITS	TP24-LK07 SS1	TP24-LK08 SS1	TP24-LK09 SS2	TP24-LK10 SS1	TP24-LK10 SS1 Lab-Dup	TP24-LK12 SS1	RDL	QC Batch

Volatile Organics									
Benzene	ug/g	<0.0060	<0.0060	<0.0060	<0.0060	N/A	<0.0060	0.0060	9380369
Ethylbenzene	ug/g	<0.010	<0.010	<0.010	<0.010	N/A	<0.010	0.010	9380369
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	N/A	<0.020	0.020	9380369
p+m-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	N/A	<0.020	0.020	9380369
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	N/A	<0.020	0.020	9380369
Total Xylenes	ug/g	<0.020	<0.020	<0.020	<0.020	N/A	<0.020	0.020	9380369
F1 (C6-C10)	ug/g	<10	<10	<10	<10	N/A	<10	10	9380369
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	N/A	<10	10	9380369
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/g	<10	<10	<10	<10	<10	<10	10	9382368
F3 (C16-C34 Hydrocarbons)	ug/g	<50	55	<50	<50	<50	<50	50	9382368
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	<50	<50	<50	<50	50	9382368
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes	Yes	Yes	N/A	9382368
Surrogate Recovery (%)									
o-Terphenyl	%	91	92	92	94	96	91	N/A	9382368
4-Bromofluorobenzene	%	99	98	98	98	N/A	98	N/A	9380369
D10-o-Xylene	%	102	104	110	106	N/A	101	N/A	9380369
D4-1,2-Dichloroethane	%	87	88	87	88	N/A	88	N/A	9380369
D8-Toluene	%	96	95	95	94	N/A	95	N/A	9380369
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable									



CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

Bureau Veritas ID		ZBD876	ZBD878	ZBD881	ZBD883		
Sampling Date		2024/05/01 09:22	2024/05/01 09:36	2024/05/01 09:57	2024/05/01		
	UNITS	TP24-LK13 SS1	TP24-LK14 SS1	TP24-LK15 SS2	TP24-LK-DUP2 SS1	RDL	QC Batch

Volatile Organics							
Benzene	ug/g	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	9380369
Ethylbenzene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	9380369
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9380369
p+m-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9380369
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9380369
Total Xylenes	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	9380369
F1 (C6-C10)	ug/g	<10	<10	<10	<10	10	9380369
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	10	9380369

F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	<10	<10	<10	<10	10	9382368
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	9382368
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	9382368
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes	N/A	9382368

Surrogate Recovery (%)							
o-Terphenyl	%	93	91	96	98	N/A	9382368
4-Bromofluorobenzene	%	99	98	99	100	N/A	9380369
D10-o-Xylene	%	104	105	102	103	N/A	9380369
D4-1,2-Dichloroethane	%	90	91	89	91	N/A	9380369
D8-Toluene	%	95	94	95	94	N/A	9380369

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



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD851	ZBD852	ZBD856	ZBD858	ZBD859		
Sampling Date		2024/05/01 11:27	2024/05/01 11:28	2024/05/01 12:49	2024/05/01 11:45	2024/05/01 11:46		
	UNITS	TP24-LK02 SS1	TP24-LK02 SS2	TP24-LK03 SS1	TP24-LK04 SS1	TP24-LK04 SS2	RDL	QC Batch
Inorganics								
Moisture	%	21	12	34	20	13	1.0	9375129
Physical Testing								
Moisture-Subcontracted	%	N/A	12	27	N/A	N/A	0.30	9385787
Volatile Organics								
Bromodichloromethane	mg/kg	N/A	<0.030	<0.030	N/A	N/A	0.030	9385788
Bromoform	mg/kg	N/A	<0.050	<0.050	N/A	N/A	0.050	9385788
Bromomethane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
Carbon Tetrachloride	mg/kg	N/A	<0.00050	<0.00050	N/A	N/A	0.00050	9385788
Chlorobenzene	mg/kg	N/A	<0.0050	<0.0050	N/A	N/A	0.0050	9385788
Dibromochloromethane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
Chloroethane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
Chloroform	mg/kg	N/A	<0.010	<0.010	N/A	N/A	0.010	9385788
Chloromethane	mg/kg	N/A	<0.030	<0.030	N/A	N/A	0.030	9385788
Ethylene Dibromide	mg/kg	N/A	<0.0020	<0.0020	N/A	N/A	0.0020	9385788
1,2-Dichlorobenzene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,3-Dichlorobenzene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,4-Dichlorobenzene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,1-Dichloroethane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,2-Dichloroethane	mg/kg	N/A	<0.0020	0.0043	N/A	N/A	0.0020	9385788
1,1-Dichloroethene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
cis-1,2-Dichloroethene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
trans-1,2-Dichloroethene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
Methylene Chloride(Dichloromethane)	mg/kg	N/A	<0.030	<0.030	N/A	N/A	0.030	9385788
1,2-Dichloropropane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
cis-1,3-Dichloropropene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
trans-1,3-Dichloropropene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
Methyl methacrylate	mg/kg	N/A	<0.040	<0.040	N/A	N/A	0.040	9385788
Methyl t-butyl ether (MTBE)	mg/kg	N/A	<0.030	<0.030	N/A	N/A	0.030	9385788
Styrene	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,1,1,2-Tetrachloroethane	mg/kg	N/A	<0.050	<0.050	N/A	N/A	0.050	9385788
1,1,1,2,2-Tetrachloroethane	mg/kg	N/A	<0.050	<0.050	N/A	N/A	0.050	9385788
Tetrachloroethylene	mg/kg	N/A	<0.010	<0.010	N/A	N/A	0.010	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD851	ZBD852	ZBD856	ZBD858	ZBD859		
Sampling Date		2024/05/01 11:27	2024/05/01 11:28	2024/05/01 12:49	2024/05/01 11:45	2024/05/01 11:46		
	UNITS	TP24-LK02 SS1	TP24-LK02 SS2	TP24-LK03 SS1	TP24-LK04 SS1	TP24-LK04 SS2	RDL	QC Batch
1,2,3-Trichlorobenzene	mg/kg	N/A	<0.040	<0.040	N/A	N/A	0.040	9385788
1,2,4-Trichlorobenzene	mg/kg	N/A	<0.040	<0.040	N/A	N/A	0.040	9385788
1,3,5-Trichlorobenzene	mg/kg	N/A	<0.040	<0.040	N/A	N/A	0.040	9385788
1,1,1-Trichloroethane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,1,2-Trichloroethane	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
Trichloroethylene	mg/kg	N/A	<0.0010	<0.0010	N/A	N/A	0.0010	9385788
Trichlorofluoromethane (FREON 11)	mg/kg	N/A	<0.020	<0.020	N/A	N/A	0.020	9385788
1,2,4-Trimethylbenzene	mg/kg	N/A	<0.50	<0.50	N/A	N/A	0.50	9385788
1,3,5-Trimethylbenzene	mg/kg	N/A	<0.50	<0.50	N/A	N/A	0.50	9385788
Vinyl Chloride	mg/kg	N/A	<0.00030	<0.00030	N/A	N/A	0.00030	9385788
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	N/A	101	101	N/A	N/A	N/A	9385788
4-Bromofluorobenzene	%	N/A	103	70	N/A	N/A	N/A	9385788
D10-o-Xylene	%	N/A	95	101	N/A	N/A	N/A	9385788
D4-1,2-Dichloroethane	%	N/A	106	104	N/A	N/A	N/A	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD860	ZBD861	ZBD862	ZBD863	ZBD864		
Sampling Date		2024/05/01 11:05	2024/05/01 11:06	2024/05/01 13:33	2024/05/01 13:34	2024/05/01 13:17		
	UNITS	TP24-LK05 SS1	TP24-LK05 SS2	TP24-LK06 SS1	TP24-LK06 SS2	TP24-LK07 SS1	RDL	QC Batch
Inorganics								
Moisture	%	16	11	15	13	14	1.0	9375129
Physical Testing								
Moisture-Subcontracted	%	N/A	N/A	N/A	14	N/A	0.30	9385787
Volatile Organics								
Bromodichloromethane	mg/kg	N/A	N/A	N/A	<0.030	N/A	0.030	9385788
Bromoform	mg/kg	N/A	N/A	N/A	<0.050	N/A	0.050	9385788
Bromomethane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
Carbon Tetrachloride	mg/kg	N/A	N/A	N/A	<0.00050	N/A	0.00050	9385788
Chlorobenzene	mg/kg	N/A	N/A	N/A	<0.0050	N/A	0.0050	9385788
Dibromochloromethane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
Chloroethane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
Chloroform	mg/kg	N/A	N/A	N/A	<0.010	N/A	0.010	9385788
Chloromethane	mg/kg	N/A	N/A	N/A	<0.030	N/A	0.030	9385788
Ethylene Dibromide	mg/kg	N/A	N/A	N/A	<0.0020	N/A	0.0020	9385788
1,2-Dichlorobenzene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,3-Dichlorobenzene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,4-Dichlorobenzene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,1-Dichloroethane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,2-Dichloroethane	mg/kg	N/A	N/A	N/A	<0.0020	N/A	0.0020	9385788
1,1-Dichloroethene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
cis-1,2-Dichloroethene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
trans-1,2-Dichloroethene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
Methylene Chloride(Dichloromethane)	mg/kg	N/A	N/A	N/A	<0.030	N/A	0.030	9385788
1,2-Dichloropropane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
cis-1,3-Dichloropropene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
trans-1,3-Dichloropropene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
Methyl methacrylate	mg/kg	N/A	N/A	N/A	<0.040	N/A	0.040	9385788
Methyl t-butyl ether (MTBE)	mg/kg	N/A	N/A	N/A	<0.030	N/A	0.030	9385788
Styrene	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,1,1,2-Tetrachloroethane	mg/kg	N/A	N/A	N/A	<0.050	N/A	0.050	9385788
1,1,1,2,2-Tetrachloroethane	mg/kg	N/A	N/A	N/A	<0.050	N/A	0.050	9385788
Tetrachloroethylene	mg/kg	N/A	N/A	N/A	<0.010	N/A	0.010	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD860	ZBD861	ZBD862	ZBD863	ZBD864		
Sampling Date		2024/05/01 11:05	2024/05/01 11:06	2024/05/01 13:33	2024/05/01 13:34	2024/05/01 13:17		
	UNITS	TP24-LK05 SS1	TP24-LK05 SS2	TP24-LK06 SS1	TP24-LK06 SS2	TP24-LK07 SS1	RDL	QC Batch
1,2,3-Trichlorobenzene	mg/kg	N/A	N/A	N/A	<0.040	N/A	0.040	9385788
1,2,4-Trichlorobenzene	mg/kg	N/A	N/A	N/A	<0.040	N/A	0.040	9385788
1,3,5-Trichlorobenzene	mg/kg	N/A	N/A	N/A	<0.040	N/A	0.040	9385788
1,1,1-Trichloroethane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,1,2-Trichloroethane	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
Trichloroethylene	mg/kg	N/A	N/A	N/A	<0.0010	N/A	0.0010	9385788
Trichlorofluoromethane (FREON 11)	mg/kg	N/A	N/A	N/A	<0.020	N/A	0.020	9385788
1,2,4-Trimethylbenzene	mg/kg	N/A	N/A	N/A	<0.50	N/A	0.50	9385788
1,3,5-Trimethylbenzene	mg/kg	N/A	N/A	N/A	<0.50	N/A	0.50	9385788
Vinyl Chloride	mg/kg	N/A	N/A	N/A	<0.00030	N/A	0.00030	9385788
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	N/A	N/A	N/A	101	N/A	N/A	9385788
4-Bromofluorobenzene	%	N/A	N/A	N/A	97	N/A	N/A	9385788
D10-o-Xylene	%	N/A	N/A	N/A	99	N/A	N/A	9385788
D4-1,2-Dichloroethane	%	N/A	N/A	N/A	100	N/A	N/A	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD866	ZBD866	ZBD867	ZBD868	ZBD869		
Sampling Date		2024/05/01 13:05	2024/05/01 13:05	2024/05/01 13:06	2024/05/01 10:11	2024/05/01 10:12		
	UNITS	TP24-LK08 SS1	TP24-LK08 SS1 Lab-Dup	TP24-LK08 SS2	TP24-LK09 SS1	TP24-LK09 SS2	RDL	QC Batch

Inorganics								
Moisture	%	18	15	N/A	23	12	1.0	9375654
Physical Testing								
Moisture-Subcontracted	%	N/A	N/A	14	N/A	N/A	0.30	9385789
Volatile Organics								
Bromodichloromethane	mg/kg	N/A	N/A	<0.030	N/A	N/A	0.030	9385788
Bromoform	mg/kg	N/A	N/A	<0.050	N/A	N/A	0.050	9385788
Bromomethane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
Carbon Tetrachloride	mg/kg	N/A	N/A	<0.00050	N/A	N/A	0.00050	9385788
Chlorobenzene	mg/kg	N/A	N/A	<0.0050	N/A	N/A	0.0050	9385788
Dibromochloromethane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
Chloroethane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
Chloroform	mg/kg	N/A	N/A	<0.010	N/A	N/A	0.010	9385788
Chloromethane	mg/kg	N/A	N/A	<0.030	N/A	N/A	0.030	9385788
Ethylene Dibromide	mg/kg	N/A	N/A	<0.0020	N/A	N/A	0.0020	9385788
1,2-Dichlorobenzene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,3-Dichlorobenzene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,4-Dichlorobenzene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,1-Dichloroethane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,2-Dichloroethane	mg/kg	N/A	N/A	<0.0020	N/A	N/A	0.0020	9385788
1,1-Dichloroethene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
cis-1,2-Dichloroethene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
trans-1,2-Dichloroethene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
Methylene Chloride(Dichloromethane)	mg/kg	N/A	N/A	<0.030	N/A	N/A	0.030	9385788
1,2-Dichloropropane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
cis-1,3-Dichloropropene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
trans-1,3-Dichloropropene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
Methyl methacrylate	mg/kg	N/A	N/A	<0.040	N/A	N/A	0.040	9385788
Methyl t-butyl ether (MTBE)	mg/kg	N/A	N/A	<0.030	N/A	N/A	0.030	9385788
Styrene	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,1,1,2-Tetrachloroethane	mg/kg	N/A	N/A	<0.050	N/A	N/A	0.050	9385788
1,1,1,2,2-Tetrachloroethane	mg/kg	N/A	N/A	<0.050	N/A	N/A	0.050	9385788

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD866	ZBD866	ZBD867	ZBD868	ZBD869		
Sampling Date		2024/05/01 13:05	2024/05/01 13:05	2024/05/01 13:06	2024/05/01 10:11	2024/05/01 10:12		
	UNITS	TP24-LK08 SS1	TP24-LK08 SS1 Lab-Dup	TP24-LK08 SS2	TP24-LK09 SS1	TP24-LK09 SS2	RDL	QC Batch
Tetrachloroethylene	mg/kg	N/A	N/A	<0.010	N/A	N/A	0.010	9385788
1,2,3-Trichlorobenzene	mg/kg	N/A	N/A	<0.040	N/A	N/A	0.040	9385788
1,2,4-Trichlorobenzene	mg/kg	N/A	N/A	<0.040	N/A	N/A	0.040	9385788
1,3,5-Trichlorobenzene	mg/kg	N/A	N/A	<0.040	N/A	N/A	0.040	9385788
1,1,1-Trichloroethane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,1,2-Trichloroethane	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
Trichloroethylene	mg/kg	N/A	N/A	<0.0010	N/A	N/A	0.0010	9385788
Trichlorofluoromethane (FREON 11)	mg/kg	N/A	N/A	<0.020	N/A	N/A	0.020	9385788
1,2,4-Trimethylbenzene	mg/kg	N/A	N/A	<0.50	N/A	N/A	0.50	9385788
1,3,5-Trimethylbenzene	mg/kg	N/A	N/A	<0.50	N/A	N/A	0.50	9385788
Vinyl Chloride	mg/kg	N/A	N/A	<0.00030	N/A	N/A	0.00030	9385788
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	N/A	N/A	102	N/A	N/A	N/A	9385788
4-Bromofluorobenzene	%	N/A	N/A	97	N/A	N/A	N/A	9385788
D10-o-Xylene	%	N/A	N/A	99	N/A	N/A	N/A	9385788
D4-1,2-Dichloroethane	%	N/A	N/A	103	N/A	N/A	N/A	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD870	ZBD873		ZBD874	ZBD876		
Sampling Date		2024/05/01 10:27	2024/05/01 10:48		2024/05/01 13:47	2024/05/01 09:22		
	UNITS	TP24-LK10 SS1	TP24-LK11 SS2	QC Batch	TP24-LK12 SS1	TP24-LK13 SS1	RDL	QC Batch
Inorganics								
Moisture	%	19	12	9375654	15	16	1.0	9375654
Physical Testing								
Moisture-Subcontracted	%	N/A	N/A	9385789	14	N/A	0.30	9385787
Volatile Organics								
Bromodichloromethane	mg/kg	N/A	N/A	9385788	<0.030	N/A	0.030	9385788
Bromoform	mg/kg	N/A	N/A	9385788	<0.050	N/A	0.050	9385788
Bromomethane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
Carbon Tetrachloride	mg/kg	N/A	N/A	9385788	<0.00050	N/A	0.00050	9385788
Chlorobenzene	mg/kg	N/A	N/A	9385788	<0.0050	N/A	0.0050	9385788
Dibromochloromethane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
Chloroethane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
Chloroform	mg/kg	N/A	N/A	9385788	<0.010	N/A	0.010	9385788
Chloromethane	mg/kg	N/A	N/A	9385788	<0.030	N/A	0.030	9385788
Ethylene Dibromide	mg/kg	N/A	N/A	9385788	<0.0020	N/A	0.0020	9385788
1,2-Dichlorobenzene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,3-Dichlorobenzene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,4-Dichlorobenzene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,1-Dichloroethane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,2-Dichloroethane	mg/kg	N/A	N/A	9385788	<0.0020	N/A	0.0020	9385788
1,1-Dichloroethene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
cis-1,2-Dichloroethene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
trans-1,2-Dichloroethene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
Methylene Chloride(Dichloromethane)	mg/kg	N/A	N/A	9385788	<0.030	N/A	0.030	9385788
1,2-Dichloropropane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
cis-1,3-Dichloropropene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
trans-1,3-Dichloropropene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
Methyl methacrylate	mg/kg	N/A	N/A	9385788	<0.040	N/A	0.040	9385788
Methyl t-butyl ether (MTBE)	mg/kg	N/A	N/A	9385788	<0.030	N/A	0.030	9385788
Styrene	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,1,1,2-Tetrachloroethane	mg/kg	N/A	N/A	9385788	<0.050	N/A	0.050	9385788
1,1,2,2-Tetrachloroethane	mg/kg	N/A	N/A	9385788	<0.050	N/A	0.050	9385788
Tetrachloroethylene	mg/kg	N/A	N/A	9385788	<0.010	N/A	0.010	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD870	ZBD873		ZBD874	ZBD876		
Sampling Date		2024/05/01 10:27	2024/05/01 10:48		2024/05/01 13:47	2024/05/01 09:22		
	UNITS	TP24-LK10 SS1	TP24-LK11 SS2	QC Batch	TP24-LK12 SS1	TP24-LK13 SS1	RDL	QC Batch
1,2,3-Trichlorobenzene	mg/kg	N/A	N/A	9385788	<0.040	N/A	0.040	9385788
1,2,4-Trichlorobenzene	mg/kg	N/A	N/A	9385788	<0.040	N/A	0.040	9385788
1,3,5-Trichlorobenzene	mg/kg	N/A	N/A	9385788	<0.040	N/A	0.040	9385788
1,1,1-Trichloroethane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,1,2-Trichloroethane	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
Trichloroethylene	mg/kg	N/A	N/A	9385788	<0.0010	N/A	0.0010	9385788
Trichlorofluoromethane (FREON 11)	mg/kg	N/A	N/A	9385788	<0.020	N/A	0.020	9385788
1,2,4-Trimethylbenzene	mg/kg	N/A	N/A	9385788	<0.50	N/A	0.50	9385788
1,3,5-Trimethylbenzene	mg/kg	N/A	N/A	9385788	<0.50	N/A	0.50	9385788
Vinyl Chloride	mg/kg	N/A	N/A	9385788	<0.00030	N/A	0.00030	9385788
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	N/A	N/A	9385788	100	N/A	N/A	9385788
4-Bromofluorobenzene	%	N/A	N/A	9385788	100	N/A	N/A	9385788
D10-o-Xylene	%	N/A	N/A	9385788	94	N/A	N/A	9385788
D4-1,2-Dichloroethane	%	N/A	N/A	9385788	104	N/A	N/A	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable								

Bureau Veritas ID		ZBD878	ZBD879	ZBD880	ZBD881		
Sampling Date		2024/05/01 09:36	2024/05/01 09:37	2024/05/01 09:56	2024/05/01 09:57		
	UNITS	TP24-LK14 SS1	TP24-LK14 SS2	TP24-LK15 SS1	TP24-LK15 SS2	RDL	QC Batch
Inorganics							
Moisture	%	16	12	13	12	1.0	9375654
RDL = Reportable Detection Limit QC Batch = Quality Control Batch							



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD882	ZBD883		ZBD885		
Sampling Date		2024/05/01	2024/05/01		2024/05/01		
	UNITS	TP24-LK-DUP1 SS1	TP24-LK-DUP2 SS1	QC Batch	TP24-LK-DUP4 SS1	RDL	QC Batch

Inorganics							
Moisture	%	13	15	9375654	N/A	1.0	9375654
Physical Testing							
Moisture-Subcontracted	%	N/A	N/A	9385787	13	0.30	9385789
Volatile Organics							
Bromodichloromethane	mg/kg	N/A	N/A	9385788	<0.030	0.030	9385788
Bromoform	mg/kg	N/A	N/A	9385788	<0.050	0.050	9385788
Bromomethane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
Carbon Tetrachloride	mg/kg	N/A	N/A	9385788	<0.00050	0.00050	9385788
Chlorobenzene	mg/kg	N/A	N/A	9385788	<0.0050	0.0050	9385788
Dibromochloromethane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
Chloroethane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
Chloroform	mg/kg	N/A	N/A	9385788	<0.010	0.010	9385788
Chloromethane	mg/kg	N/A	N/A	9385788	<0.030	0.030	9385788
Ethylene Dibromide	mg/kg	N/A	N/A	9385788	<0.0020	0.0020	9385788
1,2-Dichlorobenzene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,3-Dichlorobenzene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,4-Dichlorobenzene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,1-Dichloroethane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,2-Dichloroethane	mg/kg	N/A	N/A	9385788	<0.0020	0.0020	9385788
1,1-Dichloroethene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
cis-1,2-Dichloroethene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
trans-1,2-Dichloroethene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
Methylene Chloride(Dichloromethane)	mg/kg	N/A	N/A	9385788	<0.030	0.030	9385788
1,2-Dichloropropane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
cis-1,3-Dichloropropene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
trans-1,3-Dichloropropene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
Methyl methacrylate	mg/kg	N/A	N/A	9385788	<0.040	0.040	9385788
Methyl t-butyl ether (MTBE)	mg/kg	N/A	N/A	9385788	<0.030	0.030	9385788
Styrene	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,1,1,2-Tetrachloroethane	mg/kg	N/A	N/A	9385788	<0.050	0.050	9385788
1,1,2,2-Tetrachloroethane	mg/kg	N/A	N/A	9385788	<0.050	0.050	9385788
Tetrachloroethylene	mg/kg	N/A	N/A	9385788	<0.010	0.010	9385788

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



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBD882	ZBD883		ZBD885		
Sampling Date		2024/05/01	2024/05/01		2024/05/01		
	UNITS	TP24-LK-DUP1 SS1	TP24-LK-DUP2 SS1	QC Batch	TP24-LK-DUP4 SS1	RDL	QC Batch
1,2,3-Trichlorobenzene	mg/kg	N/A	N/A	9385788	<0.040	0.040	9385788
1,2,4-Trichlorobenzene	mg/kg	N/A	N/A	9385788	<0.040	0.040	9385788
1,3,5-Trichlorobenzene	mg/kg	N/A	N/A	9385788	<0.040	0.040	9385788
1,1,1-Trichloroethane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,1,2-Trichloroethane	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
Trichloroethylene	mg/kg	N/A	N/A	9385788	0.0017	0.0010	9385788
Trichlorofluoromethane (FREON 11)	mg/kg	N/A	N/A	9385788	<0.020	0.020	9385788
1,2,4-Trimethylbenzene	mg/kg	N/A	N/A	9385788	<0.50	0.50	9385788
1,3,5-Trimethylbenzene	mg/kg	N/A	N/A	9385788	<0.50	0.50	9385788
Vinyl Chloride	mg/kg	N/A	N/A	9385788	<0.00030	0.00030	9385788
Surrogate Recovery (%)							
1,4-Difluorobenzene	%	N/A	N/A	9385788	100	N/A	9385788
4-Bromofluorobenzene	%	N/A	N/A	9385788	99	N/A	9385788
D10-o-Xylene	%	N/A	N/A	9385788	98	N/A	9385788
D4-1,2-Dichloroethane	%	N/A	N/A	9385788	102	N/A	9385788
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable							



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ZBD851	ZBD857	ZBD857	ZBD858	ZBD860		
Sampling Date		2024/05/01 11:27	2024/05/01 12:50	2024/05/01 12:50	2024/05/01 11:45	2024/05/01 11:05		
	UNITS	TP24-LK02 SS1	TP24-LK03 SS2	TP24-LK03 SS2 Lab-Dup	TP24-LK04 SS1	TP24-LK05 SS1	RDL	QC Batch

Metals								
Acid Extractable Aluminum (Al)	mg/kg	7000	15000	15000	6300	2300	10	9379686
Acid Extractable Antimony (Sb)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9379686
Acid Extractable Arsenic (As)	mg/kg	3.9	9.2	9.3	3.6	<2.0	2.0	9379686
Acid Extractable Barium (Ba)	mg/kg	20	150	160	14	10	5.0	9379686
Acid Extractable Beryllium (Be)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9379686
Acid Extractable Bismuth (Bi)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9379686
Acid Extractable Boron (B)	mg/kg	<50	<50	<50	<50	<50	50	9379686
Acid Extractable Cadmium (Cd)	mg/kg	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	9379686
Acid Extractable Chromium (Cr)	mg/kg	9.4	23	24	6.9	2.3	2.0	9379686
Acid Extractable Cobalt (Co)	mg/kg	2.8	12	12	1.7	<1.0	1.0	9379686
Acid Extractable Copper (Cu)	mg/kg	4.4	22	22	2.5	<2.0	2.0	9379686
Acid Extractable Iron (Fe)	mg/kg	14000	30000	30000	9900	2300	50	9379686
Acid Extractable Lead (Pb)	mg/kg	8.7	17	17	6.5	4.1	0.50	9379686
Acid Extractable Lithium (Li)	mg/kg	9.5	29	30	8.0	<2.0	2.0	9379686
Acid Extractable Manganese (Mn)	mg/kg	120	700	720	85	38	2.0	9379686
Acid Extractable Mercury (Hg)	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	9379686
Acid Extractable Molybdenum (Mo)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9379686
Acid Extractable Nickel (Ni)	mg/kg	7.9	30	30	5.0	<2.0	2.0	9379686
Acid Extractable Rubidium (Rb)	mg/kg	6.8	14	14	7.0	3.7	2.0	9379686
Acid Extractable Selenium (Se)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9379686
Acid Extractable Silver (Ag)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9379686
Acid Extractable Strontium (Sr)	mg/kg	6.2	15	16	5.1	<5.0	5.0	9379686
Acid Extractable Thallium (Tl)	mg/kg	<0.10	0.11	0.12	<0.10	<0.10	0.10	9379686
Acid Extractable Tin (Sn)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9379686
Acid Extractable Uranium (U)	mg/kg	0.29	0.66	0.68	0.28	0.20	0.10	9379686
Acid Extractable Vanadium (V)	mg/kg	16	24	25	18	5.6	2.0	9379686
Acid Extractable Zinc (Zn)	mg/kg	25	66	66	18	12	5.0	9379686

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



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ZBD862		ZBD865		ZBD866	ZBD866		
Sampling Date		2024/05/01 13:33		2024/05/01 13:18		2024/05/01 13:05	2024/05/01 13:05		
	UNITS	TP24-LK06 SS1	QC Batch	TP24-LK07 SS2	QC Batch	TP24-LK08 SS1	TP24-LK08 SS1 Lab-Dup	RDL	QC Batch

Metals									
Acid Extractable Aluminum (Al)	mg/kg	11000	9379686	11000	9377261	11000	10000	10	9391065
Acid Extractable Antimony (Sb)	mg/kg	<2.0	9379686	<2.0	9377261	<2.0	<2.0	2.0	9391065
Acid Extractable Arsenic (As)	mg/kg	11	9379686	9.8	9377261	7.2	7.1	2.0	9391065
Acid Extractable Barium (Ba)	mg/kg	51	9379686	120	9377261	63	63	5.0	9391065
Acid Extractable Beryllium (Be)	mg/kg	<1.0	9379686	<1.0	9377261	<1.0	<1.0	1.0	9391065
Acid Extractable Bismuth (Bi)	mg/kg	<2.0	9379686	<2.0	9377261	<2.0	<2.0	2.0	9391065
Acid Extractable Boron (B)	mg/kg	<50	9379686	<50	9377261	<50	<50	50	9391065
Acid Extractable Cadmium (Cd)	mg/kg	<0.30	9379686	<0.30	9377261	<0.30	<0.30	0.30	9391065
Acid Extractable Chromium (Cr)	mg/kg	16	9379686	19	9377261	17	17	2.0	9391065
Acid Extractable Cobalt (Co)	mg/kg	9.5	9379686	11	9377261	6.3	6.2	1.0	9391065
Acid Extractable Copper (Cu)	mg/kg	23	9379686	18	9377261	11	12	2.0	9391065
Acid Extractable Iron (Fe)	mg/kg	20000	9379686	25000	9377261	23000	24000	50	9391065
Acid Extractable Lead (Pb)	mg/kg	14	9379686	13	9377261	12	12	0.50	9391065
Acid Extractable Lithium (Li)	mg/kg	19	9379686	21	9377261	16	16	2.0	9391065
Acid Extractable Manganese (Mn)	mg/kg	660	9379686	770	9377261	300	350	2.0	9391065
Acid Extractable Mercury (Hg)	mg/kg	<0.10	9379686	<0.10	9377261	<0.10	<0.10	0.10	9391065
Acid Extractable Molybdenum (Mo)	mg/kg	<2.0	9379686	<2.0	9377261	<2.0	<2.0	2.0	9391065
Acid Extractable Nickel (Ni)	mg/kg	19	9379686	24	9377261	16	15	2.0	9391065
Acid Extractable Rubidium (Rb)	mg/kg	7.5	9379686	11	9377261	9.9	9.5	2.0	9391065
Acid Extractable Selenium (Se)	mg/kg	<0.50	9379686	<0.50	9377261	<0.50	<0.50	0.50	9391065
Acid Extractable Silver (Ag)	mg/kg	<0.50	9379686	<0.50	9377261	<0.50	<0.50	0.50	9391065
Acid Extractable Strontium (Sr)	mg/kg	9.9	9379686	12	9377261	8.7	8.2	5.0	9391065
Acid Extractable Thallium (Tl)	mg/kg	<0.10	9379686	<0.10	9377261	<0.10	<0.10	0.10	9391065
Acid Extractable Tin (Sn)	mg/kg	<1.0	9379686	<1.0	9377261	<1.0	<1.0	1.0	9391065
Acid Extractable Uranium (U)	mg/kg	0.53	9379686	0.64	9377261	0.50	0.49	0.10	9391065
Acid Extractable Vanadium (V)	mg/kg	17	9379686	20	9377261	22	22	2.0	9391065
Acid Extractable Zinc (Zn)	mg/kg	46	9379686	54	9377261	85	84	5.0	9391065

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



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ZBD868	ZBD871	ZBD872	ZBD875	ZBD877		
Sampling Date		2024/05/01 10:11	2024/05/01 10:28	2024/05/01 10:47	2024/05/01 13:48	2024/05/01 09:23		
	UNITS	TP24-LK09 SS1	TP24-LK10 SS2	TP24-LK11 SS1	TP24-LK12 SS2	TP24-LK13 SS2	RDL	QC Batch
Metals								
Acid Extractable Aluminum (Al)	mg/kg	10000	13000	8600	15000	13000	10	9377261
Acid Extractable Antimony (Sb)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9377261
Acid Extractable Arsenic (As)	mg/kg	6.4	10	5.5	10	10	2.0	9377261
Acid Extractable Barium (Ba)	mg/kg	42	160	35	180	140	5.0	9377261
Acid Extractable Beryllium (Be)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9377261
Acid Extractable Bismuth (Bi)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9377261
Acid Extractable Boron (B)	mg/kg	<50	<50	<50	<50	<50	50	9377261
Acid Extractable Cadmium (Cd)	mg/kg	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	9377261
Acid Extractable Chromium (Cr)	mg/kg	14	21	11	24	21	2.0	9377261
Acid Extractable Cobalt (Co)	mg/kg	5.7	13	3.9	15	13	1.0	9377261
Acid Extractable Copper (Cu)	mg/kg	8.3	21	6.4	22	19	2.0	9377261
Acid Extractable Iron (Fe)	mg/kg	22000	29000	13000	31000	28000	50	9377261
Acid Extractable Lead (Pb)	mg/kg	11	15	11	18	15	0.50	9377261
Acid Extractable Lithium (Li)	mg/kg	15	26	11	28	25	2.0	9377261
Acid Extractable Manganese (Mn)	mg/kg	340	880	190	890	700	2.0	9377261
Acid Extractable Mercury (Hg)	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	9377261
Acid Extractable Molybdenum (Mo)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9377261
Acid Extractable Nickel (Ni)	mg/kg	12	27	9.3	32	28	2.0	9377261
Acid Extractable Rubidium (Rb)	mg/kg	11	13	8.7	14	13	2.0	9377261
Acid Extractable Selenium (Se)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9377261
Acid Extractable Silver (Ag)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9377261
Acid Extractable Strontium (Sr)	mg/kg	5.8	23	5.6	15	13	5.0	9377261
Acid Extractable Thallium (Tl)	mg/kg	<0.10	0.11	<0.10	0.11	0.11	0.10	9377261
Acid Extractable Tin (Sn)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9377261
Acid Extractable Uranium (U)	mg/kg	0.46	0.79	0.41	0.69	0.69	0.10	9377261
Acid Extractable Vanadium (V)	mg/kg	24	22	20	25	22	2.0	9377261
Acid Extractable Zinc (Zn)	mg/kg	33	61	34	64	60	5.0	9377261
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ZBD878	ZBD880	ZBD884		
Sampling Date		2024/05/01 09:36	2024/05/01 09:56	2024/05/01		
	UNITS	TP24-LK14 SS1	TP24-LK15 SS1	TP24-LK-DUP3 SS1	RDL	QC Batch
Metals						
Acid Extractable Aluminum (Al)	mg/kg	9500	13000	1900	10	9377261
Acid Extractable Antimony (Sb)	mg/kg	<2.0	<2.0	<2.0	2.0	9377261
Acid Extractable Arsenic (As)	mg/kg	6.3	8.1	<2.0	2.0	9377261
Acid Extractable Barium (Ba)	mg/kg	22	35	7.9	5.0	9377261
Acid Extractable Beryllium (Be)	mg/kg	<1.0	<1.0	<1.0	1.0	9377261
Acid Extractable Bismuth (Bi)	mg/kg	<2.0	<2.0	<2.0	2.0	9377261
Acid Extractable Boron (B)	mg/kg	<50	<50	<50	50	9377261
Acid Extractable Cadmium (Cd)	mg/kg	<0.30	<0.30	<0.30	0.30	9377261
Acid Extractable Chromium (Cr)	mg/kg	15	19	<2.0	2.0	9377261
Acid Extractable Cobalt (Co)	mg/kg	5.8	9.9	<1.0	1.0	9377261
Acid Extractable Copper (Cu)	mg/kg	7.8	15	<2.0	2.0	9377261
Acid Extractable Iron (Fe)	mg/kg	22000	25000	1400	50	9377261
Acid Extractable Lead (Pb)	mg/kg	11	13	3.5	0.50	9377261
Acid Extractable Lithium (Li)	mg/kg	17	22	<2.0	2.0	9377261
Acid Extractable Manganese (Mn)	mg/kg	310	560	29	2.0	9377261
Acid Extractable Mercury (Hg)	mg/kg	<0.10	<0.10	<0.10	0.10	9377261
Acid Extractable Molybdenum (Mo)	mg/kg	<2.0	<2.0	<2.0	2.0	9377261
Acid Extractable Nickel (Ni)	mg/kg	13	19	<2.0	2.0	9377261
Acid Extractable Rubidium (Rb)	mg/kg	6.7	8.7	4.0	2.0	9377261
Acid Extractable Selenium (Se)	mg/kg	<0.50	<0.50	<0.50	0.50	9377261
Acid Extractable Silver (Ag)	mg/kg	<0.50	<0.50	<0.50	0.50	9377261
Acid Extractable Strontium (Sr)	mg/kg	<5.0	<5.0	<5.0	5.0	9377261
Acid Extractable Thallium (Tl)	mg/kg	<0.10	<0.10	<0.10	0.10	9377261
Acid Extractable Tin (Sn)	mg/kg	<1.0	<1.0	<1.0	1.0	9377261
Acid Extractable Uranium (U)	mg/kg	0.47	0.76	0.21	0.10	9377261
Acid Extractable Vanadium (V)	mg/kg	18	21	4.9	2.0	9377261
Acid Extractable Zinc (Zn)	mg/kg	31	43	6.4	5.0	9377261
RDL = Reportable Detection Limit QC Batch = Quality Control Batch						



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Bureau Veritas ID		ZBD851	ZBD856	ZBD859	ZBD860	ZBD863	ZBD864		
Sampling Date		2024/05/01 11:27	2024/05/01 12:49	2024/05/01 11:46	2024/05/01 11:05	2024/05/01 13:34	2024/05/01 13:17		
	UNITS	TP24-LK02 SS1	TP24-LK03 SS1	TP24-LK04 SS2	TP24-LK05 SS1	TP24-LK06 SS2	TP24-LK07 SS1	RDL	QC Batch

Polyaromatic Hydrocarbons									
1-Methylnaphthalene	mg/kg	<0.010	0.60	<0.010	<0.010	<0.010	0.023	0.010	9377191
2-Methylnaphthalene	mg/kg	<0.010	0.64	<0.010	<0.010	<0.010	0.027	0.010	9377191
Acenaphthene	mg/kg	<0.010	2.3	<0.010	<0.010	<0.010	0.13	0.010	9377191
Acenaphthylene	mg/kg	<0.010	0.017	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Anthracene	mg/kg	<0.010	4.4	<0.010	<0.010	<0.010	0.26	0.010	9377191
Benzo(a)anthracene	mg/kg	<0.010	9.0	<0.010	<0.010	<0.010	0.34	0.010	9377191
Benzo(a)pyrene	mg/kg	<0.010	6.9	<0.010	<0.010	<0.010	0.24	0.010	9377191
Benzo(b)fluoranthene	mg/kg	<0.010	5.0	<0.010	<0.010	<0.010	0.19	0.010	9377191
Benzo(b,j)fluoranthene	mg/kg	<0.020	8.2	<0.020	<0.020	<0.020	0.31	0.020	9371509
Benzo(g,h,i)perylene	mg/kg	<0.010	3.1	<0.010	<0.010	<0.010	0.11	0.010	9377191
Benzo(j)fluoranthene	mg/kg	<0.010	3.2	<0.010	<0.010	<0.010	0.13	0.010	9377191
Benzo(k)fluoranthene	mg/kg	<0.010	3.2	<0.010	<0.010	<0.010	0.13	0.010	9377191
Chrysene	mg/kg	<0.010	9.2	<0.010	<0.010	<0.010	0.38	0.010	9377191
Dibenzo(a,h)anthracene	mg/kg	<0.010	1.1	<0.010	<0.010	<0.010	0.036	0.010	9377191
Fluoranthene	mg/kg	<0.010	14	<0.010	<0.010	<0.010	0.76	0.010	9377191
Fluorene	mg/kg	<0.010	2.6	<0.010	<0.010	<0.010	0.16	0.010	9377191
Indeno(1,2,3-cd)pyrene	mg/kg	<0.010	2.8	<0.010	<0.010	<0.010	0.099	0.010	9377191
Naphthalene	mg/kg	<0.010	0.56	<0.010	<0.010	<0.010	0.023	0.010	9377191
Perylene	mg/kg	<0.010	1.3	<0.010	<0.010	<0.010	0.048	0.010	9377191
Phenanthrene	mg/kg	<0.010	13	<0.010	<0.010	<0.010	0.94	0.010	9377191
Pyrene	mg/kg	<0.010	13	<0.010	<0.010	<0.010	0.60	0.010	9377191

Surrogate Recovery (%)									
D10-Anthracene	%	101	91	96	101	101	93	N/A	9377191
D14-Terphenyl (FS)	%	99	92	96	100	99	94	N/A	9377191
D8-Acenaphthylene	%	96	89	94	100	98	95	N/A	9377191

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



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Bureau Veritas ID		ZBD866	ZBD868	ZBD870	ZBD873	ZBD873		
Sampling Date		2024/05/01 13:05	2024/05/01 10:11	2024/05/01 10:27	2024/05/01 10:48	2024/05/01 10:48		
	UNITS	TP24-LK08 SS1	TP24-LK09 SS1	TP24-LK10 SS1	TP24-LK11 SS2	TP24-LK11 SS2 Lab-Dup	RDL	QC Batch

Polyaromatic Hydrocarbons								
1-Methylnaphthalene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
2-Methylnaphthalene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Acenaphthene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Acenaphthylene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Anthracene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(a)anthracene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(a)pyrene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(b)fluoranthene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(b/j)fluoranthene	mg/kg	<0.020	<0.020	<0.020	<0.020	N/A	0.020	9371509
Benzo(g,h,i)perylene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(j)fluoranthene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(k)fluoranthene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Chrysene	mg/kg	0.012	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Dibenzo(a,h)anthracene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Fluoranthene	mg/kg	0.025	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Fluorene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Indeno(1,2,3-cd)pyrene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Naphthalene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Perylene	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Phenanthrene	mg/kg	0.029	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Pyrene	mg/kg	0.020	<0.010	<0.010	<0.010	<0.010	0.010	9377191

Surrogate Recovery (%)								
D10-Anthracene	%	96	97	97	98	95	N/A	9377191
D14-Terphenyl (FS)	%	95	96	98	99	97	N/A	9377191
D8-Acenaphthylene	%	96	92	94	97	93	N/A	9377191

RDL = Reportable Detection Limit
 QC Batch = Quality Control Batch
 Lab-Dup = Laboratory Initiated Duplicate
 N/A = Not Applicable



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Bureau Veritas ID		ZBD874		ZBD876	ZBD879	ZBD880	ZBD882		
Sampling Date		2024/05/01 13:47		2024/05/01 09:22	2024/05/01 09:37	2024/05/01 09:56	2024/05/01		
	UNITS	TP24-LK12 SS1	QC Batch	TP24-LK13 SS1	TP24-LK14 SS2	TP24-LK15 SS1	TP24-LK-DUP1 SS1	RDL	QC Batch

Polyaromatic Hydrocarbons									
1-Methylnaphthalene	mg/kg	<0.010	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
2-Methylnaphthalene	mg/kg	<0.010	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Acenaphthene	mg/kg	0.042	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Acenaphthylene	mg/kg	<0.010	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Anthracene	mg/kg	0.053	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(a)anthracene	mg/kg	0.29	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(a)pyrene	mg/kg	0.39	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(b)fluoranthene	mg/kg	0.32	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(b,j)fluoranthene	mg/kg	0.50	9389278	<0.020	<0.020	<0.020	<0.020	0.020	9371509
Benzo(g,h,i)perylene	mg/kg	0.27	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(j)fluoranthene	mg/kg	0.17	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Benzo(k)fluoranthene	mg/kg	0.17	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Chrysene	mg/kg	0.44	9389966	0.015	<0.010	<0.010	<0.010	0.010	9377191
Dibenzo(a,h)anthracene	mg/kg	0.059	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Fluoranthene	mg/kg	0.66	9389966	0.030	<0.010	<0.010	<0.010	0.010	9377191
Fluorene	mg/kg	0.022	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Indeno(1,2,3-cd)pyrene	mg/kg	0.20	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Naphthalene	mg/kg	<0.010	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Perylene	mg/kg	0.093	9389966	<0.010	<0.010	<0.010	<0.010	0.010	9377191
Phenanthrene	mg/kg	0.41	9389966	0.013	<0.010	<0.010	<0.010	0.010	9377191
Pyrene	mg/kg	0.57	9389966	0.022	<0.010	<0.010	<0.010	0.010	9377191

Surrogate Recovery (%)									
D10-Anthracene	%	97	9389966	99	94	95	89	N/A	9377191
D14-Terphenyl (FS)	%	94	9389966	102	97	100	93	N/A	9377191
D8-Acenaphthylene	%	95	9389966	94	90	94	86	N/A	9377191

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



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD851
Sample ID: TP24-LK02 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/07	Hiroyuki Inamura
ModTPH (T1) Calc. for Soil	CALC	9371579	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9375550	N/A	2024/05/06	Abhinand Mohanakumaran Nair Sreekala

Bureau Veritas ID: ZBD852
Sample ID: TP24-LK02 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture (Subcontracted)	BAL	9385787	N/A	2024/05/09	Ashley Henderson
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9385788	N/A	2024/05/06	Yanglin (Grace) Pan
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371579	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9375550	N/A	2024/05/06	Abhinand Mohanakumaran Nair Sreekala

Bureau Veritas ID: ZBD856
Sample ID: TP24-LK03 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture (Subcontracted)	BAL	9385787	N/A	2024/05/09	Ashley Henderson
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9385788	N/A	2024/05/06	Yanglin (Grace) Pan
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/07	Hiroyuki Inamura
VPH in Soil (PIRI)	PTGC/MS	9377416	2024/05/06	2024/05/07	Abhinand Mohanakumaran Nair Sreekala
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD857
Sample ID: TP24-LK03 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBD857 Dup
Sample ID: TP24-LK03 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBD858
Sample ID: TP24-LK04 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD859
Sample ID: TP24-LK04 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura

Bureau Veritas ID: ZBD860
Sample ID: TP24-LK05 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD861
Sample ID: TP24-LK05 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD862
Sample ID: TP24-LK06 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD863
Sample ID: TP24-LK06 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Moisture (Subcontracted)	BAL	9385787	N/A	2024/05/09	Ashley Henderson
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9385788	N/A	2024/05/06	Yanglin (Grace) Pan
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura

Bureau Veritas ID: ZBD864
Sample ID: TP24-LK07 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375129	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD865
Sample ID: TP24-LK07 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur

Bureau Veritas ID: ZBD866
Sample ID: TP24-LK08 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Metals Solids Acid Extr. ICPMS	ICP/MS	9391065	2024/05/14	2024/05/14	Morgan Schnare
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn HelmKay

Bureau Veritas ID: ZBD866 Dup
Sample ID: TP24-LK08 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9391065	2024/05/14	2024/05/14	Morgan Schnare
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev

Bureau Veritas ID: ZBD867
Sample ID: TP24-LK08 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture (Subcontracted)	BAL	9385789	N/A	2024/05/06	Jessica Legg
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9385788	N/A	2024/05/06	Yanglin (Grace) Pan

Bureau Veritas ID: ZBD868
Sample ID: TP24-LK09 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD869
Sample ID: TP24-LK09 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD870
Sample ID: TP24-LK10 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD870 Dup
Sample ID: TP24-LK10 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam

Bureau Veritas ID: ZBD871
Sample ID: TP24-LK10 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur

Bureau Veritas ID: ZBD872
Sample ID: TP24-LK11 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD873
Sample ID: TP24-LK11 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/07	Hiroyuki Inamura

Bureau Veritas ID: ZBD873 Dup
Sample ID: TP24-LK11 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/07	Hiroyuki Inamura

Bureau Veritas ID: ZBD874
Sample ID: TP24-LK12 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9389278	N/A	2024/05/15	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture (Subcontracted)	BAL	9385787	N/A	2024/05/09	Ashley Henderson
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9385788	N/A	2024/05/06	Yanglin (Grace) Pan
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9389966	2024/05/14	2024/05/14	Sharmin Akter
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD875
Sample ID: TP24-LK12 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur

Bureau Veritas ID: ZBD876
Sample ID: TP24-LK13 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBD876
Sample ID: TP24-LK13 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD877
Sample ID: TP24-LK13 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur

Bureau Veritas ID: ZBD878
Sample ID: TP24-LK14 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD879
Sample ID: TP24-LK14 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura

Bureau Veritas ID: ZBD880
Sample ID: TP24-LK15 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura



TEST SUMMARY

Bureau Veritas ID: ZBD881
Sample ID: TP24-LK15 SS2
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD882
Sample ID: TP24-LK-DUP1 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/08	Automated Statchk
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9377191	2024/05/07	2024/05/08	Hiroyuki Inamura

Bureau Veritas ID: ZBD883
Sample ID: TP24-LK-DUP2 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
TEH in Soil (PIRI)	GC/FID	9377570	2024/05/07	2024/05/07	Marley Gidney
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9382368	2024/05/09	2024/05/09	Jeevaraj Jeevaratnam
Moisture	BAL	9375654	N/A	2024/05/07	Rajdeep Dev
ModTPH (T1) Calc. for Soil	CALC	9371341	N/A	2024/05/08	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9380369	N/A	2024/05/09	Juan Pangilinan
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9376949	N/A	2024/05/07	Shawn Helmkey

Bureau Veritas ID: ZBD884
Sample ID: TP24-LK-DUP3 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9377261	2024/05/07	2024/05/07	Muskan Thakur

Bureau Veritas ID: ZBD885
Sample ID: TP24-LK-DUP4 SS1
Matrix: Soil

Collected: 2024/05/01
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture (Subcontracted)	BAL	9385789	N/A	2024/05/06	Jessica Legg
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9385788	N/A	2024/05/06	Yanglin (Grace) Pan



GENERAL COMMENTS

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

Package 1	4.0°C
Package 2	5.0°C

Revised Report: Add metals to sample ZBD866 and PAH to sample ZBD974 due to lab error. 2024/05/13 MMC

Sample ZBD858 [TP24-LK04 SS1] : One or more of the pre-weighed sample vials in the order had an extra label attached. To determine the original vial weight used in calculating the sample weight, the weight of any extra labels was approximated using the weight of a label similar to the extra label attached.

Sample ZBD861 [TP24-LK05 SS2] : One or more of the pre-weighed sample vials in the order had an extra label attached. To determine the original vial weight used in calculating the sample weight, the weight of any extra labels was approximated using the weight of a label similar to the extra label attached.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/15

QUALITY ASSURANCE REPORT

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9375550	Isobutylbenzene - Volatile	2024/05/06	95	60 - 130	96	60 - 130	97	%		
9376949	Isobutylbenzene - Volatile	2024/05/07	96	60 - 130	95	60 - 130	99	%		
9377191	D10-Anthracene	2024/05/07	98	50 - 130	95	50 - 130	100	%		
9377191	D14-Terphenyl (FS)	2024/05/07	97	50 - 130	95	50 - 130	98	%		
9377191	D8-Acenaphthylene	2024/05/07	97	50 - 130	96	50 - 130	97	%		
9377416	Isobutylbenzene - Volatile	2024/05/07	96	60 - 130	92	60 - 130	104	%		
9377570	Isobutylbenzene - Extractable	2024/05/07	100	60 - 130	109	60 - 130	99	%		
9377570	n-Dotriacontane - Extractable	2024/05/07	87	60 - 130	89	60 - 130	87	%		
9380369	4-Bromofluorobenzene	2024/05/09	91	60 - 140	100	60 - 140	99	%		
9380369	D10-o-Xylene	2024/05/09	107	60 - 130	105	60 - 130	89	%		
9380369	D4-1,2-Dichloroethane	2024/05/09	90	60 - 140	98	60 - 140	93	%		
9380369	D8-Toluene	2024/05/09	100	60 - 140	103	60 - 140	93	%		
9382368	o-Terphenyl	2024/05/09	94	60 - 130	90	60 - 130	86	%		
9385788	1,4-Difluorobenzene	2024/05/06	101	50 - 140	100	50 - 140	100	%		
9385788	4-Bromofluorobenzene	2024/05/06	87	50 - 140	98	50 - 140	93	%		
9385788	D10-o-Xylene	2024/05/06	111	50 - 140	91	50 - 140	105	%		
9385788	D4-1,2-Dichloroethane	2024/05/06	101	50 - 140	100	50 - 140	101	%		
9389966	D10-Anthracene	2024/05/14	106	50 - 130	109	50 - 130	111	%		
9389966	D14-Terphenyl (FS)	2024/05/14	105	50 - 130	107	50 - 130	108	%		
9389966	D8-Acenaphthylene	2024/05/14	108	50 - 130	109	50 - 130	107	%		
9375129	Moisture	2024/05/07							6.6	25
9375550	Benzene	2024/05/06	113	60 - 130	110	60 - 140	<0.0050	mg/kg	NC	50
9375550	C6 - C10 (less BTEX)	2024/05/06					<2.5	mg/kg	NC	50
9375550	Ethylbenzene	2024/05/06	113	60 - 130	109	60 - 140	<0.010	mg/kg	NC	50
9375550	Toluene	2024/05/06	107	60 - 130	109	60 - 140	<0.050	mg/kg	NC	50
9375550	Total Xylenes	2024/05/06	110	60 - 130	110	60 - 140	<0.050	mg/kg	NC	50
9375654	Moisture	2024/05/07							20	25
9376949	Benzene	2024/05/07	89	60 - 130	96	60 - 140	<0.0050	mg/kg	NC	50
9376949	C6 - C10 (less BTEX)	2024/05/07					<2.5	mg/kg	NC	50
9376949	Ethylbenzene	2024/05/07	93	60 - 130	101	60 - 140	<0.010	mg/kg	NC	50
9376949	Toluene	2024/05/07	87	60 - 130	96	60 - 140	<0.050	mg/kg	NC	50



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/15

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9376949	Total Xylenes	2024/05/07	92	60 - 130	101	60 - 140	<0.050	mg/kg	NC	50
9377191	1-Methylnaphthalene	2024/05/07	87	50 - 130	85	50 - 130	<0.010	mg/kg	NC	50
9377191	2-Methylnaphthalene	2024/05/07	91	50 - 130	90	50 - 130	<0.010	mg/kg	NC	50
9377191	Acenaphthene	2024/05/07	89	50 - 130	87	50 - 130	<0.010	mg/kg	NC	50
9377191	Acenaphthylene	2024/05/07	88	50 - 130	87	50 - 130	<0.010	mg/kg	NC	50
9377191	Anthracene	2024/05/07	88	50 - 130	86	50 - 130	<0.010	mg/kg	NC	50
9377191	Benzo(a)anthracene	2024/05/07	84	50 - 130	82	50 - 130	<0.010	mg/kg	NC	50
9377191	Benzo(a)pyrene	2024/05/07	78	50 - 130	76	50 - 130	<0.010	mg/kg	NC	50
9377191	Benzo(b)fluoranthene	2024/05/07	83	50 - 130	81	50 - 130	<0.010	mg/kg	NC	50
9377191	Benzo(g,h,i)perylene	2024/05/07	75	50 - 130	74	50 - 130	<0.010	mg/kg	NC	50
9377191	Benzo(j)fluoranthene	2024/05/07	84	50 - 130	82	50 - 130	<0.010	mg/kg	NC	50
9377191	Benzo(k)fluoranthene	2024/05/07	86	50 - 130	82	50 - 130	<0.010	mg/kg	NC	50
9377191	Chrysene	2024/05/07	91	50 - 130	89	50 - 130	<0.010	mg/kg	NC	50
9377191	Dibenzo(a,h)anthracene	2024/05/07	77	50 - 130	74	50 - 130	<0.010	mg/kg	NC	50
9377191	Fluoranthene	2024/05/07	87	50 - 130	86	50 - 130	<0.010	mg/kg	NC	50
9377191	Fluorene	2024/05/07	88	50 - 130	86	50 - 130	<0.010	mg/kg	NC	50
9377191	Indeno(1,2,3-cd)pyrene	2024/05/07	74	50 - 130	71	50 - 130	<0.010	mg/kg	NC	50
9377191	Naphthalene	2024/05/07	86	50 - 130	84	50 - 130	<0.010	mg/kg	NC	50
9377191	Perylene	2024/05/07	73	50 - 130	72	50 - 130	<0.010	mg/kg	NC	50
9377191	Phenanthrene	2024/05/07	91	50 - 130	90	50 - 130	<0.010	mg/kg	NC	50
9377191	Pyrene	2024/05/07	85	50 - 130	83	50 - 130	<0.010	mg/kg	NC	50
9377261	Acid Extractable Aluminum (Al)	2024/05/07					<10	mg/kg	1.2	35
9377261	Acid Extractable Antimony (Sb)	2024/05/07	103	75 - 125	107	75 - 125	<2.0	mg/kg	NC	35
9377261	Acid Extractable Arsenic (As)	2024/05/07	99	75 - 125	100	75 - 125	<2.0	mg/kg	22	35
9377261	Acid Extractable Barium (Ba)	2024/05/07	102	75 - 125	97	75 - 125	<5.0	mg/kg	4.1	35
9377261	Acid Extractable Beryllium (Be)	2024/05/07	93	75 - 125	93	75 - 125	<1.0	mg/kg	NC	35
9377261	Acid Extractable Bismuth (Bi)	2024/05/07	104	75 - 125	101	75 - 125	<2.0	mg/kg	NC	35
9377261	Acid Extractable Boron (B)	2024/05/07	91	75 - 125	92	75 - 125	<50	mg/kg	NC	35
9377261	Acid Extractable Cadmium (Cd)	2024/05/07	106	75 - 125	103	75 - 125	<0.30	mg/kg	NC	35
9377261	Acid Extractable Chromium (Cr)	2024/05/07	98	75 - 125	100	75 - 125	<2.0	mg/kg	7.0	35
9377261	Acid Extractable Cobalt (Co)	2024/05/07	99	75 - 125	99	75 - 125	<1.0	mg/kg	1.5	35



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/15

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9377261	Acid Extractable Copper (Cu)	2024/05/07	105	75 - 125	96	75 - 125	<2.0	mg/kg	0.58	35
9377261	Acid Extractable Iron (Fe)	2024/05/07					<50	mg/kg	3.1	35
9377261	Acid Extractable Lead (Pb)	2024/05/07	102	75 - 125	101	75 - 125	<0.50	mg/kg	12	35
9377261	Acid Extractable Lithium (Li)	2024/05/07	101	75 - 125	98	75 - 125	<2.0	mg/kg	1.7	35
9377261	Acid Extractable Manganese (Mn)	2024/05/07	NC	75 - 125	99	75 - 125	<2.0	mg/kg	2.2	35
9377261	Acid Extractable Mercury (Hg)	2024/05/07	101	75 - 125	103	75 - 125	<0.10	mg/kg	NC	35
9377261	Acid Extractable Molybdenum (Mo)	2024/05/07	104	75 - 125	104	75 - 125	<2.0	mg/kg	NC	35
9377261	Acid Extractable Nickel (Ni)	2024/05/07	102	75 - 125	99	75 - 125	<2.0	mg/kg	1.8	35
9377261	Acid Extractable Rubidium (Rb)	2024/05/07	101	75 - 125	100	75 - 125	<2.0	mg/kg	3.2	35
9377261	Acid Extractable Selenium (Se)	2024/05/07	105	75 - 125	102	75 - 125	<0.50	mg/kg	NC	35
9377261	Acid Extractable Silver (Ag)	2024/05/07	106	75 - 125	101	75 - 125	<0.50	mg/kg	NC	35
9377261	Acid Extractable Strontium (Sr)	2024/05/07	108	75 - 125	103	75 - 125	<5.0	mg/kg	2.2	35
9377261	Acid Extractable Thallium (Tl)	2024/05/07	105	75 - 125	101	75 - 125	<0.10	mg/kg	10	35
9377261	Acid Extractable Tin (Sn)	2024/05/07	110	75 - 125	103	75 - 125	<1.0	mg/kg	NC	35
9377261	Acid Extractable Uranium (U)	2024/05/07	106	75 - 125	103	75 - 125	<0.10	mg/kg	3.9	35
9377261	Acid Extractable Vanadium (V)	2024/05/07	98	75 - 125	99	75 - 125	<2.0	mg/kg	3.6	35
9377261	Acid Extractable Zinc (Zn)	2024/05/07	106	75 - 125	101	75 - 125	<5.0	mg/kg	0.85	35
9377416	Benzene	2024/05/07	99	60 - 130	85	60 - 140	<0.0050	mg/kg	NC	50
9377416	C6 - C10 (less BTEX)	2024/05/07					<2.5	mg/kg	NC	50
9377416	Ethylbenzene	2024/05/07	96	60 - 130	80	60 - 140	<0.010	mg/kg	NC	50
9377416	Toluene	2024/05/07	92	60 - 130	82	60 - 140	<0.050	mg/kg	NC	50
9377416	Total Xylenes	2024/05/07	92	60 - 130	82	60 - 140	<0.050	mg/kg	NC	50
9377570	>C10-C16 Hydrocarbons	2024/05/07	95	30 - 130	104	60 - 130	<10	mg/kg	NC	50
9377570	>C16-C21 Hydrocarbons	2024/05/07	98	30 - 130	106	60 - 130	<10	mg/kg	NC	50
9377570	>C21-<C32 Hydrocarbons	2024/05/07	87	30 - 130	99	60 - 130	<15	mg/kg	NC	50
9379686	Acid Extractable Aluminum (Al)	2024/05/08					<10	mg/kg	4.7	35
9379686	Acid Extractable Antimony (Sb)	2024/05/08	88	75 - 125	100	75 - 125	<2.0	mg/kg	NC	35
9379686	Acid Extractable Arsenic (As)	2024/05/08	97	75 - 125	98	75 - 125	<2.0	mg/kg	0.49	35
9379686	Acid Extractable Barium (Ba)	2024/05/08	NC	75 - 125	98	75 - 125	<5.0	mg/kg	1.1	35
9379686	Acid Extractable Beryllium (Be)	2024/05/08	100	75 - 125	97	75 - 125	<1.0	mg/kg	NC	35
9379686	Acid Extractable Bismuth (Bi)	2024/05/08	99	75 - 125	99	75 - 125	<2.0	mg/kg	NC	35



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/15

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9379686	Acid Extractable Boron (B)	2024/05/08	87	75 - 125	97	75 - 125	<50	mg/kg	NC	35
9379686	Acid Extractable Cadmium (Cd)	2024/05/08	100	75 - 125	99	75 - 125	<0.30	mg/kg	NC	35
9379686	Acid Extractable Chromium (Cr)	2024/05/08	100	75 - 125	99	75 - 125	<2.0	mg/kg	1.3	35
9379686	Acid Extractable Cobalt (Co)	2024/05/08	98	75 - 125	99	75 - 125	<1.0	mg/kg	1.3	35
9379686	Acid Extractable Copper (Cu)	2024/05/08	97	75 - 125	98	75 - 125	<2.0	mg/kg	2.2	35
9379686	Acid Extractable Iron (Fe)	2024/05/08					<50	mg/kg	0.23	35
9379686	Acid Extractable Lead (Pb)	2024/05/08	102	75 - 125	98	75 - 125	<0.50	mg/kg	5.4	35
9379686	Acid Extractable Lithium (Li)	2024/05/08	104	75 - 125	99	75 - 125	<2.0	mg/kg	4.1	35
9379686	Acid Extractable Manganese (Mn)	2024/05/08	NC	75 - 125	99	75 - 125	<2.0	mg/kg	2.5	35
9379686	Acid Extractable Mercury (Hg)	2024/05/08	102	75 - 125	102	75 - 125	<0.10	mg/kg	NC	35
9379686	Acid Extractable Molybdenum (Mo)	2024/05/08	98	75 - 125	105	75 - 125	<2.0	mg/kg	NC	35
9379686	Acid Extractable Nickel (Ni)	2024/05/08	96	75 - 125	100	75 - 125	<2.0	mg/kg	1.0	35
9379686	Acid Extractable Rubidium (Rb)	2024/05/08	93	75 - 125	100	75 - 125	<2.0	mg/kg	3.3	35
9379686	Acid Extractable Selenium (Se)	2024/05/08	99	75 - 125	100	75 - 125	<0.50	mg/kg	NC	35
9379686	Acid Extractable Silver (Ag)	2024/05/08	99	75 - 125	99	75 - 125	<0.50	mg/kg	NC	35
9379686	Acid Extractable Strontium (Sr)	2024/05/08	102	75 - 125	101	75 - 125	<5.0	mg/kg	8.6	35
9379686	Acid Extractable Thallium (Tl)	2024/05/08	100	75 - 125	100	75 - 125	<0.10	mg/kg	2.3	35
9379686	Acid Extractable Tin (Sn)	2024/05/08	99	75 - 125	96	75 - 125	<1.0	mg/kg	NC	35
9379686	Acid Extractable Uranium (U)	2024/05/08	100	75 - 125	99	75 - 125	<0.10	mg/kg	3.6	35
9379686	Acid Extractable Vanadium (V)	2024/05/08	97	75 - 125	99	75 - 125	<2.0	mg/kg	1.4	35
9379686	Acid Extractable Zinc (Zn)	2024/05/08	NC	75 - 125	101	75 - 125	<5.0	mg/kg	0.035	35
9380369	Benzene	2024/05/09	87	60 - 140	95	60 - 130	<0.0060	ug/g	NC	50
9380369	Ethylbenzene	2024/05/09	96	60 - 140	98	60 - 130	<0.010	ug/g	3.6	50
9380369	F1 (C6-C10) - BTEX	2024/05/09					<10	ug/g	0.76	30
9380369	F1 (C6-C10)	2024/05/09	NC	60 - 140	100	80 - 120	<10	ug/g	0.80	30
9380369	o-Xylene	2024/05/09	82	60 - 140	90	60 - 130	<0.020	ug/g	1.3	50
9380369	p+m-Xylene	2024/05/09	93	60 - 140	101	60 - 130	<0.020	ug/g	1.3	50
9380369	Toluene	2024/05/09	83	60 - 140	90	60 - 130	<0.020	ug/g	5.2	50
9380369	Total Xylenes	2024/05/09					<0.020	ug/g	1.3	50
9382368	F2 (C10-C16 Hydrocarbons)	2024/05/09	101	60 - 130	97	80 - 120	<10	ug/g	NC	30
9382368	F3 (C16-C34 Hydrocarbons)	2024/05/09	100	60 - 130	97	80 - 120	<50	ug/g	NC	30



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/15

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9382368	F4 (C34-C50 Hydrocarbons)	2024/05/09	96	60 - 130	92	80 - 120	<50	ug/g	NC	30
9385787	Moisture-Subcontracted	2024/05/09					<0.30	%		
9385788	1,1,1,2-Tetrachloroethane	2024/05/06	104	50 - 140	101	60 - 130	<0.050	mg/kg		
9385788	1,1,1-Trichloroethane	2024/05/06	92	50 - 140	93	60 - 130	<0.020	mg/kg		
9385788	1,1,2,2-Tetrachloroethane	2024/05/06	181 (1)	50 - 140	107	60 - 130	<0.050	mg/kg		
9385788	1,1,2-Trichloroethane	2024/05/06	110	50 - 140	97	60 - 130	<0.020	mg/kg		
9385788	1,1-Dichloroethane	2024/05/06	88	50 - 140	89	60 - 130	<0.020	mg/kg		
9385788	1,1-Dichloroethene	2024/05/06	88	50 - 140	93	60 - 130	<0.020	mg/kg		
9385788	1,2,3-Trichlorobenzene	2024/05/06	165 (1)	50 - 140	100	60 - 130	<0.040	mg/kg		
9385788	1,2,4-Trichlorobenzene	2024/05/06	140	50 - 140	101	60 - 130	<0.040	mg/kg		
9385788	1,2,4-Trimethylbenzene	2024/05/06	78	50 - 140	91	60 - 130	<0.50	mg/kg		
9385788	1,2-Dichlorobenzene	2024/05/06	114	50 - 140	100	60 - 130	<0.020	mg/kg		
9385788	1,2-Dichloroethane	2024/05/06	97	50 - 140	96	60 - 130	<0.0020	mg/kg		
9385788	1,2-Dichloropropane	2024/05/06	92	50 - 140	91	60 - 130	<0.020	mg/kg		
9385788	1,3,5-Trichlorobenzene	2024/05/06	107	50 - 140	102	60 - 130	<0.040	mg/kg		
9385788	1,3,5-Trimethylbenzene	2024/05/06	74	50 - 140	89	60 - 130	<0.50	mg/kg		
9385788	1,3-Dichlorobenzene	2024/05/06	93	50 - 140	97	60 - 130	<0.020	mg/kg		
9385788	1,4-Dichlorobenzene	2024/05/06	96	50 - 140	97	60 - 130	<0.020	mg/kg		
9385788	Bromodichloromethane	2024/05/06	102	50 - 140	99	60 - 130	<0.030	mg/kg		
9385788	Bromoform	2024/05/06	152 (1)	50 - 140	117	60 - 130	<0.050	mg/kg		
9385788	Bromomethane	2024/05/06	103	50 - 140	127	60 - 130	<0.020	mg/kg		
9385788	Carbon Tetrachloride	2024/05/06	95	50 - 140	96	60 - 130	<0.00050	mg/kg		
9385788	Chlorobenzene	2024/05/06	97	50 - 140	97	60 - 130	<0.0050	mg/kg		
9385788	Chloroethane	2024/05/06	50	50 - 140	98	60 - 130	<0.020	mg/kg		
9385788	Chloroform	2024/05/06	94	50 - 140	93	60 - 130	<0.010	mg/kg		
9385788	Chloromethane	2024/05/06	85	50 - 140	94	60 - 130	<0.030	mg/kg		
9385788	cis-1,2-Dichloroethene	2024/05/06	96	50 - 140	96	60 - 130	<0.020	mg/kg		
9385788	cis-1,3-Dichloropropene	2024/05/06	118	50 - 140	126	60 - 130	<0.020	mg/kg		
9385788	Dibromochloromethane	2024/05/06	114	50 - 140	109	60 - 130	<0.020	mg/kg		
9385788	Ethylene Dibromide	2024/05/06	105	50 - 140	105	60 - 130	<0.0020	mg/kg		
9385788	Methyl methacrylate	2024/05/06	116	50 - 140	98	60 - 130	<0.040	mg/kg		



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/15

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9385788	Methyl t-butyl ether (MTBE)	2024/05/06	94	50 - 140	93	60 - 130	<0.030	mg/kg		
9385788	Methylene Chloride(Dichloromethane)	2024/05/06	92	50 - 140	94	60 - 130	<0.030	mg/kg		
9385788	Styrene	2024/05/06	106	50 - 140	101	60 - 130	<0.020	mg/kg		
9385788	Tetrachloroethylene	2024/05/06	90	50 - 140	96	60 - 130	<0.010	mg/kg		
9385788	trans-1,2-Dichloroethene	2024/05/06	92	50 - 140	94	60 - 130	<0.020	mg/kg		
9385788	trans-1,3-Dichloropropene	2024/05/06	130	50 - 140	125	60 - 130	<0.020	mg/kg		
9385788	Trichloroethylene	2024/05/06	94	50 - 140	94	60 - 130	<0.0010	mg/kg		
9385788	Trichlorofluoromethane (FREON 11)	2024/05/06	87	50 - 140	90	60 - 130	<0.020	mg/kg		
9385788	Vinyl Chloride	2024/05/06	91	50 - 140	96	60 - 130	<0.00030	mg/kg		
9385789	Moisture-Subcontracted	2024/05/05					<0.30	%		
9389966	1-Methylnaphthalene	2024/05/14	86	50 - 130	88	50 - 130	<0.010	mg/kg	7.6	50
9389966	2-Methylnaphthalene	2024/05/14	90	50 - 130	92	50 - 130	<0.010	mg/kg	2.7	50
9389966	Acenaphthene	2024/05/14	90	50 - 130	92	50 - 130	<0.010	mg/kg	NC	50
9389966	Acenaphthylene	2024/05/14	87	50 - 130	88	50 - 130	<0.010	mg/kg	NC (3)	50
9389966	Anthracene	2024/05/14	84	50 - 130	87	50 - 130	<0.010	mg/kg	NC	50
9389966	Benzo(a)anthracene	2024/05/14	79	50 - 130	84	50 - 130	<0.010	mg/kg	6.4	50
9389966	Benzo(a)pyrene	2024/05/14	64	50 - 130	83	50 - 130	<0.010	mg/kg	1.9	50
9389966	Benzo(b)fluoranthene	2024/05/14	68	50 - 130	87	50 - 130	<0.010	mg/kg	3.7	50
9389966	Benzo(g,h,i)perylene	2024/05/14	43 (2)	50 - 130	81	50 - 130	<0.010	mg/kg	2.7	50
9389966	Benzo(j)fluoranthene	2024/05/14	69	50 - 130	88	50 - 130	<0.010	mg/kg	4.2	50
9389966	Benzo(k)fluoranthene	2024/05/14	70	50 - 130	86	50 - 130	<0.010	mg/kg	1.6	50
9389966	Chrysene	2024/05/14	86	50 - 130	93	50 - 130	<0.010	mg/kg	0.72	50
9389966	Dibenzo(a,h)anthracene	2024/05/14	57	50 - 130	90	50 - 130	<0.010	mg/kg	NC	50
9389966	Fluoranthene	2024/05/14	84	50 - 130	88	50 - 130	<0.010	mg/kg	19	50
9389966	Fluorene	2024/05/14	87	50 - 130	89	50 - 130	<0.010	mg/kg	NC	50
9389966	Indeno(1,2,3-cd)pyrene	2024/05/14	46 (2)	50 - 130	79	50 - 130	<0.010	mg/kg	5.3	50
9389966	Naphthalene	2024/05/14	86	50 - 130	89	50 - 130	<0.010	mg/kg	NC	50
9389966	Perylene	2024/05/14	55	50 - 130	74	50 - 130	<0.010	mg/kg	NC (3)	50
9389966	Phenanthrene	2024/05/14	90	50 - 130	94	50 - 130	<0.010	mg/kg	26	50
9389966	Pyrene	2024/05/14	82	50 - 130	86	50 - 130	<0.010	mg/kg	14	50
9391065	Acid Extractable Aluminum (Al)	2024/05/14					<10	mg/kg	2.8	35



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/15

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9391065	Acid Extractable Antimony (Sb)	2024/05/14	94	75 - 125	86	75 - 125	<2.0	mg/kg	NC	35
9391065	Acid Extractable Arsenic (As)	2024/05/14	100	75 - 125	86	75 - 125	<2.0	mg/kg	1.3	35
9391065	Acid Extractable Barium (Ba)	2024/05/14	NC	75 - 125	84	75 - 125	<5.0	mg/kg	0.57	35
9391065	Acid Extractable Beryllium (Be)	2024/05/14	100	75 - 125	84	75 - 125	<1.0	mg/kg	NC	35
9391065	Acid Extractable Bismuth (Bi)	2024/05/14	102	75 - 125	87	75 - 125	<2.0	mg/kg	NC	35
9391065	Acid Extractable Boron (B)	2024/05/14	86	75 - 125	88	75 - 125	<50	mg/kg	NC	35
9391065	Acid Extractable Cadmium (Cd)	2024/05/14	100	75 - 125	84	75 - 125	<0.30	mg/kg	NC	35
9391065	Acid Extractable Chromium (Cr)	2024/05/14	105	75 - 125	84	75 - 125	<2.0	mg/kg	2.3	35
9391065	Acid Extractable Cobalt (Co)	2024/05/14	100	75 - 125	84	75 - 125	<1.0	mg/kg	0.65	35
9391065	Acid Extractable Copper (Cu)	2024/05/14	103	75 - 125	85	75 - 125	<2.0	mg/kg	2.0	35
9391065	Acid Extractable Iron (Fe)	2024/05/14					<50	mg/kg	4.5	35
9391065	Acid Extractable Lead (Pb)	2024/05/14	99	75 - 125	83	75 - 125	<0.50	mg/kg	0.89	35
9391065	Acid Extractable Lithium (Li)	2024/05/14	99	75 - 125	83	75 - 125	<2.0	mg/kg	0.44	35
9391065	Acid Extractable Manganese (Mn)	2024/05/14	NC	75 - 125	85	75 - 125	<2.0	mg/kg	15	35
9391065	Acid Extractable Mercury (Hg)	2024/05/14	100	75 - 125	87	75 - 125	<0.10	mg/kg	NC	35
9391065	Acid Extractable Molybdenum (Mo)	2024/05/14	102	75 - 125	88	75 - 125	<2.0	mg/kg	NC	35
9391065	Acid Extractable Nickel (Ni)	2024/05/14	100	75 - 125	87	75 - 125	<2.0	mg/kg	4.0	35
9391065	Acid Extractable Rubidium (Rb)	2024/05/14	98	75 - 125	86	75 - 125	<2.0	mg/kg	4.2	35
9391065	Acid Extractable Selenium (Se)	2024/05/14	101	75 - 125	87	75 - 125	<0.50	mg/kg	NC	35
9391065	Acid Extractable Silver (Ag)	2024/05/14	101	75 - 125	86	75 - 125	<0.50	mg/kg	NC	35
9391065	Acid Extractable Strontium (Sr)	2024/05/14	106	75 - 125	86	75 - 125	<5.0	mg/kg	6.2	35
9391065	Acid Extractable Thallium (Tl)	2024/05/14	102	75 - 125	86	75 - 125	<0.10	mg/kg	NC	35
9391065	Acid Extractable Tin (Sn)	2024/05/14	105	75 - 125	85	75 - 125	<1.0	mg/kg	NC	35
9391065	Acid Extractable Uranium (U)	2024/05/14	99	75 - 125	83	75 - 125	<0.10	mg/kg	1.8	35
9391065	Acid Extractable Vanadium (V)	2024/05/14	103	75 - 125	86	75 - 125	<2.0	mg/kg	1.7	35



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/15

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9391065	Acid Extractable Zinc (Zn)	2024/05/14	NC	75 - 125	85	75 - 125	<5.0	mg/kg	2.1	35

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

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

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

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

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

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

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

(2) Matrix Spike: < 10 % of compounds in multi-component analysis in violation.

(3) Elevated PAH RDL(s) due to matrix / co-extractive interference.



BUREAU
VERITAS

Bureau Veritas Job #: C4D0746
Report Date: 2024/05/15

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE ROAD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

VALIDATION SIGNATURE PAGE

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

Colleen Acker, B.Sc, Scientific Service Specialist

Cristina Carriere, Senior Scientific Specialist

Veronica Falk, B.Sc., P.Chem., QP, Scientific Specialist, Organics

Rahul Suryawanshi, Senior Analyst

Janet Gao, B.Sc., QP, Supervisor, Organics

Phil Deveau, Scientific Specialist (Organics)



Bureau Veritas Proprietary Software
Logiciel Propriétaire de Bureau Veritas

Automated Statchk



**BUREAU
VERITAS**

Bureau Veritas Job #: C4D0746

Report Date: 2024/05/15

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE ROAD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

VALIDATION SIGNATURE PAGE(CONT'D)

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

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 Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.



Your P.O. #: 133432095.245
 Your Project #: 133432095
 Site#: 00365957
 Site Location: 2400 SHORE RD, EASTERN PASSAGE
 Your C.O.C. #: N/A

Attention: Megan Kelly

Stantec Consulting Ltd
 40 Highfield Park Drive
 Suite 102
 Dartmouth, NS
 CANADA B3A 0A3

Report Date: 2024/05/10
 Report #: R8144155
 Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4D2061

Received: 2024/05/02, 13:18

Sample Matrix: Soil
 # Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Benzo(b/j)fluoranthene Sum (soil)	1	N/A	2024/05/07	N/A	Auto Calc.
TEH in Soil (PIRI) (3)	1	2024/05/06	2024/05/06	ATL SOP 00111	Atl. RBCA v3.1 m
Petroleum Hydrocarbons F2-F4 in Soil (1, 4)	1	2024/05/08	2024/05/08	CAM SOP-00316	CCME CWS m
Metals Solids Acid Extr. ICPMS	12	2024/05/08	2024/05/08	ATL SOP 00058	EPA 6020B R2 m
Moisture (Subcontracted) (2, 5)	1	N/A	2024/05/08	AB SOP-00002	CCME PHC-CWS m
VOCs in Soil by HS GC/MS (Std List) (2, 6)	1	N/A	2024/05/09	AB SOP-00056	EPA 5021a/8260d m
Moisture	1	N/A	2024/05/07	ATL SOP 00001	OMOE Handbook 1983 m
PAH Compounds by GCMS (SIM) (3)	1	2024/05/06	2024/05/06	ATL SOP 00102	EPA 8270E R6 m
ModTPH (T1) Calc. for Soil	1	N/A	2024/05/07	N/A	Atl. RBCA v3.1 m
Volatile Organic Compounds and F1 PHCs (1)	1	N/A	2024/05/08	CAM SOP-00230	EPA 8260C m
VPH in Soil (PIRI) - Field Preserved (7)	1	N/A	2024/05/06	ATL SOP 00119	Atl. RBCA v3.1 m

Remarks:

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

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

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

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

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

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

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

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



Your P.O. #: 133432095.245
Your Project #: 133432095
Site#: 00365957
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your C.O.C. #: N/A

Attention: Megan Kelly

Stantec Consulting Ltd
40 Highfield Park Drive
Suite 102
Dartmouth, NS
CANADA B3A 0A3

Report Date: 2024/05/10
Report #: R8144155
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4D2061

Received: 2024/05/02, 13:18

- (1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
- (2) This test was performed by Bureau Veritas Calgary, 4000-19th Street North-East , Calgary, AB, T2E 6P8
- (3) Soils are reported on a dry weight basis unless otherwise specified.
- (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) Offsite analysis requires that subcontracted moisture be reported.
- (6) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is date sampled unless otherwise stated.
- (7) No lab extraction date is given for C6-C10/BTEX and VOC samples that are field preserved with methanol. Extraction date is date sampled unless otherwise stated.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Marie Muise, Key Account Specialist
Email: Marie.MUISE@bureauveritas.com
Phone# (902)420-0203 Ext:253

=====

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 Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZBL189		
Sampling Date		2024/05/02 10:15		
	UNITS	TP24-LK 01 SS1	RDL	QC Batch
Petroleum Hydrocarbons				
Benzene	mg/kg	<0.0050	0.0050	9375550
Toluene	mg/kg	<0.050	0.050	9375550
Ethylbenzene	mg/kg	<0.010	0.010	9375550
Total Xylenes	mg/kg	<0.050	0.050	9375550
C6 - C10 (less BTEX)	mg/kg	<2.5	2.5	9375550
>C10-C16 Hydrocarbons	mg/kg	<10	10	9375324
>C16-C21 Hydrocarbons	mg/kg	36	10	9375324
>C21-<C32 Hydrocarbons	mg/kg	340	15	9375324
Modified TPH (Tier1)	mg/kg	370	15	9371579
Reached Baseline at C32	mg/kg	No	N/A	9375324
Hydrocarbon Resemblance	mg/kg	COMMENT (1)	N/A	9375324
Surrogate Recovery (%)				
Isobutylbenzene - Extractable	%	88	N/A	9375324
n-Dotriacontane - Extractable	%	116	N/A	9375324
Isobutylbenzene - Volatile	%	87	N/A	9375550
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Lube oil fraction.				



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

Bureau Veritas ID		ZBL189		
Sampling Date		2024/05/02 10:15		
	UNITS	TP24-LK 01 SS1	RDL	QC Batch
Volatile Organics				
Benzene	ug/g	<0.0060	0.0060	9379212
Ethylbenzene	ug/g	<0.010	0.010	9379212
Toluene	ug/g	<0.020	0.020	9379212
p+m-Xylene	ug/g	<0.020	0.020	9379212
o-Xylene	ug/g	<0.020	0.020	9379212
Total Xylenes	ug/g	<0.020	0.020	9379212
F1 (C6-C10)	ug/g	<10	10	9379212
F1 (C6-C10) - BTEX	ug/g	<10	10	9379212
F2-F4 Hydrocarbons				
F2 (C10-C16 Hydrocarbons)	ug/g	<10	10	9379617
F3 (C16-C34 Hydrocarbons)	ug/g	<50	50	9379617
F4 (C34-C50 Hydrocarbons)	ug/g	<50	50	9379617
Reached Baseline at C50	ug/g	Yes	N/A	9379617
Surrogate Recovery (%)				
o-Terphenyl	%	90	N/A	9379617
4-Bromofluorobenzene	%	97	N/A	9379212
D10-o-Xylene	%	91	N/A	9379212
D4-1,2-Dichloroethane	%	97	N/A	9379212
D8-Toluene	%	98	N/A	9379212
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable				



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBL189		
Sampling Date		2024/05/02 10:15		
	UNITS	TP24-LK 01 SS1	RDL	QC Batch
Inorganics				
Moisture	%	17	1.0	9374891
Physical Testing				
Moisture-Subcontracted	%	25	0.30	9386762
Volatile Organics				
Bromodichloromethane	mg/kg	<0.030	0.030	9386763
Bromoform	mg/kg	<0.050	0.050	9386763
Bromomethane	mg/kg	<0.020	0.020	9386763
Carbon Tetrachloride	mg/kg	<0.00050	0.00050	9386763
Chlorobenzene	mg/kg	<0.0050	0.0050	9386763
Dibromochloromethane	mg/kg	<0.020	0.020	9386763
Chloroethane	mg/kg	<0.020	0.020	9386763
Chloroform	mg/kg	<0.010	0.010	9386763
Chloromethane	mg/kg	<0.030	0.030	9386763
Ethylene Dibromide	mg/kg	<0.0020	0.0020	9386763
1,2-Dichlorobenzene	mg/kg	<0.020	0.020	9386763
1,3-Dichlorobenzene	mg/kg	<0.020	0.020	9386763
1,4-Dichlorobenzene	mg/kg	<0.020	0.020	9386763
1,1-Dichloroethane	mg/kg	<0.020	0.020	9386763
1,2-Dichloroethane	mg/kg	<0.0020	0.0020	9386763
1,1-Dichloroethene	mg/kg	<0.020	0.020	9386763
cis-1,2-Dichloroethene	mg/kg	<0.020	0.020	9386763
trans-1,2-Dichloroethene	mg/kg	<0.020	0.020	9386763
Methylene Chloride(Dichloromethane)	mg/kg	<0.030	0.030	9386763
1,2-Dichloropropane	mg/kg	<0.020	0.020	9386763
cis-1,3-Dichloropropene	mg/kg	<0.020	0.020	9386763
trans-1,3-Dichloropropene	mg/kg	<0.020	0.020	9386763
Methyl methacrylate	mg/kg	<0.040	0.040	9386763
Methyl t-butyl ether (MTBE)	mg/kg	<0.030	0.030	9386763
Styrene	mg/kg	<0.020	0.020	9386763
1,1,1,2-Tetrachloroethane	mg/kg	<0.050	0.050	9386763
1,1,1,2,2-Tetrachloroethane	mg/kg	<0.050	0.050	9386763
Tetrachloroethylene	mg/kg	<0.010	0.010	9386763
1,2,3-Trichlorobenzene	mg/kg	<0.040	0.040	9386763
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZBL189		
Sampling Date		2024/05/02 10:15		
	UNITS	TP24-LK 01 SS1	RDL	QC Batch
1,2,4-Trichlorobenzene	mg/kg	<0.040	0.040	9386763
1,3,5-Trichlorobenzene	mg/kg	<0.040	0.040	9386763
1,1,1-Trichloroethane	mg/kg	<0.020	0.020	9386763
1,1,2-Trichloroethane	mg/kg	<0.020	0.020	9386763
Trichloroethylene	mg/kg	<0.0010	0.0010	9386763
Trichlorofluoromethane (FREON 11)	mg/kg	<0.020	0.020	9386763
1,2,4-Trimethylbenzene	mg/kg	<0.50	0.50	9386763
1,3,5-Trimethylbenzene	mg/kg	<0.50	0.50	9386763
Vinyl Chloride	mg/kg	<0.00030	0.00030	9386763
Surrogate Recovery (%)				
1,4-Difluorobenzene	%	104	N/A	9386763
4-Bromofluorobenzene	%	93	N/A	9386763
D10-o-Xylene	%	131	N/A	9386763
D4-1,2-Dichloroethane	%	97	N/A	9386763
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable				



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ZBL178	ZBL179	ZBL180	ZBL181	ZBL182	ZBL183		
Sampling Date		2024/05/02 08:09	2024/05/02 08:21	2024/05/02 08:27	2024/05/02 08:33	2024/05/02 09:01	2024/05/02 08:57		
	UNITS	SS24-FR01	SS24-FR02	SS24-FR03	SS24-FR04	SS24-FR05	SS24-FR06	RDL	QC Batch

Metals									
Acid Extractable Aluminum (Al)	mg/kg	10000	9400	4800	6100	11000	4700	10	9380073
Acid Extractable Antimony (Sb)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9380073
Acid Extractable Arsenic (As)	mg/kg	7.5	4.6	4.3	4.2	3.9	3.6	2.0	9380073
Acid Extractable Barium (Ba)	mg/kg	63	25	15	16	29	28	5.0	9380073
Acid Extractable Beryllium (Be)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9380073
Acid Extractable Bismuth (Bi)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9380073
Acid Extractable Boron (B)	mg/kg	<50	<50	<50	<50	<50	<50	50	9380073
Acid Extractable Cadmium (Cd)	mg/kg	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	9380073
Acid Extractable Chromium (Cr)	mg/kg	16	15	7.6	9.2	16	6.7	2.0	9380073
Acid Extractable Cobalt (Co)	mg/kg	8.1	5.2	2.9	3.8	6.0	2.4	1.0	9380073
Acid Extractable Copper (Cu)	mg/kg	25	13	5.9	7.6	5.7	3.9	2.0	9380073
Acid Extractable Iron (Fe)	mg/kg	24000	18000	12000	12000	21000	9900	50	9380073
Acid Extractable Lead (Pb)	mg/kg	16	14	13	20	9.5	9.9	0.50	9380073
Acid Extractable Lithium (Li)	mg/kg	20	19	8.6	10	23	8.8	2.0	9380073
Acid Extractable Manganese (Mn)	mg/kg	350	200	120	190	240	91	2.0	9380073
Acid Extractable Mercury (Hg)	mg/kg	<0.10	<0.10	<0.10	0.10	<0.10	<0.10	0.10	9380073
Acid Extractable Molybdenum (Mo)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9380073
Acid Extractable Nickel (Ni)	mg/kg	17	14	7.6	8.4	16	6.4	2.0	9380073
Acid Extractable Rubidium (Rb)	mg/kg	8.7	6.1	3.7	5.2	6.4	4.9	2.0	9380073
Acid Extractable Selenium (Se)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9380073
Acid Extractable Silver (Ag)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9380073
Acid Extractable Strontium (Sr)	mg/kg	6.7	5.2	<5.0	5.1	5.2	<5.0	5.0	9380073
Acid Extractable Thallium (Tl)	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	9380073
Acid Extractable Tin (Sn)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9380073
Acid Extractable Uranium (U)	mg/kg	0.69	0.55	0.33	0.47	0.70	0.27	0.10	9380073
Acid Extractable Vanadium (V)	mg/kg	19	17	11	13	17	13	2.0	9380073
Acid Extractable Zinc (Zn)	mg/kg	42	37	100	22	37	20	5.0	9380073

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ZBL184	ZBL185	ZBL186	ZBL186	ZBL187	ZBL188		
Sampling Date		2024/05/02 08:45	2024/05/02 09:32	2024/05/02 09:10	2024/05/02 09:10	2024/05/02 09:20	2024/05/02		
	UNITS	SS24-FR07	SS24-FR08	SS24-FR09	SS24-FR09 Lab-Dup	SS24-FR10	SS24-FR DUP	RDL	QC Batch

Metals									
Acid Extractable Aluminum (Al)	mg/kg	3800	5800	7600	7700	5300	4300	10	9380073
Acid Extractable Antimony (Sb)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9380073
Acid Extractable Arsenic (As)	mg/kg	4.5	2.2	24	26	3.9	4.8	2.0	9380073
Acid Extractable Barium (Ba)	mg/kg	15	18	31	31	17	22	5.0	9380073
Acid Extractable Beryllium (Be)	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	9380073
Acid Extractable Bismuth (Bi)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9380073
Acid Extractable Boron (B)	mg/kg	<50	<50	<50	<50	<50	<50	50	9380073
Acid Extractable Cadmium (Cd)	mg/kg	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	9380073
Acid Extractable Chromium (Cr)	mg/kg	6.2	7.0	13	13	9.1	6.4	2.0	9380073
Acid Extractable Cobalt (Co)	mg/kg	2.2	2.5	3.7	3.5	3.8	2.4	1.0	9380073
Acid Extractable Copper (Cu)	mg/kg	9.8	23	26	26	8.4	14	2.0	9380073
Acid Extractable Iron (Fe)	mg/kg	11000	5600	23000	25000	11000	12000	50	9380073
Acid Extractable Lead (Pb)	mg/kg	24	50	170	180	18	43	0.50	9380073
Acid Extractable Lithium (Li)	mg/kg	7.3	7.1	13	14	12	7.6	2.0	9380073
Acid Extractable Manganese (Mn)	mg/kg	110	140	160	170	140	120	2.0	9380073
Acid Extractable Mercury (Hg)	mg/kg	<0.10	0.11	0.10	0.12	<0.10	<0.10	0.10	9380073
Acid Extractable Molybdenum (Mo)	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	9380073
Acid Extractable Nickel (Ni)	mg/kg	5.6	6.8	11	12	9.3	7.0	2.0	9380073
Acid Extractable Rubidium (Rb)	mg/kg	3.2	6.9	6.3	6.7	3.9	3.8	2.0	9380073
Acid Extractable Selenium (Se)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9380073
Acid Extractable Silver (Ag)	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9380073
Acid Extractable Strontium (Sr)	mg/kg	<5.0	7.5	8.2	8.3	6.2	5.7	5.0	9380073
Acid Extractable Thallium (Tl)	mg/kg	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	9380073
Acid Extractable Tin (Sn)	mg/kg	<1.0	<1.0	5.3	4.7	3.6	<1.0	1.0	9380073
Acid Extractable Uranium (U)	mg/kg	0.60	0.54	0.65	0.68	0.33	0.79	0.10	9380073
Acid Extractable Vanadium (V)	mg/kg	12	9.0	38	39	11	15	2.0	9380073
Acid Extractable Zinc (Zn)	mg/kg	34	29	32	30	29	42	5.0	9380073

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



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		ZBL189		
Sampling Date		2024/05/02 10:15		
	UNITS	TP24-LK 01 SS1	RDL	QC Batch
Metals				
Acid Extractable Aluminum (Al)	mg/kg	11000	10	9379686
Acid Extractable Antimony (Sb)	mg/kg	<2.0	2.0	9379686
Acid Extractable Arsenic (As)	mg/kg	7.9	2.0	9379686
Acid Extractable Barium (Ba)	mg/kg	62	5.0	9379686
Acid Extractable Beryllium (Be)	mg/kg	<1.0	1.0	9379686
Acid Extractable Bismuth (Bi)	mg/kg	<2.0	2.0	9379686
Acid Extractable Boron (B)	mg/kg	<50	50	9379686
Acid Extractable Cadmium (Cd)	mg/kg	<0.30	0.30	9379686
Acid Extractable Chromium (Cr)	mg/kg	16	2.0	9379686
Acid Extractable Cobalt (Co)	mg/kg	7.9	1.0	9379686
Acid Extractable Copper (Cu)	mg/kg	21	2.0	9379686
Acid Extractable Iron (Fe)	mg/kg	20000	50	9379686
Acid Extractable Lead (Pb)	mg/kg	18	0.50	9379686
Acid Extractable Lithium (Li)	mg/kg	18	2.0	9379686
Acid Extractable Manganese (Mn)	mg/kg	370	2.0	9379686
Acid Extractable Mercury (Hg)	mg/kg	<0.10	0.10	9379686
Acid Extractable Molybdenum (Mo)	mg/kg	<2.0	2.0	9379686
Acid Extractable Nickel (Ni)	mg/kg	17	2.0	9379686
Acid Extractable Rubidium (Rb)	mg/kg	9.6	2.0	9379686
Acid Extractable Selenium (Se)	mg/kg	<0.50	0.50	9379686
Acid Extractable Silver (Ag)	mg/kg	<0.50	0.50	9379686
Acid Extractable Strontium (Sr)	mg/kg	10	5.0	9379686
Acid Extractable Thallium (Tl)	mg/kg	<0.10	0.10	9379686
Acid Extractable Tin (Sn)	mg/kg	<1.0	1.0	9379686
Acid Extractable Uranium (U)	mg/kg	0.53	0.10	9379686
Acid Extractable Vanadium (V)	mg/kg	22	2.0	9379686
Acid Extractable Zinc (Zn)	mg/kg	51	5.0	9379686
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Bureau Veritas ID		ZBL189	ZBL189		
Sampling Date		2024/05/02 10:15	2024/05/02 10:15		
	UNITS	TP24-LK 01 SS1	TP24-LK 01 SS1 Lab-Dup	RDL	QC Batch
Polyaromatic Hydrocarbons					
1-Methylnaphthalene	mg/kg	<0.010	<0.010	0.010	9375008
2-Methylnaphthalene	mg/kg	<0.010	<0.010	0.010	9375008
Acenaphthene	mg/kg	<0.010	<0.010	0.010	9375008
Acenaphthylene	mg/kg	<0.010	<0.010	0.010	9375008
Anthracene	mg/kg	<0.010	<0.010	0.010	9375008
Benzo(a)anthracene	mg/kg	0.019	<0.010	0.010	9375008
Benzo(a)pyrene	mg/kg	0.013	<0.010	0.010	9375008
Benzo(b)fluoranthene	mg/kg	<0.010	<0.010	0.010	9375008
Benzo(b/j)fluoranthene	mg/kg	<0.020	N/A	0.020	9371509
Benzo(g,h,i)perylene	mg/kg	<0.010	<0.010	0.010	9375008
Benzo(j)fluoranthene	mg/kg	<0.010	<0.010	0.010	9375008
Benzo(k)fluoranthene	mg/kg	<0.010	<0.010	0.010	9375008
Chrysene	mg/kg	0.020	0.013	0.010	9375008
Dibenzo(a,h)anthracene	mg/kg	<0.010	<0.010	0.010	9375008
Fluoranthene	mg/kg	0.036	0.021	0.010	9375008
Fluorene	mg/kg	<0.010	<0.010	0.010	9375008
Indeno(1,2,3-cd)pyrene	mg/kg	<0.010	<0.010	0.010	9375008
Naphthalene	mg/kg	<0.010	<0.010	0.010	9375008
Perylene	mg/kg	<0.010	<0.010	0.010	9375008
Phenanthrene	mg/kg	0.025	0.014	0.010	9375008
Pyrene	mg/kg	0.027	0.015	0.010	9375008
Surrogate Recovery (%)					
D10-Anthracene	%	90	94	N/A	9375008
D14-Terphenyl (FS)	%	100	99	N/A	9375008
D8-Acenaphthylene	%	85	90	N/A	9375008
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable					



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBL178
Sample ID: SS24-FR01
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9380073	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBL179
Sample ID: SS24-FR02
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9380073	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBL180
Sample ID: SS24-FR03
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9380073	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBL181
Sample ID: SS24-FR04
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9380073	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBL182
Sample ID: SS24-FR05
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9380073	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBL183
Sample ID: SS24-FR06
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9380073	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBL184
Sample ID: SS24-FR07
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9380073	2024/05/08	2024/05/08	Mike Leblanc



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBL185
Sample ID: SS24-FR08
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9380073	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBL186
Sample ID: SS24-FR09
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9380073	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBL186 Dup
Sample ID: SS24-FR09
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9380073	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBL187
Sample ID: SS24-FR10
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9380073	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBL188
Sample ID: SS24-FR DUP
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals Solids Acid Extr. ICPMS	ICP/MS	9380073	2024/05/08	2024/05/08	Mike Leblanc

Bureau Veritas ID: ZBL189
Sample ID: TP24-LK 01 SS1
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Benzo(b/j)fluoranthene Sum (soil)	CALC	9371509	N/A	2024/05/07	Automated Statchk
TEH in Soil (PIRI)	GC/FID	9375324	2024/05/06	2024/05/06	Amanda Bryan
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9379617	2024/05/08	2024/05/08	Jeevaraj Jeevaratnam
Metals Solids Acid Extr. ICPMS	ICP/MS	9379686	2024/05/08	2024/05/08	Mike Leblanc
Moisture (Subcontracted)	BAL	9386762	N/A	2024/05/08	Olha Kovalenko
VOCs in Soil by HS GC/MS (Std List)	HSGC/MS	9386763	N/A	2024/05/09	Ancheol Jeong
Moisture	BAL	9374891	N/A	2024/05/07	Rajdeep Dev
PAH Compounds by GCMS (SIM)	GC/MS	9375008	2024/05/06	2024/05/06	Sharmin Akter
ModTPH (T1) Calc. for Soil	CALC	9371579	N/A	2024/05/07	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9379212	N/A	2024/05/08	Blair Gannon



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: ZBL189
Sample ID: TP24-LK 01 SS1
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
VPH in Soil (PIRI) - Field Preserved	PTGC/MS	9375550	N/A	2024/05/06	Abhinand Mohanakumaran Nair Sreekala

Bureau Veritas ID: ZBL189 Dup
Sample ID: TP24-LK 01 SS1
Matrix: Soil

Collected: 2024/05/02
Shipped:
Received: 2024/05/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PAH Compounds by GCMS (SIM)	GC/MS	9375008	2024/05/06	2024/05/06	Sharmin Akter



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

GENERAL COMMENTS

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

Package 1	0.0°C
-----------	-------

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061

Report Date: 2024/05/10

QUALITY ASSURANCE REPORT

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE RD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9375008	D10-Anthracene	2024/05/06	93	50 - 130	92	50 - 130	91	%		
9375008	D14-Terphenyl (FS)	2024/05/06	94	50 - 130	95	50 - 130	94	%		
9375008	D8-Acenaphthylene	2024/05/06	90	50 - 130	84	50 - 130	87	%		
9375324	Isobutylbenzene - Extractable	2024/05/06	68	60 - 130	66	60 - 130	69	%		
9375324	n-Dotriacontane - Extractable	2024/05/06	115	60 - 130	108	60 - 130	109	%		
9375550	Isobutylbenzene - Volatile	2024/05/06	95	60 - 130	96	60 - 130	97	%		
9379212	4-Bromofluorobenzene	2024/05/08	98	60 - 140	99	60 - 140	97	%		
9379212	D10-o-Xylene	2024/05/08	105	60 - 130	97	60 - 130	94	%		
9379212	D4-1,2-Dichloroethane	2024/05/08	94	60 - 140	100	60 - 140	100	%		
9379212	D8-Toluene	2024/05/08	104	60 - 140	103	60 - 140	98	%		
9379617	o-Terphenyl	2024/05/08	93	60 - 130	94	60 - 130	92	%		
9386763	1,4-Difluorobenzene	2024/05/09	102	50 - 140	103	50 - 140	103	%		
9386763	4-Bromofluorobenzene	2024/05/09	116	50 - 140	93	50 - 140	95	%		
9386763	D10-o-Xylene	2024/05/09	108	50 - 140	110	50 - 140	112	%		
9386763	D4-1,2-Dichloroethane	2024/05/09	105	50 - 140	97	50 - 140	97	%		
9374891	Moisture	2024/05/07							4.9	25
9375008	1-Methylnaphthalene	2024/05/06	89	50 - 130	87	50 - 130	<0.010	mg/kg	NC	50
9375008	2-Methylnaphthalene	2024/05/06	93	50 - 130	93	50 - 130	<0.010	mg/kg	NC	50
9375008	Acenaphthene	2024/05/06	88	50 - 130	86	50 - 130	<0.010	mg/kg	NC	50
9375008	Acenaphthylene	2024/05/06	94	50 - 130	88	50 - 130	<0.010	mg/kg	NC	50
9375008	Anthracene	2024/05/06	96	50 - 130	94	50 - 130	<0.010	mg/kg	NC	50
9375008	Benzo(a)anthracene	2024/05/06	105	50 - 130	94	50 - 130	<0.010	mg/kg	NC	50
9375008	Benzo(a)pyrene	2024/05/06	76	50 - 130	79	50 - 130	<0.010	mg/kg	24	50
9375008	Benzo(b)fluoranthene	2024/05/06	76	50 - 130	83	50 - 130	<0.010	mg/kg	NC	50
9375008	Benzo(g,h,i)perylene	2024/05/06	71	50 - 130	82	50 - 130	<0.010	mg/kg	NC	50
9375008	Benzo(j)fluoranthene	2024/05/06	80	50 - 130	84	50 - 130	<0.010	mg/kg	NC	50
9375008	Benzo(k)fluoranthene	2024/05/06	82	50 - 130	85	50 - 130	<0.010	mg/kg	NC	50
9375008	Chrysene	2024/05/06	102	50 - 130	99	50 - 130	<0.010	mg/kg	43	50
9375008	Dibenzo(a,h)anthracene	2024/05/06	76	50 - 130	83	50 - 130	<0.010	mg/kg	NC	50
9375008	Fluoranthene	2024/05/06	95	50 - 130	93	50 - 130	<0.010	mg/kg	NC	50
9375008	Fluorene	2024/05/06	90	50 - 130	90	50 - 130	<0.010	mg/kg	NC	50



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061

Report Date: 2024/05/10

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE RD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9375008	Indeno(1,2,3-cd)pyrene	2024/05/06	76	50 - 130	81	50 - 130	<0.010	mg/kg	NC	50
9375008	Naphthalene	2024/05/06	84	50 - 130	80	50 - 130	<0.010	mg/kg	NC	50
9375008	Perylene	2024/05/06	73	50 - 130	75	50 - 130	<0.010	mg/kg	NC	50
9375008	Phenanthrene	2024/05/06	95	50 - 130	95	50 - 130	<0.010	mg/kg	NC	50
9375008	Pyrene	2024/05/06	93	50 - 130	91	50 - 130	<0.010	mg/kg	NC	50
9375324	>C10-C16 Hydrocarbons	2024/05/06	NC	30 - 130	89	60 - 130	<10	mg/kg	42	50
9375324	>C16-C21 Hydrocarbons	2024/05/06	87	30 - 130	87	60 - 130	<10	mg/kg	44	50
9375324	>C21-<C32 Hydrocarbons	2024/05/06	81	30 - 130	83	60 - 130	<15	mg/kg	19	50
9375550	Benzene	2024/05/06	113	60 - 130	110	60 - 140	<0.0050	mg/kg	NC	50
9375550	C6 - C10 (less BTEX)	2024/05/06					<2.5	mg/kg	NC	50
9375550	Ethylbenzene	2024/05/06	113	60 - 130	109	60 - 140	<0.010	mg/kg	NC	50
9375550	Toluene	2024/05/06	107	60 - 130	109	60 - 140	<0.050	mg/kg	NC	50
9375550	Total Xylenes	2024/05/06	110	60 - 130	110	60 - 140	<0.050	mg/kg	NC	50
9379212	Benzene	2024/05/08	92	60 - 140	93	60 - 130	<0.0060	ug/g	NC	50
9379212	Ethylbenzene	2024/05/08	95	60 - 140	94	60 - 130	<0.010	ug/g	NC	50
9379212	F1 (C6-C10) - BTEX	2024/05/08					<10	ug/g	NC	30
9379212	F1 (C6-C10)	2024/05/08	121	60 - 140	92	80 - 120	<10	ug/g	NC	30
9379212	o-Xylene	2024/05/08	87	60 - 140	88	60 - 130	<0.020	ug/g	NC	50
9379212	p+m-Xylene	2024/05/08	103	60 - 140	101	60 - 130	<0.020	ug/g	NC	50
9379212	Toluene	2024/05/08	95	60 - 140	93	60 - 130	<0.020	ug/g	NC	50
9379212	Total Xylenes	2024/05/08					<0.020	ug/g	NC	50
9379617	F2 (C10-C16 Hydrocarbons)	2024/05/08	99	60 - 130	97	80 - 120	<10	ug/g	NC	30
9379617	F3 (C16-C34 Hydrocarbons)	2024/05/08	101	60 - 130	101	80 - 120	<50	ug/g	NC	30
9379617	F4 (C34-C50 Hydrocarbons)	2024/05/08	101	60 - 130	98	80 - 120	<50	ug/g	NC	30
9379686	Acid Extractable Aluminum (Al)	2024/05/08					<10	mg/kg	4.7	35
9379686	Acid Extractable Antimony (Sb)	2024/05/08	88	75 - 125	100	75 - 125	<2.0	mg/kg	NC	35
9379686	Acid Extractable Arsenic (As)	2024/05/08	97	75 - 125	98	75 - 125	<2.0	mg/kg	0.49	35
9379686	Acid Extractable Barium (Ba)	2024/05/08	NC	75 - 125	98	75 - 125	<5.0	mg/kg	1.1	35
9379686	Acid Extractable Beryllium (Be)	2024/05/08	100	75 - 125	97	75 - 125	<1.0	mg/kg	NC	35
9379686	Acid Extractable Bismuth (Bi)	2024/05/08	99	75 - 125	99	75 - 125	<2.0	mg/kg	NC	35
9379686	Acid Extractable Boron (B)	2024/05/08	87	75 - 125	97	75 - 125	<50	mg/kg	NC	35



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061

Report Date: 2024/05/10

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE RD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9379686	Acid Extractable Cadmium (Cd)	2024/05/08	100	75 - 125	99	75 - 125	<0.30	mg/kg	NC	35
9379686	Acid Extractable Chromium (Cr)	2024/05/08	100	75 - 125	99	75 - 125	<2.0	mg/kg	1.3	35
9379686	Acid Extractable Cobalt (Co)	2024/05/08	98	75 - 125	99	75 - 125	<1.0	mg/kg	1.3	35
9379686	Acid Extractable Copper (Cu)	2024/05/08	97	75 - 125	98	75 - 125	<2.0	mg/kg	2.2	35
9379686	Acid Extractable Iron (Fe)	2024/05/08					<50	mg/kg	0.23	35
9379686	Acid Extractable Lead (Pb)	2024/05/08	102	75 - 125	98	75 - 125	<0.50	mg/kg	5.4	35
9379686	Acid Extractable Lithium (Li)	2024/05/08	104	75 - 125	99	75 - 125	<2.0	mg/kg	4.1	35
9379686	Acid Extractable Manganese (Mn)	2024/05/08	NC	75 - 125	99	75 - 125	<2.0	mg/kg	2.5	35
9379686	Acid Extractable Mercury (Hg)	2024/05/08	102	75 - 125	102	75 - 125	<0.10	mg/kg	NC	35
9379686	Acid Extractable Molybdenum (Mo)	2024/05/08	98	75 - 125	105	75 - 125	<2.0	mg/kg	NC	35
9379686	Acid Extractable Nickel (Ni)	2024/05/08	96	75 - 125	100	75 - 125	<2.0	mg/kg	1.0	35
9379686	Acid Extractable Rubidium (Rb)	2024/05/08	93	75 - 125	100	75 - 125	<2.0	mg/kg	3.3	35
9379686	Acid Extractable Selenium (Se)	2024/05/08	99	75 - 125	100	75 - 125	<0.50	mg/kg	NC	35
9379686	Acid Extractable Silver (Ag)	2024/05/08	99	75 - 125	99	75 - 125	<0.50	mg/kg	NC	35
9379686	Acid Extractable Strontium (Sr)	2024/05/08	102	75 - 125	101	75 - 125	<5.0	mg/kg	8.6	35
9379686	Acid Extractable Thallium (Tl)	2024/05/08	100	75 - 125	100	75 - 125	<0.10	mg/kg	2.3	35
9379686	Acid Extractable Tin (Sn)	2024/05/08	99	75 - 125	96	75 - 125	<1.0	mg/kg	NC	35
9379686	Acid Extractable Uranium (U)	2024/05/08	100	75 - 125	99	75 - 125	<0.10	mg/kg	3.6	35
9379686	Acid Extractable Vanadium (V)	2024/05/08	97	75 - 125	99	75 - 125	<2.0	mg/kg	1.4	35
9379686	Acid Extractable Zinc (Zn)	2024/05/08	NC	75 - 125	101	75 - 125	<5.0	mg/kg	0.035	35
9380073	Acid Extractable Aluminum (Al)	2024/05/08					<10	mg/kg	2.2	35
9380073	Acid Extractable Antimony (Sb)	2024/05/08	99	75 - 125	96	75 - 125	<2.0	mg/kg	NC	35
9380073	Acid Extractable Arsenic (As)	2024/05/08	100	75 - 125	94	75 - 125	<2.0	mg/kg	9.2	35
9380073	Acid Extractable Barium (Ba)	2024/05/08	101	75 - 125	95	75 - 125	<5.0	mg/kg	1.1	35
9380073	Acid Extractable Beryllium (Be)	2024/05/08	93	75 - 125	92	75 - 125	<1.0	mg/kg	NC	35
9380073	Acid Extractable Bismuth (Bi)	2024/05/08	95	75 - 125	95	75 - 125	<2.0	mg/kg	NC	35
9380073	Acid Extractable Boron (B)	2024/05/08	85	75 - 125	96	75 - 125	<50	mg/kg	NC	35
9380073	Acid Extractable Cadmium (Cd)	2024/05/08	99	75 - 125	99	75 - 125	<0.30	mg/kg	NC	35
9380073	Acid Extractable Chromium (Cr)	2024/05/08	98	75 - 125	96	75 - 125	<2.0	mg/kg	0.56	35
9380073	Acid Extractable Cobalt (Co)	2024/05/08	97	75 - 125	96	75 - 125	<1.0	mg/kg	6.5	35
9380073	Acid Extractable Copper (Cu)	2024/05/08	97	75 - 125	95	75 - 125	<2.0	mg/kg	2.2	35



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061

Report Date: 2024/05/10

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE RD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9380073	Acid Extractable Iron (Fe)	2024/05/08					<50	mg/kg	4.9	35
9380073	Acid Extractable Lead (Pb)	2024/05/08	NC	75 - 125	96	75 - 125	<0.50	mg/kg	9.7	35
9380073	Acid Extractable Lithium (Li)	2024/05/08	98	75 - 125	96	75 - 125	<2.0	mg/kg	2.5	35
9380073	Acid Extractable Manganese (Mn)	2024/05/08	NC	75 - 125	96	75 - 125	<2.0	mg/kg	4.3	35
9380073	Acid Extractable Mercury (Hg)	2024/05/08	96	75 - 125	100	75 - 125	<0.10	mg/kg	15	35
9380073	Acid Extractable Molybdenum (Mo)	2024/05/08	100	75 - 125	98	75 - 125	<2.0	mg/kg	NC	35
9380073	Acid Extractable Nickel (Ni)	2024/05/08	97	75 - 125	97	75 - 125	<2.0	mg/kg	1.2	35
9380073	Acid Extractable Rubidium (Rb)	2024/05/08	95	75 - 125	94	75 - 125	<2.0	mg/kg	5.5	35
9380073	Acid Extractable Selenium (Se)	2024/05/08	97	75 - 125	97	75 - 125	<0.50	mg/kg	NC	35
9380073	Acid Extractable Silver (Ag)	2024/05/08	93	75 - 125	97	75 - 125	<0.50	mg/kg	NC	35
9380073	Acid Extractable Strontium (Sr)	2024/05/08	102	75 - 125	97	75 - 125	<5.0	mg/kg	1.9	35
9380073	Acid Extractable Thallium (Tl)	2024/05/08	100	75 - 125	97	75 - 125	<0.10	mg/kg	NC	35
9380073	Acid Extractable Tin (Sn)	2024/05/08	NC	75 - 125	99	75 - 125	<1.0	mg/kg	13	35
9380073	Acid Extractable Uranium (U)	2024/05/08	97	75 - 125	96	75 - 125	<0.10	mg/kg	4.1	35
9380073	Acid Extractable Vanadium (V)	2024/05/08	104	75 - 125	96	75 - 125	<2.0	mg/kg	2.8	35
9380073	Acid Extractable Zinc (Zn)	2024/05/08	99	75 - 125	102	75 - 125	<5.0	mg/kg	4.8	35
9386762	Moisture-Subcontracted	2024/05/08					<0.30	%		
9386763	1,1,1,2-Tetrachloroethane	2024/05/09	98	50 - 140	109	60 - 130	<0.050	mg/kg		
9386763	1,1,1-Trichloroethane	2024/05/09	97	50 - 140	95	60 - 130	<0.020	mg/kg		
9386763	1,1,2,2-Tetrachloroethane	2024/05/09	128	50 - 140	104	60 - 130	<0.050	mg/kg		
9386763	1,1,2-Trichloroethane	2024/05/09			97	60 - 130	<0.020	mg/kg		
9386763	1,1-Dichloroethane	2024/05/09	86	50 - 140	83	60 - 130	<0.020	mg/kg		
9386763	1,1-Dichloroethene	2024/05/09	91	50 - 140	90	60 - 130	<0.020	mg/kg		
9386763	1,2,3-Trichlorobenzene	2024/05/09	96	50 - 140	95	60 - 130	<0.040	mg/kg		
9386763	1,2,4-Trichlorobenzene	2024/05/09	97	50 - 140	97	60 - 130	<0.040	mg/kg		
9386763	1,2,4-Trimethylbenzene	2024/05/09	99	50 - 140	86	60 - 130	<0.50	mg/kg		
9386763	1,2-Dichlorobenzene	2024/05/09	95	50 - 140	96	60 - 130	<0.020	mg/kg		
9386763	1,2-Dichloroethane	2024/05/09	96	50 - 140	91	60 - 130	<0.0020	mg/kg		
9386763	1,2-Dichloropropane	2024/05/09	88	50 - 140	83	60 - 130	<0.020	mg/kg		
9386763	1,3,5-Trichlorobenzene	2024/05/09	98	50 - 140	99	60 - 130	<0.040	mg/kg		
9386763	1,3,5-Trimethylbenzene	2024/05/09	105	50 - 140	86	60 - 130	<0.50	mg/kg		



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061

Report Date: 2024/05/10

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE RD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9386763	1,3-Dichlorobenzene	2024/05/09	96	50 - 140	95	60 - 130	<0.020	mg/kg		
9386763	1,4-Dichlorobenzene	2024/05/09	93	50 - 140	92	60 - 130	<0.020	mg/kg		
9386763	Bromodichloromethane	2024/05/09	99	50 - 140	96	60 - 130	<0.030	mg/kg		
9386763	Bromoform	2024/05/09	106	50 - 140	120	60 - 130	<0.050	mg/kg		
9386763	Bromomethane	2024/05/09	96	50 - 140	100	60 - 130	<0.020	mg/kg		
9386763	Carbon Tetrachloride	2024/05/09	100	50 - 140	99	60 - 130	<0.00050	mg/kg		
9386763	Chlorobenzene	2024/05/09	94	50 - 140	105	60 - 130	<0.0050	mg/kg		
9386763	Chloroethane	2024/05/09	81	50 - 140	83	60 - 130	<0.020	mg/kg		
9386763	Chloroform	2024/05/09	99	50 - 140	92	60 - 130	<0.010	mg/kg		
9386763	Chloromethane	2024/05/09	69	50 - 140	75	60 - 130	<0.030	mg/kg		
9386763	cis-1,2-Dichloroethene	2024/05/09	98	50 - 140	93	60 - 130	<0.020	mg/kg		
9386763	cis-1,3-Dichloropropene	2024/05/09	103	50 - 140	102	60 - 130	<0.020	mg/kg		
9386763	Dibromochloromethane	2024/05/09	102	50 - 140	112	60 - 130	<0.020	mg/kg		
9386763	Ethylene Dibromide	2024/05/09	92	50 - 140	102	60 - 130	<0.0020	mg/kg		
9386763	Methyl methacrylate	2024/05/09			93	60 - 130	<0.040	mg/kg		
9386763	Methyl t-butyl ether (MTBE)	2024/05/09	96	50 - 140	91	60 - 130	<0.030	mg/kg		
9386763	Methylene Chloride(Dichloromethane)	2024/05/09	89	50 - 140	85	60 - 130	<0.030	mg/kg		
9386763	Styrene	2024/05/09	96	50 - 140	107	60 - 130	<0.020	mg/kg		
9386763	Tetrachloroethylene	2024/05/09	93	50 - 140	104	60 - 130	<0.010	mg/kg		
9386763	trans-1,2-Dichloroethene	2024/05/09	94	50 - 140	91	60 - 130	<0.020	mg/kg		
9386763	trans-1,3-Dichloropropene	2024/05/09	98	50 - 140	97	60 - 130	<0.020	mg/kg		
9386763	Trichloroethylene	2024/05/09	98	50 - 140	96	60 - 130	<0.0010	mg/kg		
9386763	Trichlorofluoromethane (FREON 11)	2024/05/09	89	50 - 140	86	60 - 130	<0.020	mg/kg		



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061

Report Date: 2024/05/10

QUALITY ASSURANCE REPORT(CONT'D)

Stantec Consulting Ltd

Client Project #: 133432095

Site Location: 2400 SHORE RD, EASTERN PASSAGE

Your P.O. #: 133432095.245

Sampler Initials: DB

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9386763	Vinyl Chloride	2024/05/09	78	50 - 140	83	60 - 130	<0.00030	mg/kg		
<p>Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.</p> <p>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.</p> <p>Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.</p> <p>Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.</p> <p>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)</p> <p>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).</p>										



BUREAU
VERITAS

Bureau Veritas Job #: C4D2061
Report Date: 2024/05/10

Stantec Consulting Ltd
Client Project #: 133432095
Site Location: 2400 SHORE RD, EASTERN PASSAGE
Your P.O. #: 133432095.245
Sampler Initials: DB

VALIDATION SIGNATURE PAGE

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

Cristina Carriere, Senior Scientific Specialist

Veronica Falk, B.Sc., P.Chem., QP, Scientific Specialist, Organics

Rahul Suryawanshi, Senior Analyst

Janah Rhyno, Scientific Specialist

Phil Deveau, Scientific Specialist (Organics)



Bureau Veritas Proprietary Software
Logiciel Propriétaire de Bureau Veritas

Automated Statchk

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 Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.

July 17, 2024

Page D-1



Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

Attachment D Photographic Log

Client:	DCC	Project:	Soil Management Plan
Site Name:	LBTf	Site Location:	Hartlen Point, Eastern Passage, NS

Photograph ID: 1	
Photo Location: Main Site	
Direction: Facing northwest	
Survey Date: 29-Apr-24	
Comments: General view of the main site	

Photograph ID: 2	
Photo Location: Link 11	
Direction: Facing southeast	
Survey Date: 01-May-24	
Comments: General view of Link 11	

Client:	DCC	Project:	Soil Management Plan
Site Name:	LBTF	Site Location:	Hartlen Point, Eastern Passage, NS
Photograph ID: 3			
Photo Location: Main Site			
Direction: N/A			
Survey Date: 29-Apr-24			
Comments: View of excavator digging test pit TP24-MS09			
Photograph ID: 4			
Photo Location: Main Site			
Direction: N/A			
Survey Date: 29-Apr-24			
Comments: View of general soil stratigraphy beneath the Site			

Client:	DCC	Project:	Soil Management Plan
Site Name:	LBTF	Site Location:	Hartlen Point, Eastern Passage, NS

Photograph ID: 5	
Photo Location: Link 11	
Direction: Facing northwest	
Survey Date: 01-May-24	
Comments: View of TP24-LK03 adjacent to concrete pad for a former former oil tank.	

Photograph ID: 6	
Photo Location: Link 11	
Direction: N/A	
Survey Date: 01-May-24	
Comments: View of the excavated soil from TP-LK03.	

July 17, 2024

Page E-1

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

Attachment E Test Pit Logs

TEST PIT: TP24-LK01

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor:

Drilling method: HAND DUG
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft) (m)		Ground Surface	0.00			
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">0.5</div> <div style="margin-bottom: 5px;">1.0</div> <div style="margin-bottom: 5px;">1.5</div> <div style="margin-bottom: 5px;">2.0</div> <div style="margin-bottom: 5px;">2.5</div> <div style="margin-bottom: 5px;">3.0</div> <div style="margin-bottom: 5px;">3.5</div> <div style="margin-bottom: 5px;">4.0</div> <div style="margin-bottom: 5px;">4.5</div> <div style="margin-bottom: 5px;">5.0</div> <div style="margin-bottom: 5px;">5.5</div> <div style="margin-bottom: 5px;">6.0</div> <div style="margin-bottom: 5px;">6.5</div> <div style="margin-bottom: 5px;">7.0</div> <div style="margin-bottom: 5px;">7.5</div> <div style="margin-bottom: 5px;">8.0</div> <div style="margin-bottom: 5px;">8.5</div> <div style="margin-bottom: 5px;">9.0</div> <div style="margin-bottom: 5px;">9.5</div> <div style="margin-bottom: 5px;">10.0</div> <div style="margin-bottom: 5px;">10.5</div> <div style="margin-bottom: 5px;">11.0</div> <div style="margin-bottom: 5px;">11.5</div> <div style="margin-bottom: 5px;">12.0</div> <div style="margin-bottom: 5px;">12.5</div> <div style="margin-bottom: 5px;">13.0</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">0.2</div> <div style="margin-bottom: 5px;">0.4</div> </div>	GRAVEL over grey SILTY SAND and CLAY End of TEST PIT	0.50	SS1	GS	TPH/BTEX, METALS, PAH, VOC

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 04/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



Drawn By/Checked By: M. KELLY

Sheet 1 of 1

TEST PIT: TP24-LK02

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft)	(m)	Ground Surface				
0.5	0.2	Dark brown SILTY SAND - some cobbles	0.00			
1.0	0.4					
1.5	0.6	Dark brown CLAY - some cobbles - moist	0.60	SS1	GS	TPH/BTEX, METALS
2.0	0.8					
2.5	1.0					
3.0	1.2					
3.5	1.4					
4.0	1.6					
4.5	1.8					
5.0	2.0					
5.5	2.2					
6.0	2.4					
6.5	2.6					
7.0	2.8					
7.5	3.0					
8.0	3.2					
8.5	3.4					
9.0	3.6					
9.5	3.8					
10.0	3.0	End of TEST PIT	3.05	SS2	GS	PAH
10.5	3.2					
11.0	3.4					
11.5	3.6					
12.0	3.8					
12.5	3.0					
13.0	3.2					

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK03

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5	0.2	Dark brown SILTY SAND and grass roots - loamy				
1.0	0.4	Dark brown grey SILTY SAND - petroleum hydrocarbon odour present - moist	0.30			
2.0	0.6	Dark brown CLAY - some cobbles - petroleum hydrocarbon odour present from 0.5 to 2.0 m BGS - moist	0.50			
3.5	1.0			SS1	GS	TPH/BTEX, PAH, VOC
7.0	2.2			SS2	GS	METALS
10.0	3.0	End of TEST PIT	3.05			

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK04

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0	(ft) (m)	Dark brown SILTY SAND - some cobbles				
		Dark brown CLAY - some cobbles - moist	0.60	SS1	GS	TPH/BTEX, METALS
				SS1	GS	PAH
		End of TEST PIT	3.05			

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK05

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth (ft) (m)	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
0.0		Ground Surface	0.00			
0.5		Dark brown SILTY SAND - some cobbles				
1.0						
1.5						
2.0		Dark brown CLAY - some cobbles - moist	0.60	SS1	GS	METALS, PAH
2.5						
3.0						
3.5						
4.0						
4.5						
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
8.0						
8.5						
9.0						
9.5						
10.0		End of TEST PIT	3.05	SS2	GS	TPH/BTEX
10.5						
11.0						
11.5						
12.0						
12.5						
13.0						

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK06

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft) (m)		Ground Surface				
0.5	0.2	Dark brown SILTY SAND - some cobbles	0.00			
1.0	0.4					
1.5	0.6	Dark brown CLAY - some cobbles - moist	0.60			
2.0	0.8					
2.5	1.0			SS1	GS	TPH/BTEX, METALS
3.0	1.2					
3.5	1.4					
4.0	1.6					
4.5	1.8					
5.0	2.0					
5.5	2.2					
6.0	2.4					
6.5	2.6					
7.0	2.8					
7.5	3.0			SS2	GS	PAH, VOC
8.0	3.2					
8.5	3.4					
9.0	3.6					
9.5	3.8					
10.0	3.0	End of TEST PIT	3.05			
10.5	3.2					
11.0	3.4					
11.5	3.6					
12.0	3.8					
12.5	3.0					
13.0	3.2					

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK07

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0	(ft) (m) 	GRAVEL Dark brown CLAY - some cobbles - moist	0.30	SS1	GS	TPH/BTEX, PAH
		End of TEST PIT	3.05			

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK08

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: [REDACTED]
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft) (m)		Ground Surface				
0.5	0.2	Dark brown SILTY SAND and grass roots - loamy	0.00			
1.0	0.4	Dark brown CLAY - some cobbles - moist	0.30	SS1	GS	TPH/BTEX, METALS, PAH
2.0	0.6					
2.5	0.8					
3.0	1.0					
3.5	1.2					
4.0	1.4					
4.5	1.6					
5.0	1.8					
5.5	2.0					
6.0	2.2					
6.5	2.4					
7.0	2.6					
7.5	2.8					
8.0	3.0			SS2	GS	VOC
8.5	3.2					
9.0	3.4					
9.5	3.6					
10.0	3.8					
10.5	3.0	End of TEST PIT	3.05			
11.0	3.2					
11.5	3.4					
12.0	3.6					
12.5	3.8					
13.0						

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK09

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0		Dark brown black SILTY SAND with roots and organics - loamy - moist Grey SANDY CLAY - moist Dark brown CLAY - some cobbles and boulders - moist	0.40 0.50	SS1	GS	METALS, PAH

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK09

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft)	(m)					
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">13.5</div> <div style="margin-bottom: 5px;">14.0</div> <div style="margin-bottom: 5px;">14.5</div> <div style="margin-bottom: 5px;">15.0</div> <div style="margin-bottom: 5px;">15.5</div> <div style="margin-bottom: 5px;">16.0</div> <div style="margin-bottom: 5px;">16.5</div> <div style="margin-bottom: 5px;">17.0</div> <div style="margin-bottom: 5px;">17.5</div> <div style="margin-bottom: 5px;">18.0</div> <div style="margin-bottom: 5px;">18.5</div> <div style="margin-bottom: 5px;">19.0</div> <div style="margin-bottom: 5px;">19.5</div> <div style="margin-bottom: 5px;">20.0</div> <div style="margin-bottom: 5px;">20.5</div> <div style="margin-bottom: 5px;">21.0</div> <div style="margin-bottom: 5px;">21.5</div> <div style="margin-bottom: 5px;">22.0</div> <div style="margin-bottom: 5px;">22.5</div> <div style="margin-bottom: 5px;">23.0</div> <div style="margin-bottom: 5px;">23.5</div> <div style="margin-bottom: 5px;">24.0</div> <div style="margin-bottom: 5px;">24.5</div> <div style="margin-bottom: 5px;">25.0</div> <div style="margin-bottom: 5px;">25.5</div> <div style="margin-bottom: 5px;">26.0</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">4.2</div> <div style="margin-bottom: 5px;">4.4</div> <div style="margin-bottom: 5px;">4.6</div> <div style="margin-bottom: 5px;">4.8</div> <div style="margin-bottom: 5px;">5.0</div> <div style="margin-bottom: 5px;">5.2</div> <div style="margin-bottom: 5px;">5.4</div> <div style="margin-bottom: 5px;">5.6</div> <div style="margin-bottom: 5px;">5.8</div> <div style="margin-bottom: 5px;">6.0</div> <div style="margin-bottom: 5px;">6.2</div> <div style="margin-bottom: 5px;">6.4</div> <div style="margin-bottom: 5px;">6.6</div> <div style="margin-bottom: 5px;">6.8</div> <div style="margin-bottom: 5px;">7.0</div> <div style="margin-bottom: 5px;">7.2</div> <div style="margin-bottom: 5px;">7.4</div> <div style="margin-bottom: 5px;">7.6</div> <div style="margin-bottom: 5px;">7.8</div> </div>	<div style="display: flex; flex-direction: column;"> <div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); height: 20px; width: 100%;"></div> <div style="padding-top: 5px;">Dark brown CLAY - some cobbles and boulders - moist</div> <div style="padding-top: 10px;">End of TEST PIT</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">4.2</div> <div style="margin-bottom: 5px;">4.4</div> <div style="margin-bottom: 5px;">4.6</div> <div style="margin-bottom: 5px;">4.8</div> <div style="margin-bottom: 5px;">5.0</div> <div style="margin-bottom: 5px;">5.2</div> <div style="margin-bottom: 5px;">5.4</div> <div style="margin-bottom: 5px;">5.6</div> <div style="margin-bottom: 5px;">5.8</div> <div style="margin-bottom: 5px;">6.0</div> <div style="margin-bottom: 5px;">6.2</div> <div style="margin-bottom: 5px;">6.4</div> <div style="margin-bottom: 5px;">6.6</div> <div style="margin-bottom: 5px;">6.8</div> <div style="margin-bottom: 5px;">7.0</div> <div style="margin-bottom: 5px;">7.2</div> <div style="margin-bottom: 5px;">7.4</div> <div style="margin-bottom: 5px;">7.6</div> <div style="margin-bottom: 5px;">7.8</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">SS2</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">GS</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">TPH/BTEX</div> </div>

STANTEC BOREHOLE AND WELL V2: 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK10

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0		Dark brown black SILTY SAND with roots and organics - loamy - moist Grey SANDY CLAY - moist Dark brown CLAY - some cobbles and boulders - moist	0.40 0.50	SS1	GS	TPH/BTEX, PAH

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK10

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft)	(m)					
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">13.5</div> <div style="margin-bottom: 5px;">14.0</div> <div style="margin-bottom: 5px;">14.5</div> <div style="margin-bottom: 5px;">15.0</div> <div style="margin-bottom: 5px;">15.5</div> <div style="margin-bottom: 5px;">16.0</div> <div style="margin-bottom: 5px;">16.5</div> <div style="margin-bottom: 5px;">17.0</div> <div style="margin-bottom: 5px;">17.5</div> <div style="margin-bottom: 5px;">18.0</div> <div style="margin-bottom: 5px;">18.5</div> <div style="margin-bottom: 5px;">19.0</div> <div style="margin-bottom: 5px;">19.5</div> <div style="margin-bottom: 5px;">20.0</div> <div style="margin-bottom: 5px;">20.5</div> <div style="margin-bottom: 5px;">21.0</div> <div style="margin-bottom: 5px;">21.5</div> <div style="margin-bottom: 5px;">22.0</div> <div style="margin-bottom: 5px;">22.5</div> <div style="margin-bottom: 5px;">23.0</div> <div style="margin-bottom: 5px;">23.5</div> <div style="margin-bottom: 5px;">24.0</div> <div style="margin-bottom: 5px;">24.5</div> <div style="margin-bottom: 5px;">25.0</div> <div style="margin-bottom: 5px;">25.5</div> <div style="margin-bottom: 5px;">26.0</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">4.2</div> <div style="margin-bottom: 5px;">4.4</div> <div style="margin-bottom: 5px;">4.6</div> <div style="margin-bottom: 5px;">4.8</div> <div style="margin-bottom: 5px;">5.0</div> <div style="margin-bottom: 5px;">5.2</div> <div style="margin-bottom: 5px;">5.4</div> <div style="margin-bottom: 5px;">5.6</div> <div style="margin-bottom: 5px;">5.8</div> <div style="margin-bottom: 5px;">6.0</div> <div style="margin-bottom: 5px;">6.2</div> <div style="margin-bottom: 5px;">6.4</div> <div style="margin-bottom: 5px;">6.6</div> <div style="margin-bottom: 5px;">6.8</div> <div style="margin-bottom: 5px;">7.0</div> <div style="margin-bottom: 5px;">7.2</div> <div style="margin-bottom: 5px;">7.4</div> <div style="margin-bottom: 5px;">7.6</div> <div style="margin-bottom: 5px;">7.8</div> </div>	<div style="display: flex; flex-direction: column;"> <div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); height: 20px; width: 100%;"></div> <div style="margin-top: 5px;">Dark brown CLAY - some cobbles and boulders - moist</div> <div style="margin-top: 10px;">End of TEST PIT</div> </div>	<div style="margin-bottom: 5px;">4.57</div>	<div style="margin-bottom: 5px;">SS2</div>	<div style="margin-bottom: 5px;">GS</div>	<div style="margin-bottom: 5px;">METALS</div>

STANTEC BOREHOLE AND WELL V2: 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK11

Project: SOIL MANAGEMENT PLAN	Drilling method: EXCAVATOR
Client: DEFENCE CONSTRUCTION CANADA	Date started/completed: 01-May-2024
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS	Ground surface elevation: n/a
Number: 133432095	Top of casing elevation: n/a
Field investigator: [REDACTED]	Easting: n/a
Contractor: G&R KELLY	Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5 1.0 1.5 2.0	0.2 0.4 0.6	Dark brown SILTY SAND - some boulders - moist				
2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0	0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0	Dark brown CLAY - some cobbles - moist	0.60	SS1	GS	METALS
10.5 11.0 11.5 12.0 12.5 13.0	3.2 3.4 3.6 3.8	End of TEST PIT	3.05	SS2	GS	PAH

STANTEC BOREHOLE AND WELL V2: 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK12

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE					SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses	
		Ground Surface	0.00				
(ft) (m) 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0		GRAVEL Dark brown CLAY - some cobbles - moist	0.30	SS1	GS	TPH/BTEX, PAH, VOC	
		End of TEST PIT	3.05				

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK13

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE					SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses	
		Ground Surface	0.00				
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0	(ft) (m)	Dark brown SILTY SAND - some cobbles - moist	0.00				
		Dark brown CLAY - some cobbles - moist	0.60	SS1	GS	TPH/BTEX, PAH	
		End of TEST PIT	3.05	SS2	GS	METALS	

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK14

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0		Dark brown black SILTY SAND with roots and organics - loamy - moist Grey SANDY CLAY - moist Dark brown CLAY - some cobbles and boulders - moist	0.40 0.50	SS1	GS	TPH/BTEX, METALS

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK14

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft)	(m)					
13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5 18.0 18.5 19.0 19.5 20.0 20.5 21.0 21.5 22.0 22.5 23.0 23.5 24.0 24.5 25.0 25.5 26.0	4.2 4.4 4.6 4.8 5.0 5.2 5.4 5.6 5.8 6.0 6.2 6.4 6.6 6.8 7.0 7.2 7.4 7.6 7.8	Dark brown CLAY - some cobbles and boulders - moist End of TEST PIT	4.57	SS2	GS	PAH

STANTEC BOREHOLE AND WELL V2: 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK15

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0		Dark brown black SILTY SAND with roots and organics - loamy - moist Grey SANDY CLAY - moist Dark brown CLAY - some cobbles and boulders - moist	0.40 0.50	SS1	GS	PAH, METALS

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-LK15

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 01-May-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft)	(m)					
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">13.5</div> <div style="margin-bottom: 5px;">14.0</div> <div style="margin-bottom: 5px;">14.5</div> <div style="margin-bottom: 5px;">15.0</div> <div style="margin-bottom: 5px;">15.5</div> <div style="margin-bottom: 5px;">16.0</div> <div style="margin-bottom: 5px;">16.5</div> <div style="margin-bottom: 5px;">17.0</div> <div style="margin-bottom: 5px;">17.5</div> <div style="margin-bottom: 5px;">18.0</div> <div style="margin-bottom: 5px;">18.5</div> <div style="margin-bottom: 5px;">19.0</div> <div style="margin-bottom: 5px;">19.5</div> <div style="margin-bottom: 5px;">20.0</div> <div style="margin-bottom: 5px;">20.5</div> <div style="margin-bottom: 5px;">21.0</div> <div style="margin-bottom: 5px;">21.5</div> <div style="margin-bottom: 5px;">22.0</div> <div style="margin-bottom: 5px;">22.5</div> <div style="margin-bottom: 5px;">23.0</div> <div style="margin-bottom: 5px;">23.5</div> <div style="margin-bottom: 5px;">24.0</div> <div style="margin-bottom: 5px;">24.5</div> <div style="margin-bottom: 5px;">25.0</div> <div style="margin-bottom: 5px;">25.5</div> <div style="margin-bottom: 5px;">26.0</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">4.2</div> <div style="margin-bottom: 5px;">4.4</div> <div style="margin-bottom: 5px;">4.6</div> <div style="margin-bottom: 5px;">4.8</div> <div style="margin-bottom: 5px;">5.0</div> <div style="margin-bottom: 5px;">5.2</div> <div style="margin-bottom: 5px;">5.4</div> <div style="margin-bottom: 5px;">5.6</div> <div style="margin-bottom: 5px;">5.8</div> <div style="margin-bottom: 5px;">6.0</div> <div style="margin-bottom: 5px;">6.2</div> <div style="margin-bottom: 5px;">6.4</div> <div style="margin-bottom: 5px;">6.6</div> <div style="margin-bottom: 5px;">6.8</div> <div style="margin-bottom: 5px;">7.0</div> <div style="margin-bottom: 5px;">7.2</div> <div style="margin-bottom: 5px;">7.4</div> <div style="margin-bottom: 5px;">7.6</div> <div style="margin-bottom: 5px;">7.8</div> </div>	<div style="display: flex; flex-direction: column;"> <div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); height: 20px; width: 100%;"></div> <div style="margin-top: 5px;">Dark brown CLAY - some cobbles and boulders - moist</div> <div style="margin-top: 10px;">End of TEST PIT</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">4.2</div> <div style="margin-bottom: 5px;">4.4</div> <div style="margin-bottom: 5px;">4.6</div> <div style="margin-bottom: 5px;">4.8</div> <div style="margin-bottom: 5px;">5.0</div> <div style="margin-bottom: 5px;">5.2</div> <div style="margin-bottom: 5px;">5.4</div> <div style="margin-bottom: 5px;">5.6</div> <div style="margin-bottom: 5px;">5.8</div> <div style="margin-bottom: 5px;">6.0</div> <div style="margin-bottom: 5px;">6.2</div> <div style="margin-bottom: 5px;">6.4</div> <div style="margin-bottom: 5px;">6.6</div> <div style="margin-bottom: 5px;">6.8</div> <div style="margin-bottom: 5px;">7.0</div> <div style="margin-bottom: 5px;">7.2</div> <div style="margin-bottom: 5px;">7.4</div> <div style="margin-bottom: 5px;">7.6</div> <div style="margin-bottom: 5px;">7.8</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">SS2</div> <div style="margin-bottom: 5px;">GS</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">TPH/BTEX</div> </div>	

STANTEC BOREHOLE AND WELL V2: 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS01

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 30-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5		Dark brown black SILTY SAND with roots and organics - loamy - moist				
1.0		Grey SANDY CLAY - moist	0.30			
1.5		Dark brown CLAY - some cobbles and boulders - moist	0.40			
3.5				SS1	GS	PAH, METALS

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS01

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 30-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft)	(m)					
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">13.5</div> <div style="margin-bottom: 5px;">14.0</div> <div style="margin-bottom: 5px;">14.5</div> <div style="margin-bottom: 5px;">15.0</div> <div style="margin-bottom: 5px;">15.5</div> <div style="margin-bottom: 5px;">16.0</div> <div style="margin-bottom: 5px;">16.5</div> <div style="margin-bottom: 5px;">17.0</div> <div style="margin-bottom: 5px;">17.5</div> <div style="margin-bottom: 5px;">18.0</div> <div style="margin-bottom: 5px;">18.5</div> <div style="margin-bottom: 5px;">19.0</div> <div style="margin-bottom: 5px;">19.5</div> <div style="margin-bottom: 5px;">20.0</div> <div style="margin-bottom: 5px;">20.5</div> <div style="margin-bottom: 5px;">21.0</div> <div style="margin-bottom: 5px;">21.5</div> <div style="margin-bottom: 5px;">22.0</div> <div style="margin-bottom: 5px;">22.5</div> <div style="margin-bottom: 5px;">23.0</div> <div style="margin-bottom: 5px;">23.5</div> <div style="margin-bottom: 5px;">24.0</div> <div style="margin-bottom: 5px;">24.5</div> <div style="margin-bottom: 5px;">25.0</div> <div style="margin-bottom: 5px;">25.5</div> <div style="margin-bottom: 5px;">26.0</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">4.2</div> <div style="margin-bottom: 5px;">4.4</div> <div style="margin-bottom: 5px;">4.6</div> <div style="margin-bottom: 5px;">4.8</div> <div style="margin-bottom: 5px;">5.0</div> <div style="margin-bottom: 5px;">5.2</div> <div style="margin-bottom: 5px;">5.4</div> <div style="margin-bottom: 5px;">5.6</div> <div style="margin-bottom: 5px;">5.8</div> <div style="margin-bottom: 5px;">6.0</div> <div style="margin-bottom: 5px;">6.2</div> <div style="margin-bottom: 5px;">6.4</div> <div style="margin-bottom: 5px;">6.6</div> <div style="margin-bottom: 5px;">6.8</div> <div style="margin-bottom: 5px;">7.0</div> <div style="margin-bottom: 5px;">7.2</div> <div style="margin-bottom: 5px;">7.4</div> <div style="margin-bottom: 5px;">7.6</div> <div style="margin-bottom: 5px;">7.8</div> </div>	<div style="display: flex; flex-direction: column;"> <div style="background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); height: 20px; width: 100%;"></div> <div style="padding-top: 5px;">Dark brown CLAY - some cobbles and boulders - moist</div> <div style="padding-top: 10px;">End of TEST PIT</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">4.2</div> <div style="margin-bottom: 5px;">4.4</div> <div style="margin-bottom: 5px;">4.6</div> <div style="margin-bottom: 5px;">4.8</div> <div style="margin-bottom: 5px;">5.0</div> <div style="margin-bottom: 5px;">5.2</div> <div style="margin-bottom: 5px;">5.4</div> <div style="margin-bottom: 5px;">5.6</div> <div style="margin-bottom: 5px;">5.8</div> <div style="margin-bottom: 5px;">6.0</div> <div style="margin-bottom: 5px;">6.2</div> <div style="margin-bottom: 5px;">6.4</div> <div style="margin-bottom: 5px;">6.6</div> <div style="margin-bottom: 5px;">6.8</div> <div style="margin-bottom: 5px;">7.0</div> <div style="margin-bottom: 5px;">7.2</div> <div style="margin-bottom: 5px;">7.4</div> <div style="margin-bottom: 5px;">7.6</div> <div style="margin-bottom: 5px;">7.8</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">SS2</div> <div style="margin-bottom: 5px;">GS</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">TPH/BTEX</div> </div>	

STANTEC BOREHOLE AND WELL V2: 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN



Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available

Drawn By/Checked By: M. KELLY

TEST PIT: TP24-MS02

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 30-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5		Dark brown black SILTY SAND with roots and organics - loamy - moist				
1.0		Grey SANDY CLAY - moist	0.30			
1.5		Dark brown CLAY - some cobbles and boulders - moist	0.40			
3.5				SS1	GS	METALS

STANTEC BOREHOLE AND WELL V2: 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS02

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 30-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft)	(m)					
13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5 18.0 18.5 19.0 19.5 20.0 20.5 21.0 21.5 22.0 22.5 23.0 23.5 24.0 24.5 25.0 25.5 26.0	4.2 4.4 4.6 4.8 5.0 5.2 5.4 5.6 5.8 6.0 6.2 6.4 6.6 6.8 7.0 7.2 7.4 7.6 7.8	Dark brown CLAY - some cobbles and boulders - moist End of TEST PIT	4.57	SS2	GS	TPH/BTEX, PAH

STANTEC BOREHOLE AND WELL V2: 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS03

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0		Dark brown black SILTY SAND with roots and organics - loamy - moist Grey SANDY CLAY - moist Dark brown CLAY - some cobbles and boulders - moist	0.40 0.50	SS1	GS	METALS

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS03

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft)	(m)					
13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5 18.0 18.5 19.0 19.5 20.0 20.5 21.0 21.5 22.0 22.5 23.0 23.5 24.0 24.5 25.0 25.5 26.0	4.2 4.4 4.6 4.8 5.0 5.2 5.4 5.6 5.8 6.0 6.2 6.4 6.6 6.8 7.0 7.2 7.4 7.6 7.8	Dark brown CLAY - some cobbles and boulders - moist End of TEST PIT	4.57	SS2	GS	TPH/BTEX, PAH

STANTEC BOREHOLE AND WELL V2: 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS04

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE					SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses	
		Ground Surface	0.00				
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0		Dark brown black SILTY SAND with roots and organics - loamy - moist Grey SANDY CLAY - moist Dark brown CLAY - some cobbles - moist	0.40 0.50	SS1	GS	METALS	
		End of TEST PIT	2.00				

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



Drawn By/Checked By: M. KELLY

TEST PIT: TP24-MS05

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE					SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses	
		Ground Surface	0.00				
0.5	0.2	Dark brown black SILTY SAND with roots and organics - loamy	0.01				
1.0	0.4	Dark to very dark brown SILTY SAND - moist					
1.5	0.6						
2.0	0.8						
2.5	1.0						
3.0	1.2						
3.5	1.4	Grey SANDY CLAY - moist	1.00	SS1	GS	METALS, PAH	
4.0	1.6	Dark brown CLAY - some cobbles and boulders - moist	1.10				
4.5	1.8						
5.0	2.0						
5.5	2.2						
6.0	2.4						
6.5	2.6						
7.0	2.8						
7.5	3.0						
8.0	3.2			SS2	GS	TPH/BTEX	
8.5	3.4						
9.0	3.6						
9.5	3.8						
10.0	3.0	End of TEST PIT	3.05				

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



Drawn By/Checked By: M. KELLY

Sheet 1 of 1

TEST PIT: TP24-MS06

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface				
0.5	0.5	Dark brown black SILTY SAND with roots and organics - loamy - moist	0.00			
1.0	1.0	Grey SANDY CLAY - moist	0.30			
1.5	0.5	Dark brown CLAY - some cobbles and boulders - moist	0.40			
3.5	1.0			SS1	GS	METALS, PAH
7.0	2.0			SS2	GS	TPH/BTEX
10.0	3.0	End of TEST PIT	3.05			

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS07

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5		Dark brown black SILTY SAND with roots and organics - loamy - moist				
1.5		Grey SANDY CLAY - moist	0.40			
2.0		Dark brown CLAY - some cobbles - moist	0.50			
3.5				SS1	GS	METALS
4.5						
5.0						
6.0						
7.0						
8.0						
9.0						
10.0						
11.0						
12.0						
13.0						
14.0						
15.0						
15.0		End of TEST PIT	4.57			
16.0				SS2	GS	TPH/BTEX, PAH

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS08

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft) (m)		Ground Surface				
0.5		Dark brown black SILTY SAND with roots and organics - loamy - moist	0.00			
1.0						
1.5		Grey SANDY CLAY - moist	0.40			
2.0		Dark brown CLAY - some cobbles and boulders - moist	0.50			
2.5						
3.0						
3.5				SS1	GS	METALS, PAH
4.0						
4.5						
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
8.0						
8.5						
9.0						
9.5						
10.0						
10.5						
11.0						
11.5						
12.0						
12.5						
13.0						
13.5						
14.0				SS2	GS	TPH/BTEX
14.5						
15.0		End of TEST PIT	4.57			
15.5						
16.0						

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 04/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available

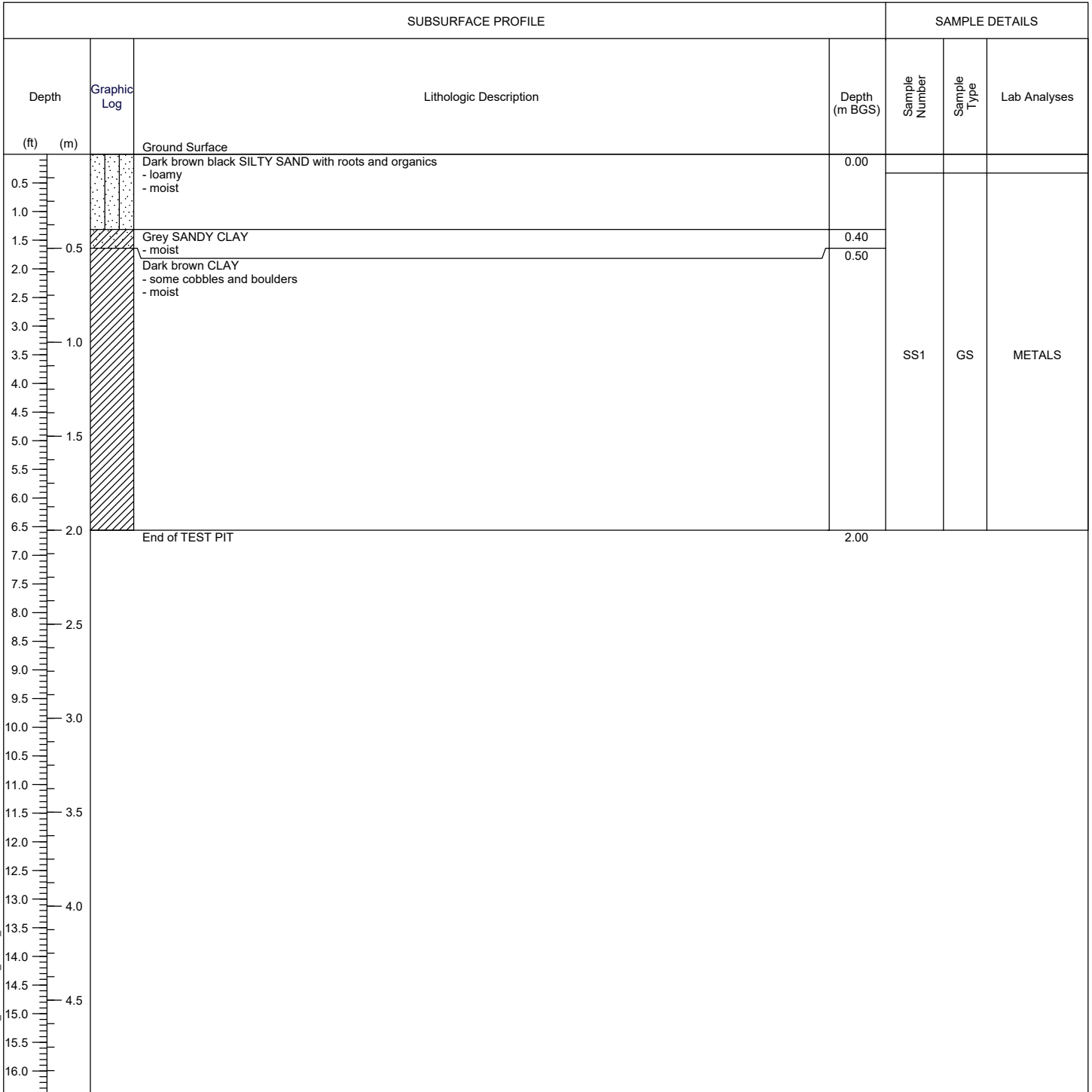


Drawn By/Checked By: M. KELLY

TEST PIT: TP24-MS09

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a



STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



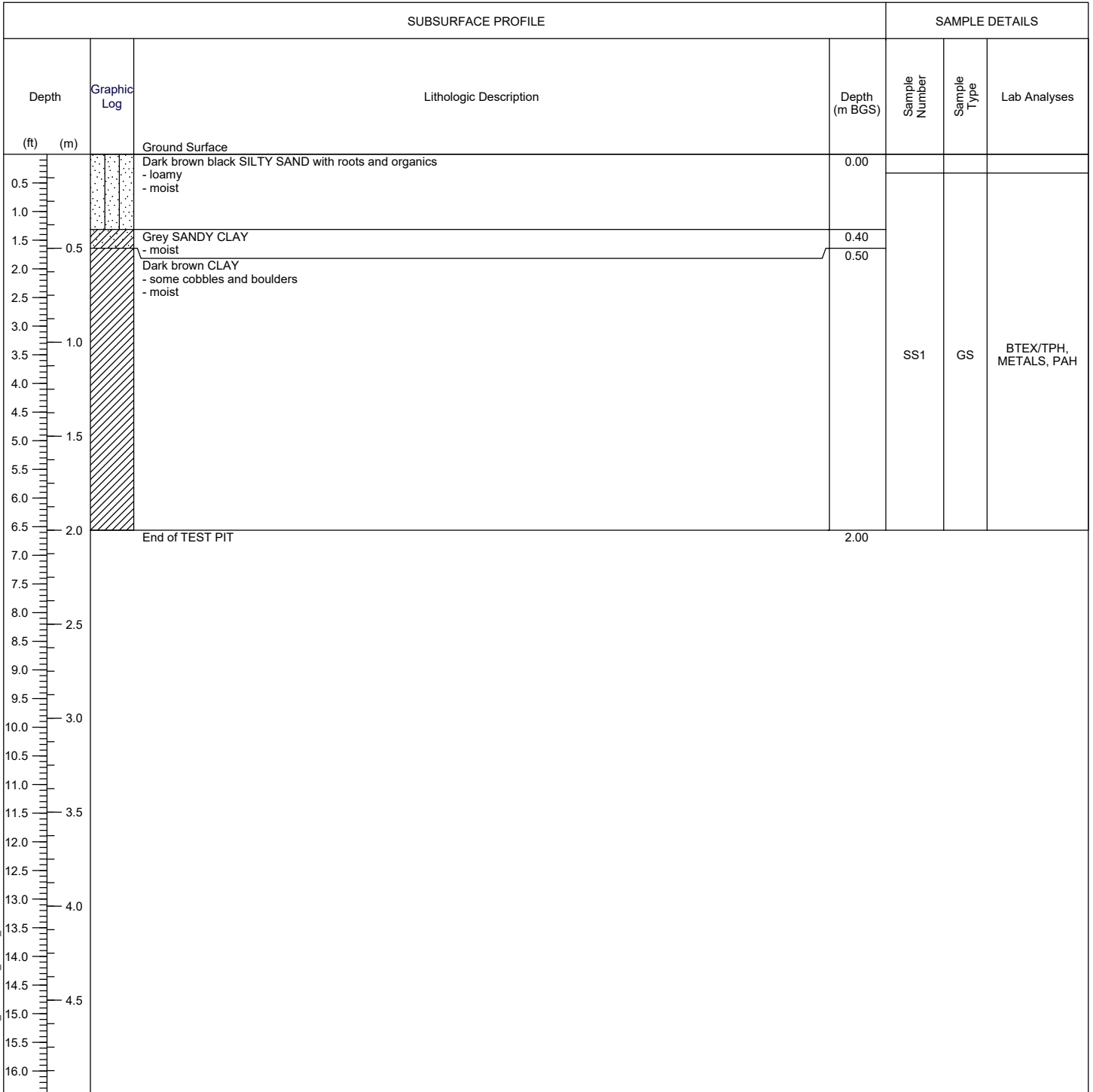
Drawn By/Checked By: M. KELLY

Sheet 1 of 1

TEST PIT: TP24-MS10

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: [REDACTED]
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a



STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 04/24 GWHALEN



Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available

Drawn By/Checked By: M. KELLY

TEST PIT: TP24-MS11

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft) (m)		Ground Surface				
0.5 1.0 1.5	0.5	Dark brown black SILTY SAND with roots and organics - loamy - moist	0.00			
2.0	0.5	Grey SANDY CLAY - moist	0.40			
2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5	1.0	Dark brown CLAY - some cobbles and boulders - moist	0.50	SS1	GS	METALS
6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0	2.0	End of TEST PIT	2.00			

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS12

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface				
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0	(ft) (m)	Dark brown black SILTY SAND with roots and organics - loamy - moist	0.00			
		Grey SANDY CLAY - moist	0.40			
		Dark brown CLAY - some cobbles - moist	0.50			
		End of TEST PIT	2.00	SS1	GS	BTEX/TPH, METALS, PAH

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS13

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface				
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0	(ft) (m)	Dark brown black SILTY SAND with roots and organics - loamy - moist	0.00 0.40 0.50			
		Grey SANDY CLAY - moist				
		Dark brown CLAY - some cobbles - moist		SS1	GS	METALS
		End of TEST PIT	2.00			

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS14

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface				
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0	(ft) (m)	Dark brown black SILTY SAND with roots and organics - loamy - moist	0.00 0.40 0.50	SS1	GS	METALS
		Grey SANDY CLAY - moist				
		Dark brown CLAY - some cobbles - moist				
		End of TEST PIT	3.00			
				SS2	GS	TPH/BTEX, PAH

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

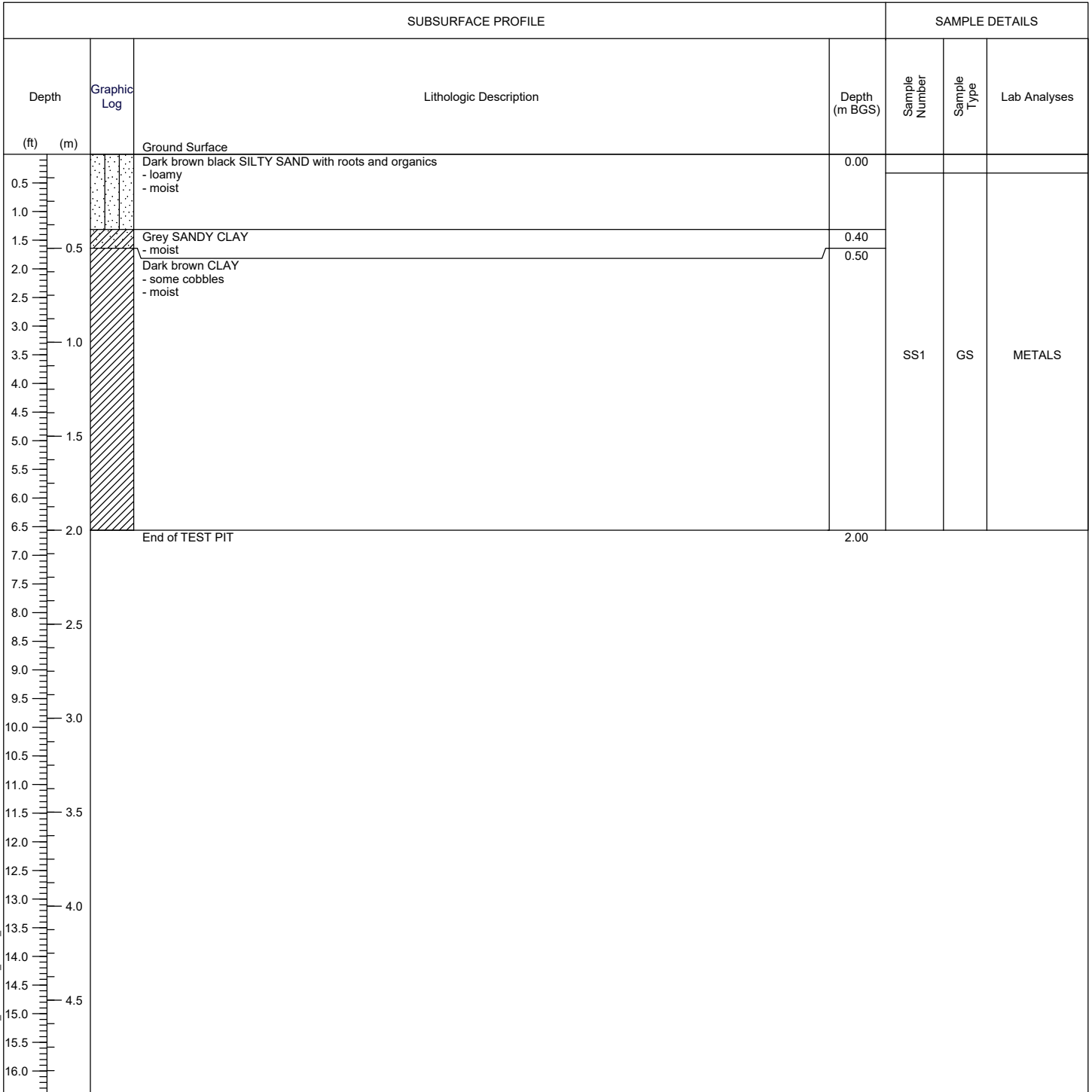
Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS15

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a



STANTEC BOREHOLE AND WELL V2: 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



Drawn By/Checked By: M. KELLY

Sheet 1 of 1

TEST PIT: TP24-MS16

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft) (m)		Ground Surface				
0.5 1.0 1.5	0.5	Dark brown black SILTY SAND with roots and organics - loamy - moist	0.00			
2.0	0.5	Grey SANDY CLAY - moist	0.40			
2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5	1.0	Dark brown CLAY - some cobbles and boulders - moist	0.50	SS1	GS	METALS
7.0	2.0	End of TEST PIT	2.00			
7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0	2.5 3.0 3.5 4.0 4.5					

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



Drawn By/Checked By: M. KELLY

Sheet 1 of 1

TEST PIT: TP24-MS17

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface	0.00			
0.5	0.5	Dark brown black SILTY SAND, with roots and organics - loamy - moist				
1.0	1.0	Grey SANDY CLAY - moist	0.30			
1.5	1.5	Dark brown CLAY - some cobbles and boulders - moist	0.40			
3.5	1.0			SS1	GS	METALS, PAH
8.5	2.5			SS2	GS	TPH/BTEX
10.0	3.0	End of TEST PIT	3.05			

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS18

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface				
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0	(ft) (m)	Dark brown black SILTY SAND, with roots and organics - loamy - moist	0.00 0.40 0.50	SS1	GS	METALS
		Grey SANDY CLAY - moist				
		Dark brown CLAY - some cobbles - moist				
		End of TEST PIT	3.00			
				SS2	GS	TPH/BTEX, PAH

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS19

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft) (m)		Ground Surface				
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0	0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0	Dark brown black SILTY SAND, with roots and organics - loamy - moist	0.00			
		Dark brown black CLAY - some cobbles - moist	0.40	SS1	GS	METALS
		End of TEST PIT	3.00	SS2	GS	TPH/BTEX, PAH

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS20

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
		Ground Surface				
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0	(ft) (m)	Dark brown black SILTY SAND with roots and organics - loamy - moist	0.00 0.40 0.50	SS1	GS	TPH/BTEX, METALS, PAH
		Dark brown black SILTY SAND with roots and organics - loamy - moist	0.00			
		Grey SANDY CLAY - moist	0.40			
		Dark brown CLAY - some cobbles - moist	0.50			
		End of TEST PIT	2.00			

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/4/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



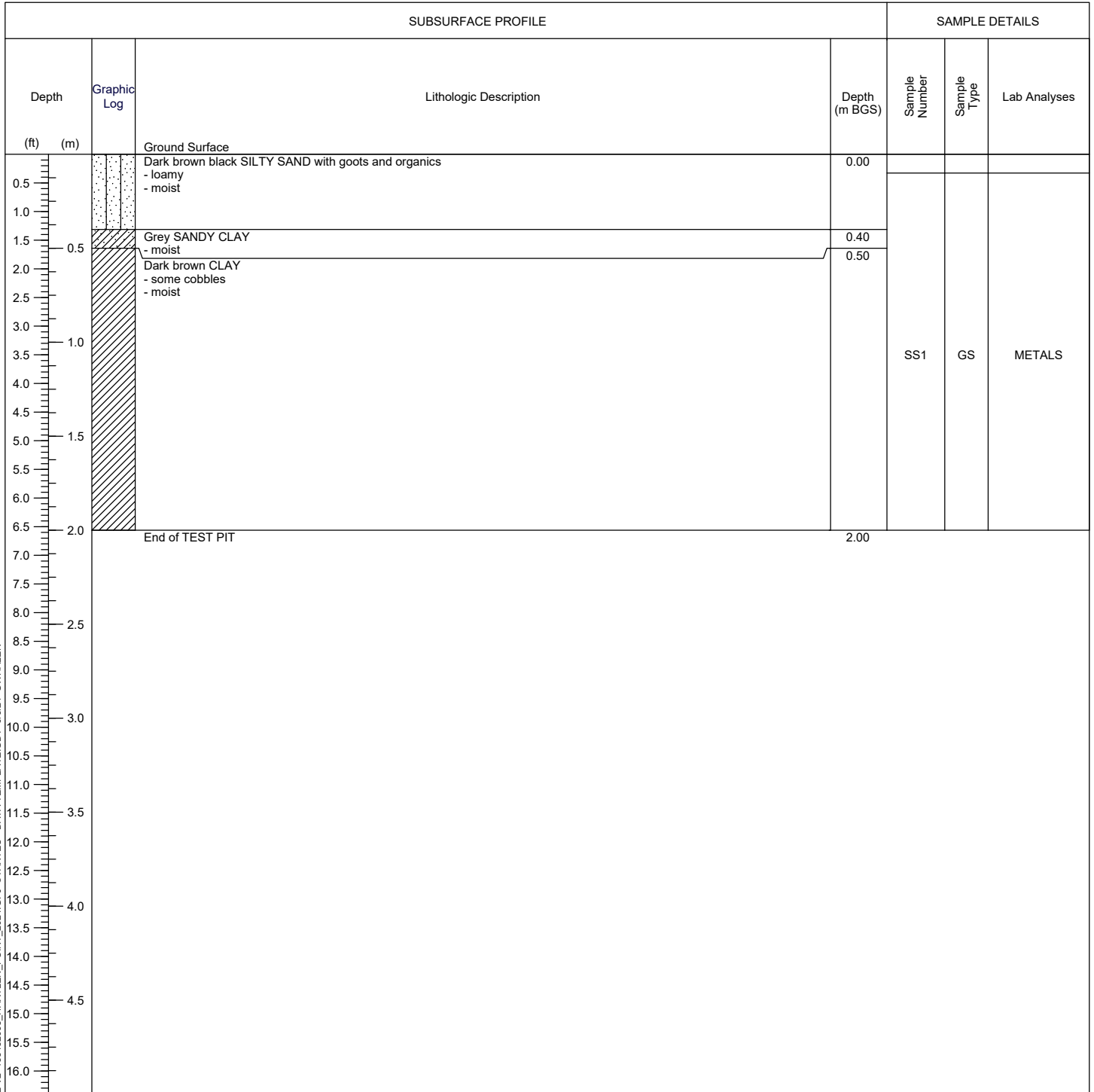
Drawn By/Checked By: M. KELLY

Sheet 1 of 1

TEST PIT: TP24-MS21

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a



STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

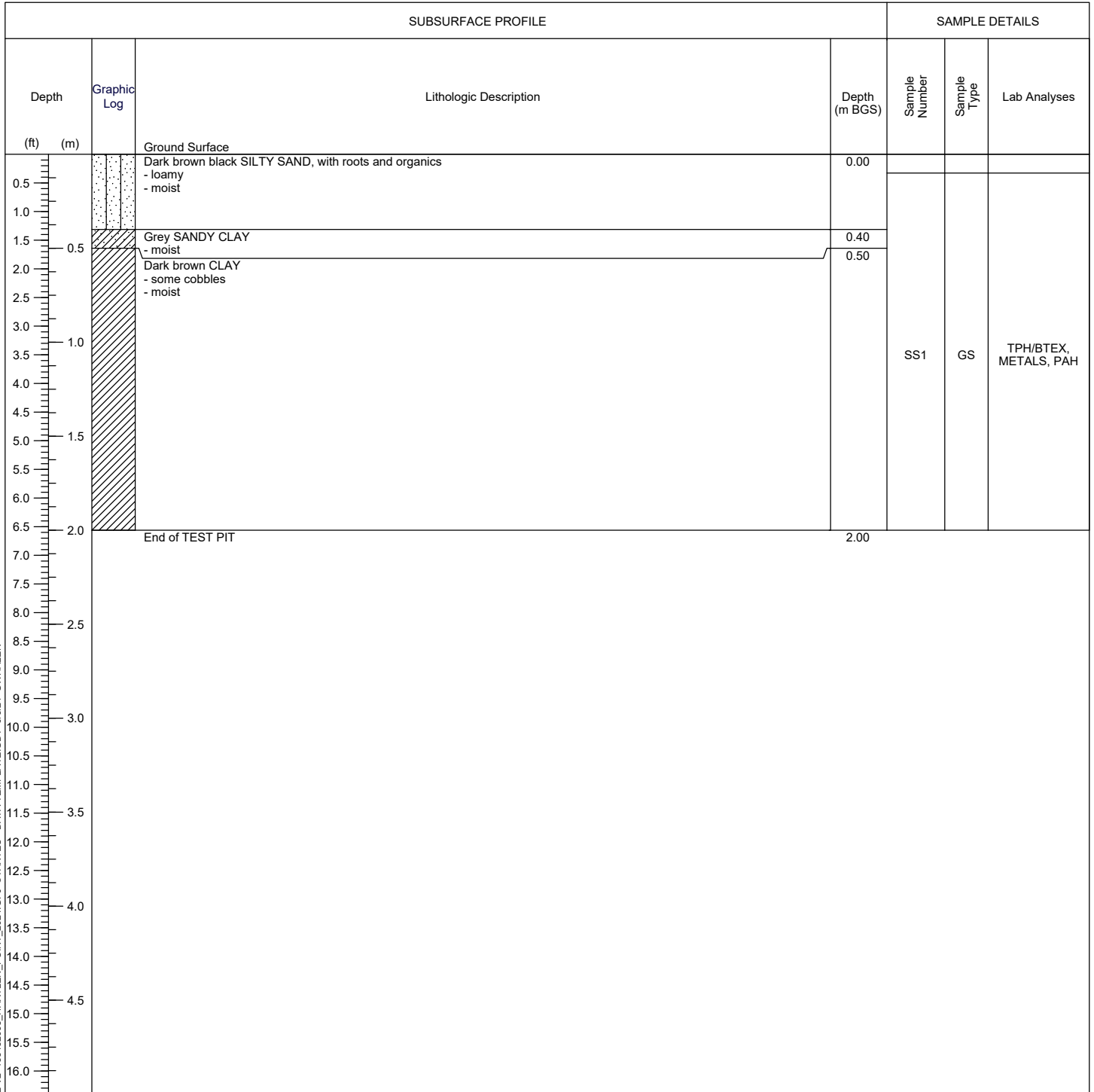
Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS22

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a



STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



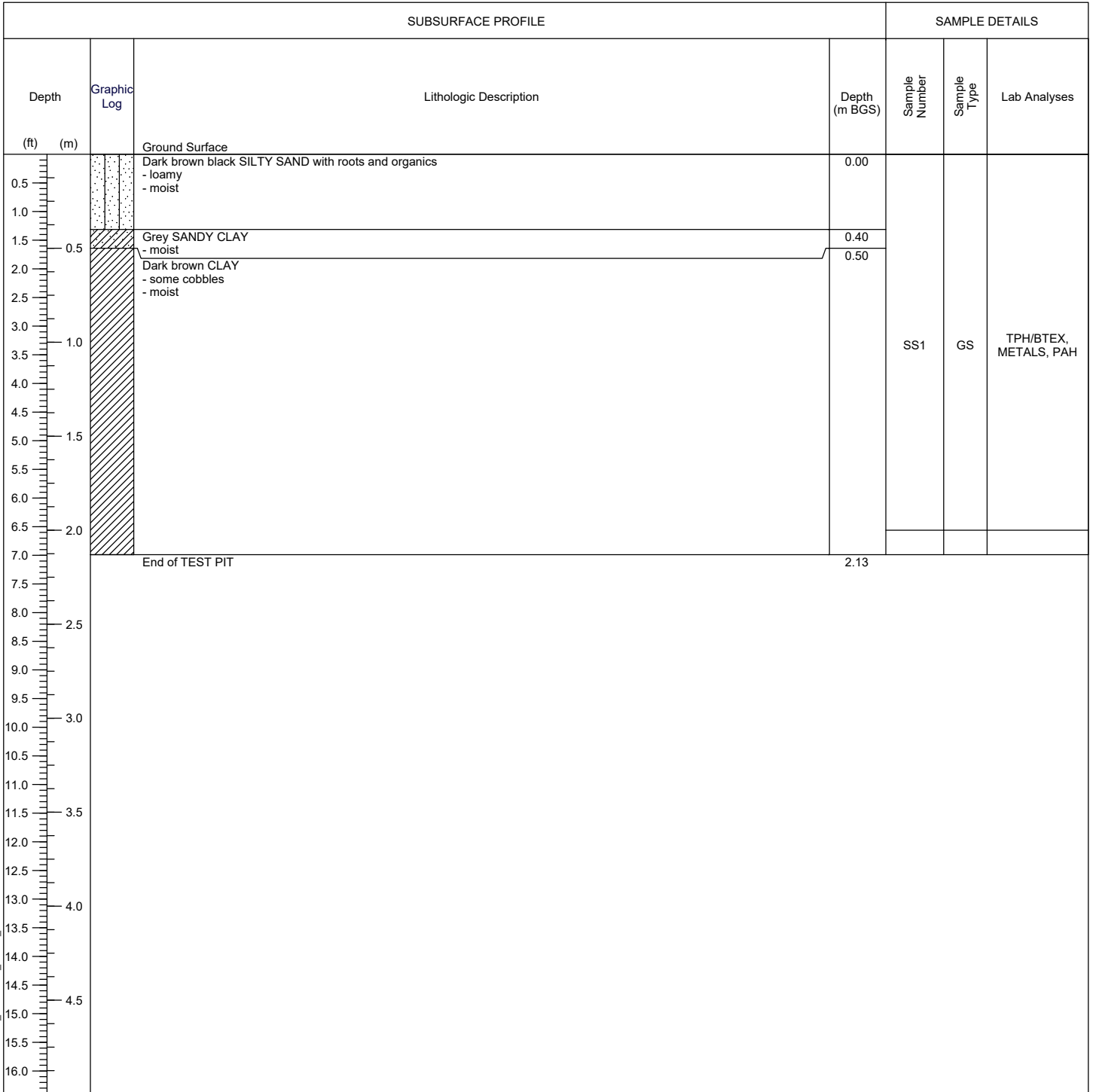
Drawn By/Checked By: M. KELLY

Sheet 1 of 1

TEST PIT: TP24-MS23

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a



STANTEC BOREHOLE AND WELL V2: 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

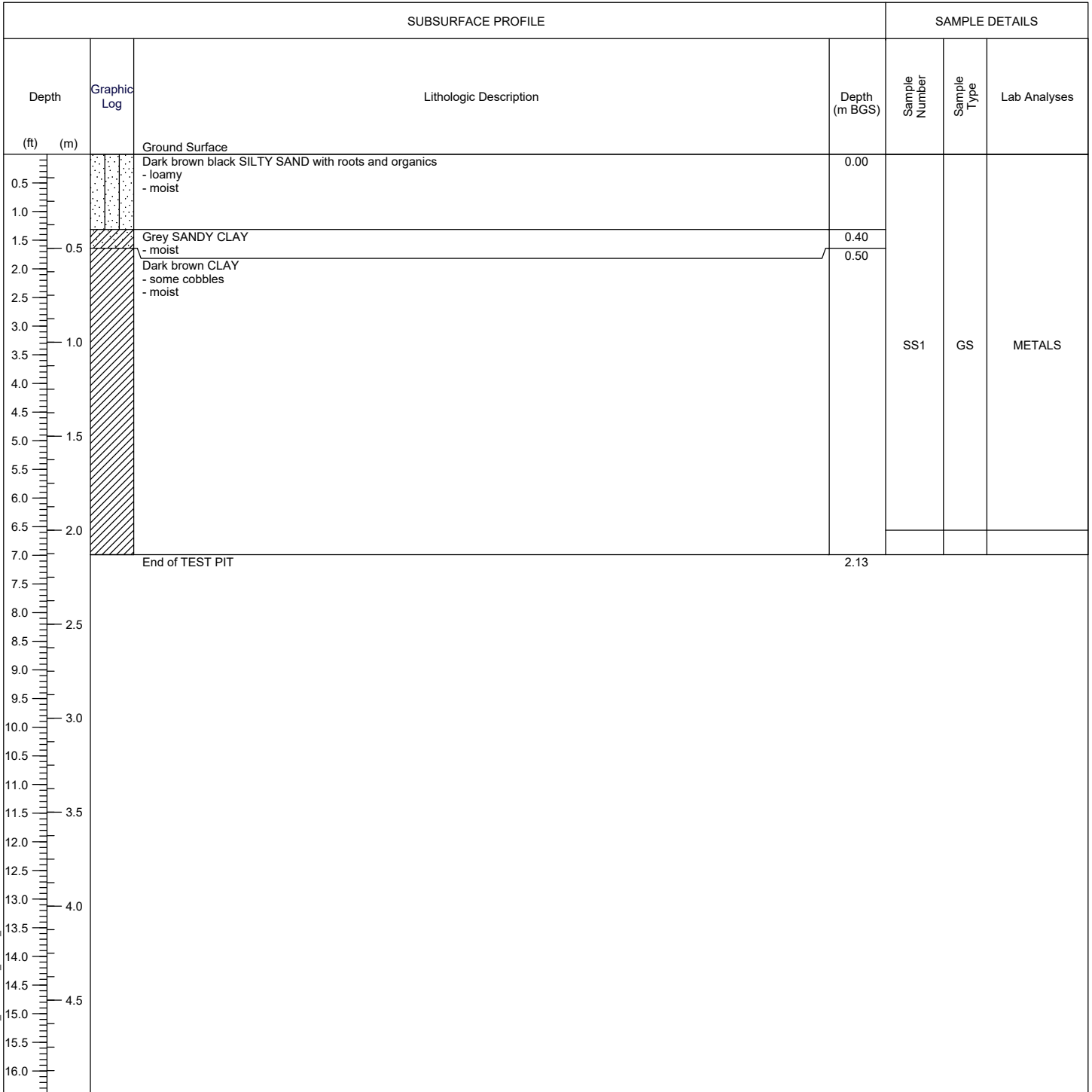
Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS24

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a



STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/4/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



Drawn By/Checked By: M. KELLY

Sheet 1 of 1

TEST PIT: TP24-MS25

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft) 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0	(m) 0.5 1.0 1.5 2.0	Ground Surface Dark brown CLAY - some cobbles - moist	0.00			
		End of TEST PIT	2.00	SS1	GS	METALS

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS26

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE					SAMPLE DETAILS		
Depth (ft)	Graphic Log (m)	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses	
0.0		Ground Surface	0.00				
0.5	0.5	Dark brown CLAY - some cobbles - moist		SS1	GS	TPH/BTEX, METALS, PAH	
6.5	2.0	End of TEST PIT	2.00				

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS27

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a

SUBSURFACE PROFILE				SAMPLE DETAILS		
Depth	Graphic Log	Lithologic Description	Depth (m BGS)	Sample Number	Sample Type	Lab Analyses
(ft) (m)		Ground Surface				
0.5 1.0	0.5	Dark brown SILTY SAND with roots and organics - loamy - moist	0.00			
1.5	0.5	Grey SANDY CLAY - moist	0.40			
2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0	1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5	Dark brown CLAY - some cobbles - moist	0.50	SS1	GS	TPH/BTEX, METALS, PAH
15.0 15.5 16.0		End of TEST PIT	4.57			

STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

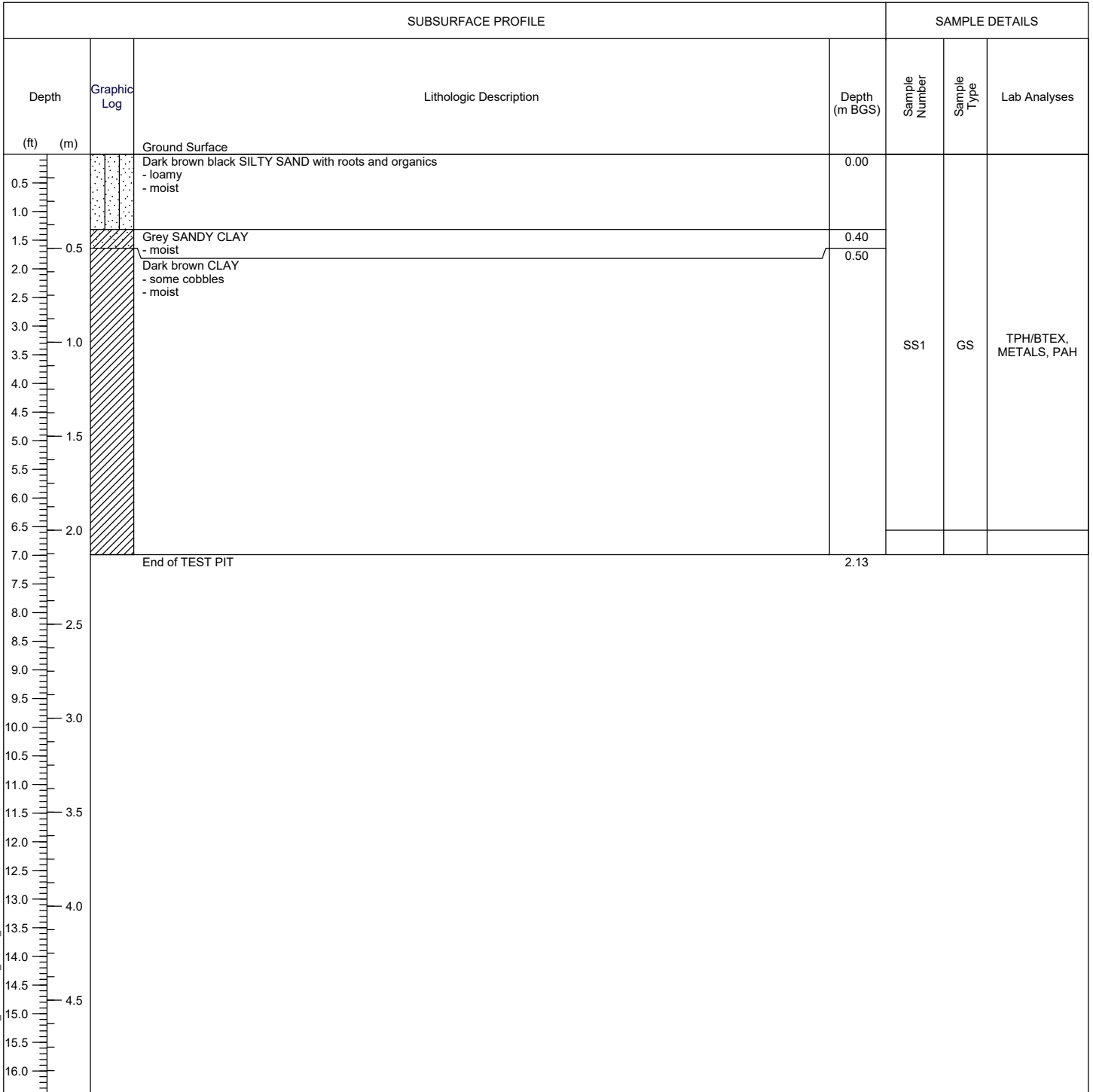
Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



TEST PIT: TP24-MS28

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a



STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



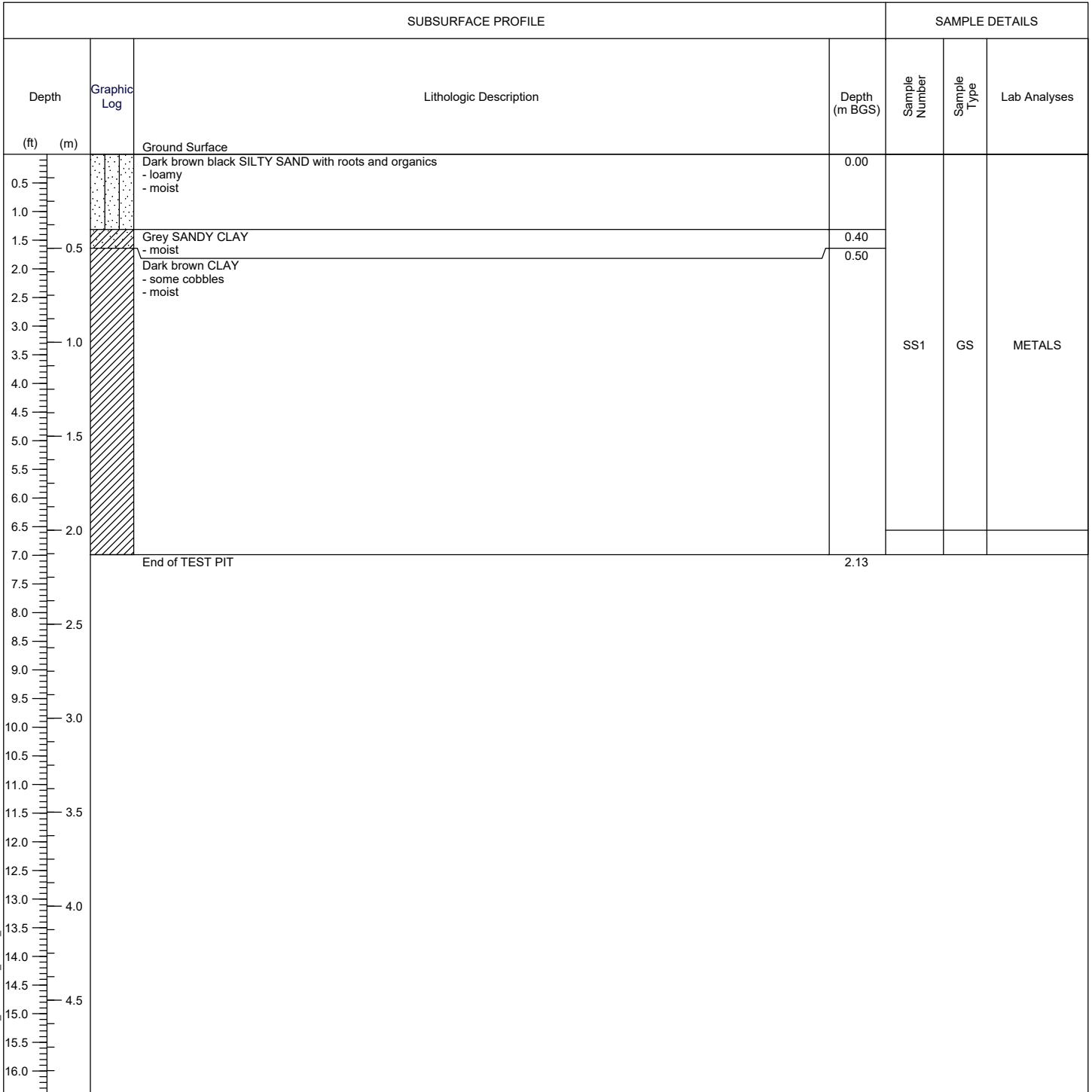
Drawn By/Checked By: M. KELLY

Sheet 1 of 1

TEST PIT: TP24-MS29

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a



STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available

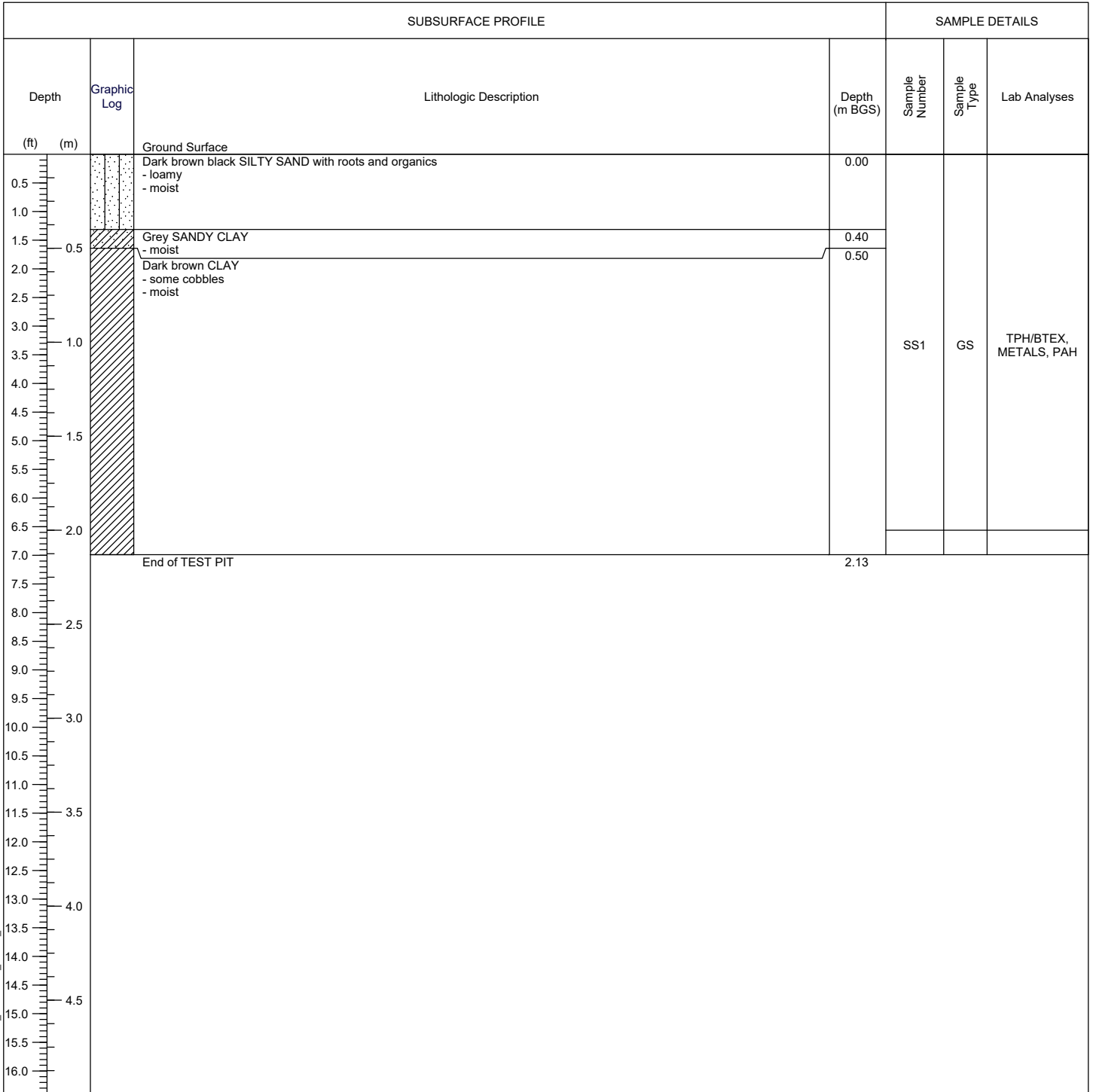


Drawn By/Checked By: M. KELLY

TEST PIT: TP24-MS30

Project: SOIL MANAGEMENT PLAN
Client: DEFENCE CONSTRUCTION CANADA
Location: LBTF, HARTLEN POINT, EASTERN PASSAGE, NS
Number: 133432095
Field investigator: ██████████
Contractor: G&R KELLY

Drilling method: EXCAVATOR
Date started/completed: 29-Apr-2024
Ground surface elevation: n/a
Top of casing elevation: n/a
Easting: n/a
Northing: n/a



STANTEC BOREHOLE AND WELL V2 133432095_HARTLEN_POINT_2024.GPJ STANTEC - DATA TEMPLATE.GDT 6/3/24 GWHALEN

Notes:
 m AMSL - metres above mean sea level
 m BGS - metres below ground surface
 GS - grab sample
 n/a - not available



Drawn By/Checked By: M. KELLY

July 17, 2024

Page F-1

Reference: Final – Soil Characterization Results and Soil Management Plan – Land Based Testing Facility (LBTF), Hartlen Point, Eastern Passage, Nova Scotia

Attachment F Soil Management Plan

SOIL MANAGEMENT PLAN AND SOIL MANAGEMENT OPTIONS LBTF DEVELOPMENT SITE, HARTLEN POINT, EASTERN PASSAGE, NS

F-1.0 Soil Characterization

The findings from the April 2024 soil characterization program conducted at the LBTF indicate the following:

- PHCs (ethylbenzene, CWS F2 and F3 fractions) exceeding the applied CCME SQGs or Tier 1 CWS were identified at one location within the Link11 portion of the Site. PHCs did not exceed the Provincial Tier 1 EQS for commercial and industrial land uses.
- PAHs exceeding the applied CCME SQGs were identified at three locations within the Link 11 portion of the Site. PAHs exceeding the Provincial Tier 1 EQS were also identified at one location within the Link11 portion of the Site. The PAH exceedances were related to the potential for soil leaching and migration to surface water and affecting aquatic life and are independent of land use.
- Metals (iron and manganese) exceeding the Provincial Tier 1 EQS were identified throughout the Site; however, based on the results, the detected concentrations are believed to be associated with background soil conditions at the Site and not a result of an anthropogenic source. Metals did not exceed the applied CCME SQGs.
- VOCs generally met the Tier 1 Federal or Tier 1 Provincial screening levels. However, due to the low Provincial Tier 1 EQS, the laboratory reportable detection limit for Bromomethane was above the Tier 1 EQS for commercial and industrial land uses.
- PFAS was excluded from the soil characterization and sampling program at the request of DCC.
- With the exception of the PHC and PAH impacted soil identified at Link 11, there are no environmental restrictions for the re-use of excess soil on-site.

F-2.0 Disturbed Soil

Although soil is expected to be relocated and reused at the Site to support development of the Site, should excess soil be transferred offsite for management, the following management controls are recommended:

- Where possible, excess soil should be transferred to nearby federally owned land or approved commercial treatment /disposal facility.
- Additional testing of stockpiled soil prior to final transfer to offsite properties should be conducted in accordance with standard practices.
- If transfer to a receiving property under provincial jurisdiction is required, the recommended hierarchy for receiving sites is industrial>commercial. Transfer to properties with more sensitive land use (i.e., residential/parkland) is not recommended.
- Soil transfers should comply with the requirements for backfill materials as prescribed under the Nova Scotia Contaminated Sites Regulations (CSR) – Confirmation of Remediation Protocol (PRO-700).
- Contaminants of potential concern (COPCs) should not exceed the Tier 1 Environmental Quality Standards (EQS) for the receiving property.

SOIL MANAGEMENT PLAN AND SOIL MANAGEMENT OPTIONS LBTF DEVELOPMENT SITE, HARTLEN POINT, EASTERN PASSAGE, NS

- Property owners of a potential receiving property should be provided with written analytical testing results from the soil characterization program and any additional testing and provide written acceptance of the transfer.
- A written acknowledgement and agreement for the soil transfer should be provided by the receiving site owner to DCC and maintained by both parties.

Transfer of excess soil to any receiving property with the following characteristics is not recommended:

- Properties with residential land use.
- Properties where groundwater use is classified as potable.
- Properties with a surface watercourse within 200 m of the transferred soil
- If receiving site is under provincial jurisdiction and is potentially impacted as defined by the CSR, then the conditions at the receiving property should be characterized prior to transfer of soil.
- Soil conditions should be tested at any potential receiving property, to determine the background conditions for contaminants of potential concern.

If backfill material is brought onto the LBTF development Site; it should be tested in accordance with CSI.004.001 Soil Management Instructions to confirm it meets DND's requirements for clean fill.

F-3.0 Water Table Excavation Considerations

If the water table is encountered during excavation/construction activities, the groundwater should be tested prior to discharge and compared to applicable standards including bylaws for discharge to the municipal water system. The water should be discharged, treated and/or disposed of accordingly based on the testing results.

F-4.0 Excavated Stockpile Location and Management Plan

With the exception of localized PHC and PAH impacted soil identified at Link11, there were no exceedances of the referenced federal or provincial screening levels, with the exception of iron and manganese at various locations exceeding the Provincial Tier 1 EQS. Where these parameters were identified throughout the Site and are common elements within the local bedrock, they have been determined to be representative of background conditions at the Site and consistent with conditions across the province. Based on this, the remainder of the soil can be re-used on Site and soil can be stockpiled where convenient, provided it is placed with a proper setback to watercourses/wetlands to prevent erosion/siltation.

**SOIL MANAGEMENT PLAN AND SOIL MANAGEMENT OPTIONS
LBTF DEVELOPMENT SITE, HARTLEN POINT, EASTERN PASSAGE, NS**

Soil stockpiles must be managed in accordance with the guidance outlined in CSI.004.001 Section #10 (Storage/Stockpile Management) as follows:

10. Storage/Stockpile Management

All excavated soils that will be temporarily stored must be placed on an impermeable surface and covered with an impermeable, properly secured tarp. This is applicable to all soils, whether contaminated or not.

All stockpiles must be inspected on a regular schedule and maintained, as per the approved soil management plan.

Water contained in the stockpiled soil must be properly contained and managed to prevent contaminated water from running off into the environment. Whenever practicable, the temporary storage must be at least 30 meters away from sensitive receptors. When not practicable, additional measures will need to be taken to ensure protection of the sensitive receptors. The management method and location of the temporary storage (typically in the soil management plan) must be approved by the local CS Manager.

All stockpiles must be removed as soon as possible after characterization and must be removed prior to the completion of the physical works. If a stockpile is to remain on a DND establishment beyond the completion of the project/works, the PM shall consult with applicable stakeholders and obtain approvals when required to ensure that the stockpile approach is compatible to the current and planned use of DND real property (stakeholders include but are not limited to local CS Manager, local RP Ops, real property planners – DG P Reqs).

If backfill material is brought onto the Site, it should be tested in accordance with CSI.004.001 Soil Management Institution to confirm it meets DND's requirements for clean fill.

F-5.0 Soil Re-Use Plan

With the exception of the PHC and PAH impacted soil identified at Link 11, there are no environmental restrictions for the re-use of excess soil on-site.

Reuse of soils within other areas of a DND establishment is acceptable if the environmental quality of the soil is consistent with the land use plan and the soil meets the CCME criteria for the land use of the receiving property (same DND establishment). The local CS Manager must approve the reuse of soil.

F-6.0 Disposal Options for Impacted Soil

Soil from PHC and PAH impacted areas within Link11 should be removed from the Site for disposal at an approved commercial treatment/disposal facility. Additional testing of the soil for disposal may be required depending on the receiving facilities requirements.

SOIL MANAGEMENT PLAN AND SOIL MANAGEMENT OPTIONS LBTF DEVELOPMENT SITE, HARTLEN POINT, EASTERN PASSAGE, NS

A volume estimate of approximately 125 cubic meters (m³) of impacted soil was calculated in the vicinity of test pit location TP24-LK03. The actual volume of impacted soil beneath the Site will be determined during remedial excavation, and verified with confirmatory sampling of the final extents of the excavation.

There are no restrictions for excess soil to be managed offsite at a provincially regulated commercial or industrial property with non-potable groundwater, subject to the management requirements outlined in section 2.0.

F-7.0 Cost Estimate for Soil Management

Soil disposal costs have not been calculated for the Site.

F-8.0 Manifests

Any soil removed from the Site is required to be tracked using the documentation format (waste manifests or other shipping papers) as outlined in CSI.004.001 Section #15 (Soil Traceability) and is as follows:

15. Soil Traceability

Soil movements within the same Defence establishment shall be described and documented. Borrowing and backfill Sites shall be identified by survey and the quality and quantity of soil moved shall be documented. An example of a tracking document that could be used can be found in Appendix C.

Copies of all analytical results and applicable consultant reports or correspondence shall be provided to the local CS Manager. Additionally, sampling results, consultant reports, correspondence with DCS and local CS Manager must be kept with the project/works files. For information on the technical requirements of the data, please contact the local CS Manager.

Excavated and backfilled areas must be represented on a geo-referenced plan and this shall be transmitted in an electronic file in shapefile format.

F-9.0 Erosion and Sediment Control Plan

Not applicable to the Site at this time.

F-10.0 Water Management Control Plan

If water from the excavation requires removal and there is evidence of hydrocarbon impacts, the water should be tested for potential PHC contamination. If PHC contamination is confirmed, the water should be treated and /or disposed offsite at a licensed oily water disposal facility.