Petroleum Equipment Removal, Former Retail Fuel Outlet, Cardlock and Motel

1310 South Service Road, Stoney Creek

Project No. 0138-001.03

January 30, 2025

Prepared for:

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Executive Summary

Jennum Properties Inc. (Jennum) retained BlueFrog Environmental Consulting Inc. (BlueFrog) to oversee the removal of underground storage tanks (USTs) of the subject property located at 1310 South Service Road, Stoney Creek (the Site). The Site formerly operated as a retail fuel outlet, an Imperial Oil (IOL) diesel cardlock and motel. The diesel card infrastructure and motel were previously removed from the Site by others.

The objectives of the work were to document the removal of the remaining gasoline service station infrastructure, and to complete additional soil sampling activities to further delineate the lateral and/or vertical extent of the previously identified petroleum hydrocarbon impacted soils.

The soil delineation work was completed and is summarized below. Note that some of the boreholes and monitoring wells were completed for geotechnical, and hydrogeological and environmental assessments reported under separate cover and as such, are not further discussed within this report. Additionally, assessment of stockpiled soil and non-petroleum parameters was completed for planning purposes and reported under separate cover and are not further discussed within this report.

Field work dates	October 2 to 4, 2024	
Test pits advanced	11 (TP1 to TP11)	
USTs removed	Five 18,930 fibreglass USTs and associated lines	
Site Condition Standard	Ministry of The Environment, Conservation and Parks (MECP) full depth generic site condition standards (SCS) for a non-potable groundwater condition (Table 7) for industrial/commercial/community property use in medium and fine textured soils.	
Maximum assessment depth	4.6 m below ground surface (bgs).	
Soil Stratigraphy	The stratigraphic profile encountered at the site during this investigation and previous investigations consisted of sandy fill up to 5.4 mbgs, overlying silty clay. Weathered shale was encountered at depths between 7.0 mbgs and 10.6 mbgs. Asphalt was observed at some locations on top of gravel fill.	
Depth to groundwater; inferred flow direction	The depth to groundwater during previous investigations was identified at depths ranging from near surface to 5.64 mbgs; Groundwater flow was inferred to be towards the east.	
	Soil	**Groundwater**
Evidence of free product	None	A sheen was detected in groundwater during the removal of the USTs.
Subsurface vapour concentration	Combustible: Not detect to 35% lower explosive limit (LEL) Organic: Not detect to 400 parts per million by volume (ppmv)	

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The Site no longer operates as a RFO and petroleum facilities were removed.

Based on the current and historical soil and groundwater analytical results:

- Petroleum related soil impacts were identified located in the area of the former fuel pump island canopy. The soil impacts were reasonably delineated horizontally and are localized to the former petroleum facilities.
- Petroleum related groundwater impacts were observed within the area north of the USTs. The groundwater impacts were delineated to the west, east; and south, but not to the north. The benzene exceedance observed at MW113 at the north property line was marginally above the SCSs.
- Based on analytical results from MW4, MW113, and MW201, the benzene exceedance at MW113 may not be related to petroleum equipment at the Site. Impacted groundwater was observed at MW201 and MW113 but not at MW4 which was located between the two impacted wells.

We understand Jennum intends on filing a Record of Site Condition (RSC) with the MECP in the next two to three years and the Site will remain vacant until that time. The identified soil and groundwater impacts will be remediated to obtain a Generic RSC or a Risk Assessment may be completed to support the RSC filing. Additional soil and groundwater sampling will be completed in the future as part of the RSC submission.

This Executive Summary is not intended to be a stand-alone document, but a summary of findings as described in the following Report. It is intended to be used in conjunction with the scope of services and limitations described therein.

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1.0 Introduction and Objectives

Jennum Properties Inc. (Jennum) retained BlueFrog Environmental Consulting Inc. (BlueFrog) to to oversee the removal of underground storage tanks (USTs) of the subject property located at 1310 South Service Road, Stoney Creek (the Site). The Site formerly operated as a retail fuel outlet, an Imperial Oil (IOL) diesel cardlock and motel was previously removed from the Site.

The objectives of the work were to document the removal of the remaining gasoline service station infrastructure, and to complete additional soil sampling activities to further delineate the lateral and/or vertical extent of the previously identified petroleum hydrocarbon impacted soils.

The subject work was performed in accordance with the agreement between BlueFrog Environmental Consulting Inc. and Jennum, dated September 9, 2024. This report has been prepared based on fieldwork and/or review of information conducted by BlueFrog, for the sole benefit and use by Jennum. In performing the work, BlueFrog has relied in good faith on information provided by others and has assumed that the information provided is both complete and accurate. The work was performed to current industry practice for similar environmental work, within the same regulatory jurisdiction. The findings presented herein should be considered in the context of the scope of work; further, the findings are considered valid only at the time the report was produced. The information presented herein shall not be construed as legal advice.

The conclusions, recommendations, and/or opinions presented in this report are based upon engineering and/or geoscience judgement and experience within the context of Jennum's objectives and the applicable guidelines, regulations, and legislation existing at the time the report was produced.

1.1 Site Description

The regional topography and Site location are shown on **Figure 1**.

The Site is approximately 2.67 hectares in size and was developed in the mid 1950s from undeveloped or agricultural land. The now vacant Site formerly operated as an IOL RFO and cardlock facility and a motel/restaurant/variety store complex. Site operations ceased in 2012. The Site is in a primarily commercial and residential area.

1.2 Background

The following documents were reviewed by BlueFrog.

1. *Review of Environmental Site Assessment Reports, 1310 South Service Road, Stoney Creek, Ontario,* prepared by Terraprobe, dated May 8, 2008.
2. *Subsurface Investigation Pump Island Area, 1310 South Service Road, Stoney Creek, Ontario*, prepared by Terraprobe, dated July 2008.
3. *Phase One Environmental Site Assessment, 1310 South Service Road, Stoney Creek, Ontario*, prepared by Terraprobe Inc, dated October 13, 2012.
4. *Phase Two Environmental Site Assessment, 1310 South Service Road, Stoney Creek, Ontario*, prepared by Terraprobe Inc, dated May 23, 2014.
5. *Phase II Environmental Site Assessment, West Portion of 1310 South Service Road, Stoney Creek, Ontario,* prepared by LRL Associates Ltd., dated April 5, 2021.

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6. *Supplemental Phase II Environmental Site Assessment, Former Retail Fuel Outlet, Cardlock and Motel, 1310 South Service Rd, Stoney Creek*, prepared by BlueFrog, dated August 10, 2022.

BlueFrog identified the following pertinent information from the documents provided:

- The Site was first developed between 1954 and 1965 and operated as an IOL RFO and diesel cardlock operation, and a motel/restaurant/variety store.
- The IOL RFO and cardlock operated on the northern half of the Site and the motel/restaurant/variety store building was located on the southern half of the Site.
- The fueling operations and the motel/restaurant/variety store ceased operations in 2012.
- All former aboveground structures were subsequently removed from the Site and the Site is currently vacant land.
- The underground storage tanks related to the former RFO and cardlock were abandoned in place and it is unknown if the underground dispensing equipment was removed.
- Terraprobe Inc. completed a Phase One Environmental Site Assessment (ESA) in 2013 for due diligence purposes. The relevant findings of the assessment are as follows:
    - A soil remediation report was reviewed as part of the Phase One ESA, which reported that the fueling infrastructure (fuel dispensing area, underground storage tanks) associated with the IOL cardlock, including an oil-water separator (OWS), were removed from the Site in 2012. A soil remediation program was subsequently undertaken to remove approximately 6300 tonnes of petroleum hydrocarbon (PHC) impacted soil for off-site disposal.
    - Four additional USTs located east of the IOL USTs were abandoned in place as these tanks were not associated with the cardlock operations and reportedly not IOL's responsibility. These USTs were associated with the RFO.
    - The southern extent of the IOL remediation extended to the northern portion of the RFO. However, it was reported that not all of the soil impacts were removed in the vicinity of the dispensing area as PHC-impacted soils were identified in this area and were reportedly associated with the RFO and not the diesel cardlock.
- The Phase One ESA identified the following Areas of Potential Environmental Concern or APECs:
    i. The former IOL RFO and cardlock operations at the Site.
    ii. Berms of soil at the boundaries of the Site were identified and the quality of the soil in the berms was unknown.
    iii. Historical records identified multiple on-Site spills of various quantities of petroleum products to the ground and ditch.
    iv. The potential application of pesticides on the south adjacent property related to a former potential fruit orchard.
- Terraprobe Inc. completed a Phase Two ESA in 2014 to assess the APECs identified during the Phase One ESA. In addition, LRL Associates (LRL) completed a Phase II ESA in 2020 to assess soil and groundwater conditions in the western portion of the Site only and BlueFrog completed a Supplemental Phase II ESA to further assess soil and groundwater conditions at the Site.
- The relevant findings of the Terraprobe Phase Two ESA, LRL Phase II ESA, and BlueFrog Supplemental Phase II ESA are as follows:
    - Soil and groundwater analytical results from the Terraprobe investigation were compared to the Ontario Ministry of the Environment, Conservation and Parks (MECP) Site Condition

Standards (SCSs) for non-potable groundwater, industrial/commercial/community property use and fine-medium textured soils.

- The soil and groundwater results for the LRL investigation were compared to the coarse textured standards.
- All the soil analytical results were below the 2011 Table 7 residential/parkland/institutional SCSs with the exception of the following:
  - The concentrations of one or more of PHC fractions F1 and F2 and benzene, toluene, ethylbenzene and xylenes (BTEX) in soil samples collected from four boreholes (BH5, BH9, BH110, and BH111) advanced in the vicinity of the former RFO dispensing area.
  - The concentrations of metals (cadmium and zinc) in a shallow soil sample collected from a borehole (MW8) advanced at the southeastern property boundary. The pH level in soil was also above the acceptable range of 5.0 to 9.0 at MW8.
  - The concentrations of electrical conductivity (EC) in shallow soil samples collected from three boreholes (BH5, MW7 and MW8).
  - The concentrations of barium in one stockpile sample (SP6) and EC in four stockpile samples (SP2, SP3, SP4, and SP5). The barium and EC exceedances are unrelated to the former fuel handling site.
- The groundwater analytical results were below the 2011 Table 7 SCSs with the exception of the following:
  - Benzene in one monitoring well (MW2) advanced during the Terraprobe Phase Two ESA at the northern portion of the Site. This monitoring well is situated in a downgradient location to the former IOL cardlock and RFO USTs.
  - Benzene in MW113 and petroleum related parameters (benzene, ethylbenzene, xylenes, PHC fractions F1 and F2, hexane) in BH201 north of the tank nest.
  - The concentrations of PHC fractions F2, F3 and F4 in a duplicate groundwater sample in a monitoring well (MW21-8) advanced during the 2021 LRL Phase II ESA in the western portion of the Site. The PHC concentrations in the groundwater sample are suspected to be biased high due to sediment in the sample as the laboratory certificate of analysis indicated that there was greater than 5% sediment in the sample. Concentrations of PHC fractions F2, F3 and F4 in a groundwater sample collected from MW21-8 in 2022 by BlueFrog met the SCSs and were below laboratory detection limits. Therefore, the exceedance at MW21-8 was due to sediment collected in the previous groundwater sample.

The historical soil and groundwater results are presented in Tables (**Tables 1a, 1b, 2a and 2b**) and Figures (**Figures 4 and 5**) presented in this report.

2.0 Scope of Work

The scope of work involved the following main activities:

- Oversee the removal of the gasoline service station infrastructure, which was completed by Claybar Contracting Inc. (Claybar).

- Advance test pits in the areas shown on **Figure 2**.
- Collect soil samples from the test pits for laboratory analysis of one or more of the following:
    - BTEX and PHC fractions F1 to F4
- Prepare a factual report documenting the field activities and results.

2.1 Assessment Rationale

The assessment rationale was as follows.

Assessment Location	Rationale	Soil Samples	Groundwater Samples
TP1 to TP8	Advance test pits in the vicinity of the former UST nest to determine lateral extent of PHC impacted soils related to the former gasoline service station and IOL cardlock.	PHC BTEX	N/A

2.2 Exceptions

There were no deviations to the sampling and analysis plan and applicable areas of the Site were accessible with no impediments affecting the sampling and analysis plan except:

- TP8 encountered a subsurface structure (septic tank) and could not be advanced to the target depth. TP9 was advanced proximal to TP8 to reach the target depth.
- Soil samples were not collected from TP4 and TP5 located east of the tank nest based on field evidence of impact since the objective of the test pits were to delineate PHC impacts in soil. Additional test pits (TP10 and TP11) were advanced further to the east to achieve lateral delineation.

3.0 Methodology

The soil delineation work was completed in general accordance with the Ontario Ministry of the Environment, Conservation and Parks (MECP) Guidance for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04 (as amended), the MECP Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (as amended), and standard industry practice. The work was not done to facilitate filing of a MECP Record of Site Condition.

Soil samples were submitted to the Bureau Veritas (BV) laboratory in Mississauga, Ontario. BV's Mississauga laboratory is accredited by the Standards Council of Canada. Analytical methods used by the laboratory are referenced in the certificates of analysis presented in **Appendix C**. Analytical procedures were conducted in accordance with the MECP Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (as amended).

A summary of the work is as follows.

Field work dates	UST removal: October 2, 2024 Test pitting: October 4, 2024
Petroleum equipment removal and excavation contractor	Claybar Contracting Inc.
Maximum assessment depth	4.6 mbgs
Test pits advanced	11 (TP1 to TP11)
USTs removed	Five 18,930 fibreglass USTs

Field methodology is further discussed in the following subsections. The assessment locations are presented on **Figure 2**. Test pit logs detailing soil observations are presented on **Appendix A**.

3.1 Petroleum Equipment Removal

Claybar conducted the excavation and removal of USTs and associated lines. BlueFrog attended the Site to document soil conditions and condition of the USTs.

Residual fluids in the USTs were emptied by a hydro-vacuum truck. A total volume of 151,825 L of oily water were disposed of off-site by Hydro Excavating Services Ltd. The oily water was disposed at the GFL Environmental Services Inc. facility at 36 and 40 Advance Boulevard, Brampton, Ontario. Manifests for the transportation of the oily water are presented in **Appendix B**.

Claybar advanced an excavation to remove five 18,930 L fibreglass USTs. One UST was observed to have been filled with concrete. The storage tanks were disposed of at Advantage Waste Systems at 231 South Service Road, Grimsby, ON

3.2 Test Pitting

Public and private utility locates were completed by Claybar prior to the initiation of the test pitting program.

BlueFrog staff supervised the digging of test pits. The assessment locations are presented on **Figure 2**.

During test pit advancement, test pits were logged for textural classification and visual observations. Test pits were advanced with a CAT325F excavator. Test pit logs are presented in **Appendix A**.

3.3 Soil Sampling

During the test pit investigation soil samples were collected using the excavator bucket at regular intervals.

The samples were collected using a stainless-steel trowel and nitrile gloves. Each soil sample was immediately split; one portion of the sample was sealed in a clean plastic bag for vapour screening, the remainder of the sample was placed in containers supplied by the laboratory and stored in coolers on ice for possible analysis.

The sampling devices were cleaned with a solution of phosphate-free detergent and water, then rinsed with distilled water, prior to collecting each sample.

Soil screening included:

- Determining textural description;
- Visual evidence of impact (e.g., staining, or free product); and

- Measurement of combustible vapours (CV) and organic vapours (OV) from the soil headspace using an RKI EAGLE 2 gas monitor.

Soil samples submitted for laboratory analysis were selected based on field screening results, visual observations and/or sample location relative to the water table. Samples were collected into sample bottles supplied by the laboratory:

- In 40-mL clear glass vials pre-charged with 10 mL of methanol preservative for analysis of VOCs (including BTEX) and PHC fraction F1. Approximately 5 g of soil was collected using a dedicated sampling syringe.
- In 120-mL glass jars with Teflon lined lids for analysis of PHC fractions F2 to F4.

3.4 Quality Assurance and Quality Control (QA/QC)

A QA/QC program was implemented to reduce and quantify potential issues introduced during sample collection, handling, shipping, and analysis. The quality assurance program included, but was not limited to, using trained field personnel, dedicated sampling equipment, employing sample-specific identification and labelling procedures, using chain of custody records, and duplicate samples.

4.0 Selected Site Condition Standards

Based on the details provided below, the site condition standards (SCSs) selected were:

- Ministry of The Environment, Conservation and Parks (MECP) full depth generic site condition standards (SCSs) for a non-potable groundwater condition (Table 7) for industrial/commercial/community property use in medium and fine textured soils (MECP Table 7 SCSs).

Groundwater condition	Non-potable: The Site is supplied by a municipal drinking water system. No drinking water wells are located within 250 m of the Site.
Environmentally sensitive areas	No part of Site is on or within 30 m of an area of natural significance. pH values for surface soil samples (< 1.5 mbgs) are generally not less than 5 or greater than 9. pH values for subsurface soil samples (> 1.5 mbgs) are not less than 5 or greater than 11. The pH from two surface samples collected from MW8 during a previous assessment were above 9. Twenty-seven other samples were analyzed for pH and were within the acceptable range, therefore, in our opinion, the elevated pH at BH8 is anomalous. The elevated pH will also be removed when the Site is redeveloped in two to three years.
Shallow soil property	As indicated by the available borehole logs from previous investigations, less than one third of the Site consists of soil equal to or less than 2 meters in depth beneath the soil surface, excluding any non-soil surface treatment. However, groundwater at the Site was shallower than 2 mbgs.
Proximity to a waterbody	A waterbody is not located on, adjacent to, or within 30 m of the property.
Current and proposed land use	The current use of the Site is industrial with a proposed change to residential use.
Soil texture	Fine textured soils, as determined by the borehole logs and grain size analysis from previous investigations, which collectively indicated that more than two-thirds of the soil at the property, measured by volume, consisted of 50 percent or more of particles that are smaller than 75 µm in diameter.

Full depth or stratified	The full depth rather than the stratified generic site condition standards was selected.

5.0 Field Observations

5.1 Soil

Field observations are presented on the test pit logs in **Appendix A** and summarized below.

Stratigraphy	The stratigraphic profile encountered with increasing depth during this investigation and previous investigations consisted of sand fill up to 5.4 mbgs, overlying native silty clay to the maximum depth of 11.1 mbgs. Weathered shale was encountered at depths between 7.0 mbgs and 10.6 mbgs.
Soil vapour concentrations	Combustible: Not detected to 35% lower explosive limit (LEL) Organic: Not detected to 400 parts per million by volume (ppmv)
Visual evidence of impact (e.g., staining or free product)	None

5.2 Groundwater

The groundwater elevations from a May 6, 2022 monitoring event have been contoured and presented on **Figure 3**. It should be noted that the groundwater table fluctuates seasonally, and groundwater depths are based on short term monitoring.

Measured water levels in monitoring wells within the northern portion of the Site were generally shallower, which is likely due drainage issues associated with surface water accumulating in the area.

Groundwater levels	Monitored on May 6, 2022: ranged from near surface to 5.64 mbgs;
Inferred groundwater direction	Groundwater flow was inferred to be towards the east on May 6, 2022.
Free product (LNAPL and DNAPL)	A sheen was detected within the purged water of BH201 during an April 2022 groundwater sampling event.

6.0 Analytical Results

6.1 Soil Analytical Results

The soil analytical results are presented and compared to the applicable MECP Table 7 SCSs in **Tables 2a and 2b**. The laboratory certificates of analysis are present as **Appendix C**.

The concentration of each parameter of concern met the applicable MECP Table 7 SCSs in the soil samples collected from the test pits.

6.2 Quality Assurance and Quality Control (QA/QC)

The results of the laboratory quality control analyses are presented in the laboratory certificates of analysis in **Appendix C**. The analyses included instrument and extraction surrogate recovery, method blanks, matrix duplicates, and matrix spikes and were considered acceptable with respect to conventional QA/QC standards.

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No QA/QC issues were identified that would materially affect the assessment findings presented in this report.

7.0 Findings

The objectives of the work were to document the removal of the remaining gasoline service station infrastructure, and to complete additional soil sampling activities to further delineate the lateral and/or vertical extent of the previously identified petroleum hydrocarbon impacted soils.

Soil samples were collected and submitted for laboratory analysis for one or more of BTEX and PHC fractions F1 to F4.

The results of the assessment are summarized as follows:

- **Petroleum equipment removed**: five 18,930 L fibreglass USTs and associated lines.
- **Stratigraphy and soil observations:** The stratigraphic profile encountered with increasing depth during this investigation and previous investigations generally consisted of sand fill up to 5.4 mbgs, overlying native silty clay to the maximum depth of 11.1 mbgs. Weathered shale was encountered at depths between 7.0 mbgs and 10.6 mbgs.
- **Groundwater depth and flow direction:** The depth to groundwater during previous investigations was identified at depths ranging from near surface to 5.64 mbgs; Groundwater flow was inferred to be towards the east.
- **Site Condition Standards:** MECP full depth generic site condition standards for a non-potable groundwater condition (Table 7) for industrial/commercial/community property use in medium and fine textured soils was selected for comparison with the soil and groundwater analytical results.
- **Soil analytical results:** met the applicable Table 7 SCSs in the soil samples collected from the test pits.

8.0 Discussion

The Site no longer operates as a RFO and petroleum equipment were removed.

Based on the current and historical soil and groundwater analytical results:

- Petroleum related soil impacts were identified in the area of the former fuel pump island canopy. The soil impacts were reasonably delineated horizontally delineated and are localized to the petroleum facilities.
- Petroleum related groundwater impacts were observed within the area north of the USTs. The groundwater impacts were delineated to the west, east; and south, but not to the north. The benzene exceedance observed at MW113 at the north property line was marginally above the SCSs.
    - Based on analytical results from MW4, MW113, and MW201, the benzene exceedance at MW113 may not be related to petroleum equipment at the Site. Impacted groundwater was observed at MW201 and MW113 but not at MW4 which was located between the two impacted wells.

We understand Jennum intends on filing a Record of Site Condition (RSC) with the MECP in the next two to three years and the Site will remain vacant until that time. The identified soil and groundwater impacts will be remediated to obtain a Generic RSC or a Risk Assessment may be completed to support the RSC filing. Additional soil and groundwater sampling will be completed in the future as part of the RSC submission.

9.0 Closure

We trust that the above information meets your present needs. Please do not hesitate to contact us if you have any questions or comments.

Sincerely,

BlueFrog Environmental Consulting Inc.

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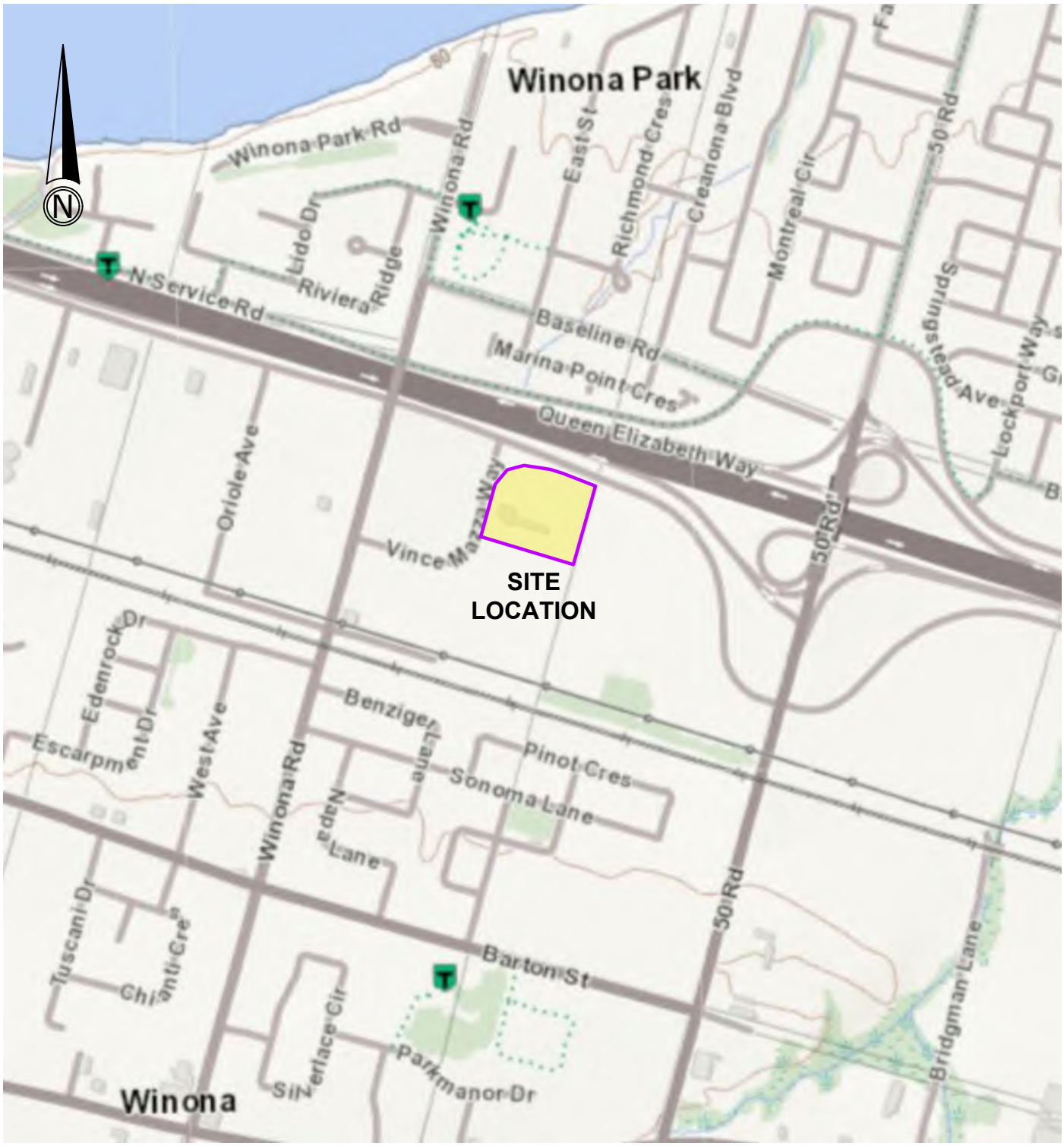
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Figures

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MAP REFERENCE: Ontario Ministry of Natural Resources and Forestry. © King's Printer for Ontario, 2024.

0 100 200 400m

Scale 1 : 10 000

BlueFrog Environmental Consulting Inc.

SITE LOCATION MAP

1310 SOUTH SERVICE ROAD, HAMILTON, ONTARIO

0138-001.03	DECEMBER 2024	FIGURE 1

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0 5 10 20 30m

Scale 1 : 750

LEGEND

- SITE BOUNDARY
- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- FORMER BUILDING FOOTPRINT
- BOREHOLE
  - BH101, BH102, BH104 AND BH108 TO BH111 ADVANCED BY BLUEFROG (2022)
  - BH21-2 TO BH21-5 ADVANCED BY IRL (2021)
  - BH5 AND BH9 ADVANCED BY TERRAPROBE (2014)
- MONITORING WELL
  - MW103, MW105 TO MW107 AND MW112 TO MW114 INSTALLED BY BLUEFROG (2022)
  - MW21-1 AND MW21-6 TO MW21-8 INSTALLED BY IRL (2021)
  - MW0, MW1, MW3, MW4 AND MW6 TO MW8 INSTALLED BY TERRAPROBE (2014)
  - BH201 TO BH204, BH302 TO BH304, BH306 AND BH401 INSTALLED BY OTHERS
- TEST PIT
  - TP1 TO TP11 ADVANCED BY BLUEFROG (2024)
- OIL WATER SEPARATOR
- FIRE HYDRANT
- ASPHALT
- CONCRETE
- DIRT / GRAVEL
- GRASS / BUSH

NOTES:

LOCATIONS ARE APPROXIMATE.

PROPERTY BOUNDARIES: Ontario Ministry of Natural Resources and Forestry. © King's Printer for Ontario, 2024.

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BlueFrog Environmental Consulting Inc.

SITE PLAN

1310 SOUTH SERVICE ROAD, HAMILTON, ONTARIO

0138-001.03	DECEMBER 2024	FIGURE 2

File: 0138-001.03_24PH2.dwg Date: December 11, 2024 4:39:57 PM By: Chris

100.00 m

SOUTH SERVICE ROAD

VINCE MAZZA WAY

MW1 NM

BH306 NM

MW113 99.09

OW

MW21-7 NM

NM MW4

BH401 [98.07]

BH201 NM

MW3 [99.00]

MW112 99.31

MW0 NM

MW114 99.39

BH204 NM

99.50

BH203 NM

BH202 NM

BH302 NM

MW105 95.84

MW21-1 NM

MW103 [94.03]

99.00

MW21-8 NM

98.50

98.00

BH303 NM

97.00

96.50

MW106 [92.23]

MW21-6 99.22

97.50

MW6 NM

BH304 NM

MW7 NM

MW8 NM

MW107 [99.63]

COSTCO PARKING LOT

PROPERTY BOUNDARIES: Ontario Ministry of Natural Resources and Forestry. © King's Printer for Ontario, 2024.

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N

0 5 10 20 30m

Scale 1 : 750

LEGEND

- SITE BOUNDARY
- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- FORMER BUILDING FOOTPRINT
- MONITORING WELL
  - MW103, MW105 TO MW107 AND MW112 TO MW114 INSTALLED BY BLUEFROG (2022)
  - MW21-1 AND MW21-6 TO MW21-8 INSTALLED BY IRL (2021)
  - MW0, MW1, MW3, MW4 AND MW6 TO MW8 INSTALLED BY TERRAPROBE (2014)
  - BH201 TO BH204, BH302 TO BH304, BH306 AND BH401 INSTALLED BY OTHERS
- OW — OIL WATER SEPARATOR
- FIRE HYDRANT
- 100.00 m — BENCHMARK
- 95.84 — GROUNDWATER ELEVATION (m) RELATIVE TO LOCAL BENCHMARK
- [92.23] — NOT USED IN CONTOURING
- NM — NOT MONITORED
- 99.00 — GROUNDWATER ELEVATION CONTOUR (m) RELATIVE TO LOCAL BENCHMARK
- INTERPRETED GROUNDWATER FLOW DIRECTION

NOTES:

LOCATIONS ARE APPROXIMATE.

BENCHMARK IS THE FIRE HYDRANT LOCATED NORTHEAST OF THE SITE ALONG SOUTH SERVICE ROAD WITH AN ASSIGNED ELEVATION OF 100.00 m.

BlueFrog Environmental Consulting Inc.

ELEVATION OF POTENTIOMETRIC SURFACE - MAY 06, 2022
1310 SOUTH SERVICE ROAD, HAMILTON, ONTARIO

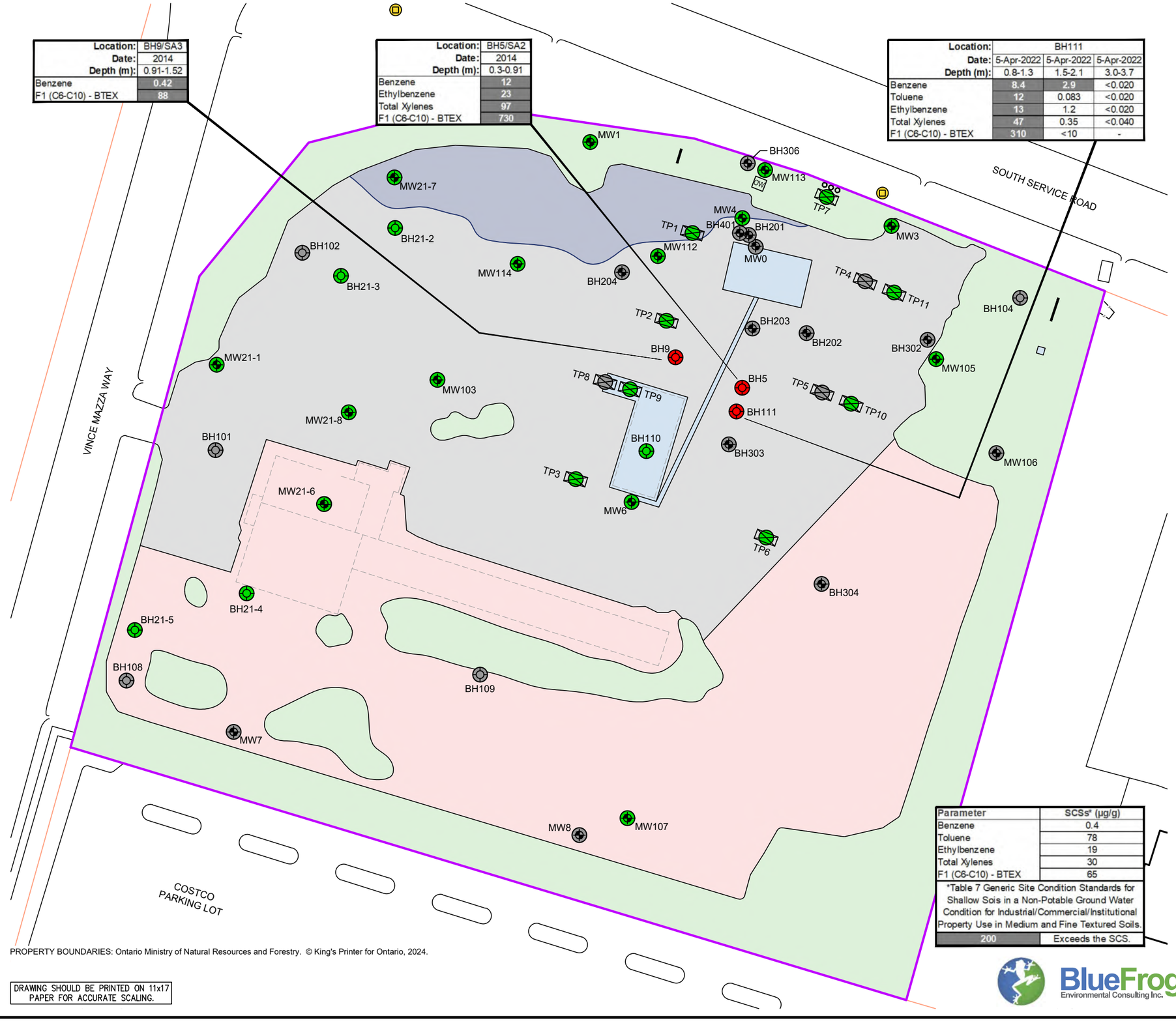
0138-001.03	DECEMBER 2024	FIGURE 3

File: 0138-001.03_24PH2.dwg Date: December 11, 2024 4:39:57 PM By: Chris

Location:	BH9/SA3
Date:	2014
Depth (m):	0.91-1.52
Benzene	0.42
F1 (C6-C10) - BTEX	88

Location:	BH5/SA2
Date:	2014
Depth (m):	0.3-0.91
Benzene	12
Ethylbenzene	23
Total Xylenes	97
F1 (C6-C10) - BTEX	730

Location:	BH111		
Date:	5-Apr-2022	5-Apr-2022	5-Apr-2022
Depth (m):	0.8-1.3	1.5-2.1	3.0-3.7
Benzene	8.4	2.9	<0.020
Toluene	12	0.083	<0.020
Ethylbenzene	13	1.2	<0.020
Total Xylenes	47	0.35	<0.040
F1 (C6-C10) - BTEX	310	<10	-



0 5 10 20 30m

Scale 1 : 750

LEGEND

- SITE BOUNDARY
- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- FORMER BUILDING FOOTPRINT
- BOREHOLE
  - BH101, BH102, BH104 AND BH108 TO BH111 ADVANCED BY BLUEFROG (2022)
  - BH21-2 TO BH21-5 ADVANCED BY IRL (2021)
  - BH5 AND BH9 ADVANCED BY TERRAPROBE (2014)
- MONITORING WELL
  - MW103, MW105 TO MW107 AND MW112 TO MW114 INSTALLED BY BLUEFROG (2022)
  - MW21-1 AND MW21-6 TO MW21-8 INSTALLED BY IRL (2021)
  - MW0, MW1, MW3, MW4 AND MW6 TO MW8 INSTALLED BY TERRAPROBE (2014)
  - BH201 TO BH204, BH302 TO BH304, BH306 AND BH401 INSTALLED BY OTHERS
- TEST PIT
  - TP1 TO TP11 ADVANCED BY BLUEFROG (2024)
- OIL WATER SEPARATOR
- FIRE HYDRANT
- SOIL ANALYTICAL RESULTS FOR ONE OR MORE ANALYZED PARAMETER EXCEED THE APPLICABLE STANDARD
- SOIL ANALYTICAL RESULTS FOR ALL ANALYZED PARAMETERS MEET THE APPLICABLE STANDARD
- NOT SAMPLED

NOTES:

LOCATIONS ARE APPROXIMATE.

Parameter	SCSs* (µg/g)
Benzene	0.4
Toluene	78
Ethylbenzene	19
Total Xylenes	30
F1 (C6-C10) - BTEX	65
*Table 7 Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition for Industrial/Commercial/Institutional Property Use in Medium and Fine Textured Soils.	
200	Exceeds the SCS.

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BlueFrog Environmental Consulting Inc.

SOIL ANALYTICAL RESULTS (BTEX, PHC FRACTIONS F1 TO F4) 1310 SOUTH SERVICE ROAD, HAMILTON, ONTARIO

0138-001.03	DECEMBER 2024	FIGURE 4

File: 0138-001.03_24PH2.dwg Date: December 11, 2024 4:39:57 PM By: Chris

Location:	MW113
Date:	08-April-2022
Benzene	1.2

Location:	BH201	DUP-1
Date:	11-April-2022	11-April-2022
Benzene	850	830
Ethylbenzene	1300	1400
Total Xylenes	1900	1900
F1 (C6-C10) - BTEX	4200	4400
F2 (C10-C16)	2700	2700
Hexane(n)	160	-



0 5 10 20 30m

Scale 1 : 750

LEGEND

- SITE BOUNDARY
- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- FORMER BUILDING FOOTPRINT
- MONITORING WELL
  - MW103, MW105 TO MW107 AND MW112 TO MW114 INSTALLED BY BLUEFROG (2022)
  - MW21-1 AND MW21-6 TO MW21-8 INSTALLED BY IRL (2021)
  - MW0, MW1, MW3, MW4 AND MW6 TO MW8 INSTALLED BY TERRAPROBE (2014)
  - BH201 TO BH204, BH302 TO BH304, BH306 AND BH401 INSTALLED BY OTHERS
- OIL WATER SEPARATOR
- FIRE HYDRANT
- GROUNDWATER ANALYTICAL RESULTS FOR ONE OR MORE ANALYZED PARAMETER EXCEED THE APPLICABLE STANDARD
- GROUNDWATER ANALYTICAL RESULTS FOR ALL ANALYZED PARAMETERS MEET THE APPLICABLE STANDARD
- NOT SAMPLED

Parameter	SCSs* (µg/g)
Benzene	0.5
Ethylbenzene	54
Total Xylenes	72
F1 (C6-C10) - BTEX	420
F2 (C10-C16)	150
F3 (C16-C34)	500
F4 (C34-C50	500
Hexane (n)	5
*Table 7 Generic Site Condition Standards for Shallow Sois in a Non-Potable Ground Water Condition for All Property Use in Medium and Fine Textured Soils.	
200	Exceeds the SCS.

NOTES:

LOCATIONS ARE APPROXIMATE.

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BlueFrog Environmental Consulting Inc.

GROUNDWATER ANALYTICAL RESULTS

1310 SOUTH SERVICE ROAD, HAMILTON, ONTARIO

0138-001.03	DECEMBER 2024	FIGURE 5

Tables

Table 1a: Soil Analytical Results

Sample Location:	MECP[1] Table 7[2]	MW103	MW105	BH110	BH110	BH111	BH111	BH111	MW112	MW112	DUP-1	MW113	MW114
Sample ID:		MW103-1.5-2.1	MW105-1.5-2.1	BH110-0.8-1.3	BH110-3.0-3.7	BH111-0.8-1.3	BH111-1.5-2.1	BH111-3.0-3.7	MW112-1.5-2.1	MW112-5.3-5.9	DUP-1	MW113-1.5-2.1	MW114-2.3-2.9
Sampling Date (yyyy-mm-dd):		2022/03/31	2022/03/31	2022/04/04	2022/04/04	2022/04/05	2022/04/05	2022/04/05	2022/04/05	2022/04/05	2022/04/05	2022/04/05	2022/04/05
Sample Depth Interval (m):		1.5-2.1	1.5-2.1	0.8-1.3	3.0-3.7	0.8-1.3	1.5-2.1	3.0-3.7	1.5-2.1	5.3-5.9	-	1.5-2.1	2.3-2.9
BTEX													
Benzene	0.4	<0.020	<0.0060	<0.0060	<0.020	**8.4**	**2.9**	<0.020	<0.0060	<0.0060	<0.020	<0.0060	<0.0060
Toluene	78	<0.020	<0.020	<0.020	<0.020	12	0.083	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Ethylbenzene	19	<0.020	<0.010	3.3	<0.020	13	1.2	<0.020	<0.010	<0.010	<0.020	<0.010	<0.010
Total Xylenes	30	<0.040	<0.020	3.7	<0.040	**47**	0.35	<0.040	<0.020	<0.020	<0.040	<0.020	<0.020
Petroleum Hydrocarbons (PHCs)													
F1 (C6-C10) - BTEX	65	<10	<10	58	<10	**310**	<10	-	<10	<10	<10	<10	<10
F2 (C10-C16)	250	<10	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	<10
F3 (C16-C34)	2500	<50	<50	<50	<50	<50	<50	-	150	<50	<50	<50	<50
F4 (C34-C50)	6600	<50	<50	<50	<50	<50	<50	-	320	<50	<50	<50	<50
Reached Baseline at C50	NV	YES	YES	YES	YES	YES	YES	-	NO	YES	YES	YES	YES
F4 Gravimetric	6600	-	-	-	-	-	-	-	1000	-	-	-	-

BOLD Result exceeding the applicable standards.
BOLD Detection limit exceeds the applicable standards.

1. Standards refers to Ministry of the Environment, Conservation and Parks (MECP) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" March 9, 2004, amended as of April 15, 2011.
2. Ministry of the Environment, Conservation and Parks Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition for Industrial/Commercial/Community Property Use in Medium and Fine Textured Soils.
3. All units are µg/g unless otherwise specified.

Table 1a: Soil Analytical Results

Sample Location:	MECP[1] Table 7[2]	TP1	TP2	TP3	TP6	TP7	TP9	TP10	TP11
Sample ID:		TP1-2.0	TP2-1.0	TP3-1.0	TP6-3.0	TP7-3.0	TP9-1.0	TP10-2.0	TP11-2.0
Sampling Date (yyyy-mm-dd):		2024/10/03	2024/10/03	2024/10/03	2024/10/03	2024/10/03	2024/10/03	2024/10/03	2024/10/03
Sample Depth Interval (m):		2.0	1.0	1.0	3.0	3.0	1.0	2.0	2.0
BTEX									
Benzene	0.4	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Toluene	78	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Ethylbenzene	19	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.021	<0.020
Total Xylenes	30	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Petroleum Hydrocarbons (PHCs)									
F1 (C6-C10) - BTEX	65	<10	<10	<10	<10	<10	<10	17	<10
F2 (C10-C16)	250	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
F3 (C16-C34)	2500	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34-C50)	6600	<50	<50	<50	<50	<50	<50	<50	<50
Reached Baseline at C50	NV	YES	YES	YES	YES	YES	YES	YES	YES
F4 Gravimetric	6600	-	-	-	-	-	-	-	-

BOLD Result exceeding the applicable standards.
BOLD Detection limit exceeds the applicable standards.

1. Standards refers to Ministry of the Environment, Conservation and Parks (MECP) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" March 9, 2004, amended as of April 15, 2011.
2. Ministry of the Environment, Conservation and Parks Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition for Industrial/Commercial/Community Property Use in Medium and Fine Textured Soils.
3. All units are µg/g unless otherwise specified.

Table 1b: Soil Analytical Results

Sample Location:	MECP[1] Table 7[2]	MW105	BH110	BH111	BH111	MW112	MW112	MW113	MW114
Sample ID:		MW105-1.5-2.1	BH110-0.8-1.3	BH111-0.8-1.3	BH111-1.5-2.1	MW112-1.5-2.1	MW112-5.3-5.9	MW113-1.5-2.1	MW114-2.3-2.9
Sample Depth Interval (m):		1.5-2.1	0.8-1.3	0.8-1.3	1.5-2.1	1.5-2.1	5.3-5.9	1.5-2.1	2.3-2.9
Sampling Date (yyyy-mm-dd):		3/31/2022	4/4/2022	4/5/2022	4/5/2022	4/5/2022	4/5/2022	4/5/2022	4/5/2022
Volatile Organic Compounds (VOCs)									
Acetone	28	<0.49	<0.49	<1.5	<0.49	<0.49	<0.49	<0.49	<0.49
Benzene	0.4	<0.0060	<0.0060	**8.4**	**2.9**	<0.0060	<0.0060	<0.0060	<0.0060
Bromodichloromethane	18	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Bromoform	1.7	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Bromomethane	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Carbon Tetrachloride	1.5	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Chlorobenzene	2.7	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Chloroform	0.18	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dibromochloromethane	13	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,2-Dichlorobenzene	8.5	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,3-Dichlorobenzene	12	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,4-Dichlorobenzene	0.84	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1-Dichloroethane	21	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,2-Dichloroethane	0.05	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
1,1-Dichloroethylene	0.48	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Cis-1,2-Dichloroethylene	37	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Trans-1,2-Dichloroethylene	9.3	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,2-Dichloropropane	0.68	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Cis-1,3-Dichloropropylene	NV	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Trans-1,3-Dichloropropylene	NV	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Ethylbenzene	19	<0.010	3.3	13	1.2	<0.010	<0.010	<0.010	<0.010
Ethylene Dibromide	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Methyl Ethyl Ketone	88	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Methylene Chloride	2	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
Methyl Isobutyl Ketone	210	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Methyl-t-Butyl Ether	3.2	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Styrene	43	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1,1,2-Tetrachloroethane	0.11	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1,2,2-Tetrachloroethane	0.094	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Toluene	78	<0.020	<0.020	12	0.083	<0.020	<0.020	<0.020	<0.020
Tetrachloroethylene	21	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1,1-Trichloroethane	12	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1,2-Trichloroethane	0.11	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Trichloroethylene	0.61	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vinyl Chloride	0.25	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
m-Xylene & p-Xylene	NV	<0.020	3.7	45	0.29	<0.020	<0.020	<0.020	<0.020
o-Xylene	NV	<0.020	<0.020	2.1	0.057	<0.020	<0.020	<0.020	<0.020
Total Xylenes	30	<0.020	3.7	**47**	0.35	<0.020	<0.020	<0.020	<0.020
Dichlorodifluoromethane	25	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Hexane(n)	88	<0.040	0.1	8.3	0.072	<0.040	<0.040	<0.040	<0.040
Trichlorofluoromethane	5.8	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,3-Dichloropropene (cis + trans)	0.21	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

BOLD Result exceeding the applicable standards.
BOLD Detection limit exceeds the applicable standards.

1. Standards refers to Ministry of the Environment, Conservation and Parks (MECP) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" March 9, 2004, amended as of April 15, 2011.
2. Ministry of the Environment, Conservation and Parks Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition for Industrial/Commercial/Community Property Use in Medium and Fine Textured Soils.
3. All units are µg/g unless otherwise specified.

Table 1a: Groundwater Analytical Results

Sample Location:	MECP[1] Table 7[2]	MW112	MW113	MW114	MW21-8	BH401	BH201		BH303	MW105
Sample ID:		MW112	MW113	MW114	MW21-8	BH401	BH201	DUP-1	BH303	MW105
Sampling Date (yyyy-mm-dd):		2022/04/08	2022/04/08	2022/04/08	2022/04/11	2022/04/11	2022/04/11	2022/04/11	2022/04/11	2022/05/06
BTEX										
Benzene	0.5	0.32	**1.2**	<0.17	<0.17	<0.17	**850**	**830**	<0.17	<0.17
Toluene	320	0.39	0.63	<0.20	<0.20	<0.20	37	34	<0.20	<0.20
Ethylbenzene	54	<0.20	<0.20	<0.20	<0.20	<0.20	**1300**	**1400**	<0.20	<0.20
Total Xylenes	72	<0.20	1	<0.20	<0.20	<0.20	**1900**	**1900**	<0.20	<0.20
Petroleum Hydrocarbons (PHCs)										
F1 (C6-C10) - BTEX	420	<25	<25	<25	<25	<25	**4200**	**4400**	<25	<25
F2 (C10-C16)	150	<100	<100	<100	<100	<100	**2700**	**2700**	<100	<100
F3 (C16-C34)	500	<200	<200	240	<200	<200	500	450	<200	<200
F4 (C34-C50)	500	<200	<200	<200	<200	<200	<200	<200	<200	<200
Reached Baseline at C50	NV	YES	YES	YES	YES	YES	YES	YES	YES	YES

BOLD Result exceeding the applicable standards.
BOLD Detection limit exceeds the applicable standards.

1. Standards refers to Ministry of the Environment, Conservation and Parks (MECP) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" March 9, 2004, amended as of April 15, 2011.
2. Ministry of the Environment, Conservation and Parks Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition for All Types of Property Use in Medium and Fine Textured Soils.
3. All units are µg/L unless otherwise specified.

Table 1b: Groundwater Analytical Results

Sample Location:	MECP[1] Table 7[2]	MW112	MW113	MW114	MW21-8	BH401	BH201	BH303	MW105
Sample ID:		MW112	MW113	MW114	MW21-8	BH401	BH201	BH303	MW105
Sampling Date (yyyy-mm-dd):		2022/04/08	2022/04/08	2022/04/08	2022/04/11	2022/04/11	2022/04/11	2022/04/11	2022/05/06
Volatile Organic Compounds (VOCs)									
Acetone	100000	<10	27	20	<10	<10	<60	<10	<10
Benzene	0.5	0.32	**1.2**	<0.17	<0.17	<0.17	**850**	<0.17	<0.17
Bromodichloromethane	67000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon Tetrachloride	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	140	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	65000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichlorobenzene	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	7600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	11	<0.20	<0.20	<0.20	0.32	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cis-1,2-Dichloroethylene	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trans-1,2-Dichloroethylene	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloropropane	0.58	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cis-1,3-Dichloropropylene	NV	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Trans-1,3-Dichloropropylene	NV	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Ethylbenzene	54	<0.20	<0.20	<0.20	<0.20	<0.20	**1300**	<0.20	<0.20
Ethylene Dibromide	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Ethyl Ketone	21000	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	26	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl Isobutyl Ketone	5200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl-t-Butyl Ether	15	<0.50	<0.50	<0.50	<0.50	<0.50	1	<0.50	<0.50
Styrene	43	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	320	0.39	0.63	<0.20	<0.20	<0.20	37	<0.20	<0.20
Tetrachloroethylene	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	23	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethylene	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl Chloride	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
m-Xylene & p-Xylene	NV	<0.20	0.56	<0.20	<0.20	<0.20	1800	<0.20	<0.20
o-Xylene	NV	<0.20	0.45	<0.20	<0.20	<0.20	84	<0.20	<0.20
Total Xylenes	72	<0.20	1	<0.20	<0.20	<0.20	**1900**	<0.20	<0.20
Dichlorodifluoromethane	3500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexane(n)	5	<1.0	<1.0	<1.0	<1.0	<1.0	**160**	<1.0	<1.0
Trichlorofluoromethane	2000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichloropropene (cis + trans)	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

BOLD Result exceeding the applicable standards.
BOLD Detection limit exceeds the applicable standards.

1. Standards refers to Ministry of the Environment, Conservation and Parks (MECP) "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" March 9, 2004, amended as of April 15, 2011.
2. Ministry of the Environment, Conservation and Parks Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition for All Types of Property Use in Medium and Fine Textured Soils.
3. All units are µg/L unless otherwise specified.

Appendix A
Test Pit Logs

TESTPIT LOG

PROJECT: Supplemental Phase II Environmental Site Assessment	REF. NO.:0138-001.03	**TESTPIT NO: TP1**
LOCATION:1310 South Service Road, Stoney Creek, Ontario	TPC ELEV.:-	START DATE:10/03/24
CLIENT: Jennum Properties Inc.	GRADE ELEV.: -	COMPLETION DATE:10/03/24
BENCHMARK:-		PAGE 1 OF 1

Depth (m) Water Level	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: NUMBER	SAMPLE TYPE	"N" VALUE	RECOVERY %	SAMPLE NAME / LAB ANALYSES	ORGANIC VAPOUR CONCENTRATION (ppmv) ▲COMBUSTIBLE VAPOUR CONCENTRATION (ppmv) 100 200 300 400	■COMBUSTIBLE VAPOUR CONCENTRATION (% LEL) 20 40 60 80	COMMENTS AND MONITORING WELL NOTES	MONITORING WELL	Depth (ft) Water Level
0	GRAVEL (Fill) - brown, sandy, damp											0
1								▲2 ND				1
2							TP1-2.0/BTEX, PHC F1-F4	▲2 ND				2
3								▲2 ND				3
4								▲2 ND				4
	END OF TESTPIT AT 4.6m											

BlueFrog Environmental Consulting Inc.

LOGGED BY: AL	EQUIPMENT: Excavator	DAYLIGHTING: No
REVIEWED BY: SW	METHOD: Excavator	WELL DIAMETER: n/a
DRAFTED BY: AD	GAS METER TYPE: RKI Eagle 2	BOREHOLE DIAMETER: -

TESTPIT LOG

PROJECT:Supplemental Phase II Environmental Site Assessment	REF. NO.:0138-001.03	**TESTPIT NO: TP2**
LOCATION:1310 South Service Road, Stoney Creek, Ontario	TPC ELEV.:-	START DATE:10/03/24
CLIENT: Jennum Properties Inc.	GRADE ELEV.: -	COMPLETION DATE:10/03/24
BENCHMARK:-		PAGE 1 OF 1

Depth (m) Water Level	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: NUMBER	SAMPLE TYPE	"N" VALUE	RECOVERY %	SAMPLE NAME / LAB ANALYSES	ORGANIC VAPOUR CONCENTRATION (ppmv) ▲COMBUSTIBLE VAPOUR CONCENTRATION (ppmv) 100 200 300 400	■COMBUSTIBLE VAPOUR CONCENTRATION (% LEL) 20 40 60 80	COMMENTS AND MONITORING WELL NOTES	MONITORING WELL	Depth (ft) Water Level
	GRAVEL (Fill) - grey, damp											
	CLAY - brown to grey, silty, moist						TP2-1.0/BTEX, PHC F1-F4	ND ND ND ND ND				
3	END OF TESTPIT AT 3.0m											

LOGGED BY: AL	EQUIPMENT: Excavator	DAYLIGHTING: No
REVIEWED BY: SW	METHOD: Excavator	WELL DIAMETER: n/a
DRAFTED BY: AD	GAS METER TYPE: RKI Eagle 2	BOREHOLE DIAMETER: -

BlueFrog Environmental Consulting Inc.

TESTPIT LOG

PROJECT:Supplemental Phase II Environmental Site Assessment	REF. NO.:0138-001.03	**TESTPIT NO: TP3**
LOCATION:1310 South Service Road, Stoney Creek, Ontario	TPC ELEV.:-	START DATE:10/03/24
CLIENT: Jennum Properties Inc.	GRADE ELEV.: -	COMPLETION DATE:10/03/24
BENCHMARK:-		PAGE 1 OF 1

Depth (m) Water Level	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: NUMBER	SAMPLE TYPE	"N" VALUE	RECOVERY %	SAMPLE NAME / LAB ANALYSES	● ORGANIC VAPOUR CONCENTRATION (ppmv) ▲COMBUSTIBLE VAPOUR CONCENTRATION (ppmv) 100 200 300 400	■ COMBUSTIBLE VAPOUR CONCENTRATION (% LEL) 20 40 60 80	COMMENTS AND MONITORING WELL NOTES	MONITORING WELL	Depth (ft) Water Level
	TOPSOIL - brown, sandy, damp											
	CLAY - brown to grey, silty, moist						TP3-1.0/BTEX, PHC F1-F4					
4	END OF TESTPIT AT 4.0m											13

LOGGED BY: AL	EQUIPMENT: Excavator	DAYLIGHTING: No
REVIEWED BY: SW	METHOD: Excavator	WELL DIAMETER: n/a
DRAFTED BY: AD	GAS METER TYPE: RKI Eagle 2	BOREHOLE DIAMETER: -

BlueFrog Environmental Consulting Inc.

TESTPIT LOG

PROJECT:Supplemental Phase II Environmental Site Assessment	REF. NO.:0138-001.03	**TESTPIT NO: TP4**
LOCATION:1310 South Service Road, Stoney Creek, Ontario	TPC ELEV.:-	START DATE:10/03/24
CLIENT: Jennum Properties Inc.	GRADE ELEV.: -	COMPLETION DATE:10/03/24
BENCHMARK:-		PAGE 1 OF 1

Depth (m) Water Level	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: NUMBER	SAMPLE TYPE	"N" VALUE	RECOVERY %	SAMPLE NAME / LAB ANALYSES	● ORGANIC VAPOUR CONCENTRATION (ppmv) ▲COMBUSTIBLE VAPOUR CONCENTRATION (ppmv) 100 200 300 400	■ COMBUSTIBLE VAPOUR CONCENTRATION (% LEL) 20 40 60 80	COMMENTS AND MONITORING WELL NOTES	MONITORING WELL	Depth (ft) Water Level
	GRAVEL (Fill) - grey, sandy, damp											1
	CLAY - brown to grey, silty, moist								3			2
1								137				3
												4
												5
									1			6
	- petroleum-like odour at 2.0mbgs											
2	END OF TESTPIT AT 2.0m							49				

BlueFrog Environmental Consulting Inc.

LOGGED BY: AL	EQUIPMENT: Excavator	DAYLIGHTING: No
REVIEWED BY: SW	METHOD: Excavator	WELL DIAMETER: n/a
DRAFTED BY: AD	GAS METER TYPE: RKI Eagle 2	BOREHOLE DIAMETER: -

TESTPIT LOG

PROJECT:Supplemental Phase II Environmental Site Assessment	REF. NO.:0138-001.03	**TESTPIT NO: TP5**
LOCATION:1310 South Service Road, Stoney Creek, Ontario	TPC ELEV.:-	START DATE:10/03/24
CLIENT: Jennum Properties Inc.	GRADE ELEV.: -	COMPLETION DATE:10/03/24
BENCHMARK:-		PAGE 1 OF 1

Depth (m) Water Level	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: NUMBER	SAMPLE TYPE	"N" VALUE	RECOVERY %	SAMPLE NAME / LAB ANALYSES	● ORGANIC VAPOUR CONCENTRATION (ppmv) ▲COMBUSTIBLE VAPOUR CONCENTRATION (ppmv) 100 200 300 400	■ COMBUSTIBLE VAPOUR CONCENTRATION (% LEL) 20 40 60 80	COMMENTS AND MONITORING WELL NOTES	MONITORING WELL	Depth (ft) Water Level
	TOPSOIL - brown, sandy, moist											
	CLAY - brown to grey, silty, moist								10			
1								230				
									32			
	- petroleum-like odour at 2mbgs											
2								235				
	END OF TESTPIT AT 2.0m											

BlueFrog Environmental Consulting Inc.

LOGGED BY: AL	EQUIPMENT: Excavator	DAYLIGHTING: No
REVIEWED BY: SW	METHOD: Excavator	WELL DIAMETER: n/a
DRAFTED BY: AD	GAS METER TYPE: RKI Eagle 2	BOREHOLE DIAMETER: -

TESTPIT LOG

PROJECT:Supplemental Phase II Environmental Site Assessment	REF. NO.:0138-001.03	**TESTPIT NO: TP6**
LOCATION:1310 South Service Road, Stoney Creek, Ontario	TPC ELEV.:-	START DATE:10/03/24
CLIENT: Jennum Properties Inc.	GRADE ELEV.: -	COMPLETION DATE:10/03/24
BENCHMARK:-		PAGE 1 OF 1

Depth (m) Water Level	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: NUMBER	SAMPLE TYPE	"N" VALUE	RECOVERY %	SAMPLE NAME / LAB ANALYSES	ORGANIC VAPOUR CONCENTRATION (ppmv) ▲COMBUSTIBLE VAPOUR CONCENTRATION (ppmv) 100 200 300 400	■COMBUSTIBLE VAPOUR CONCENTRATION (% LEL) 20 40 60 80	COMMENTS AND MONITORING WELL NOTES	MONITORING WELL	Depth (ft) Water Level
	TOPSOIL - brown, sandy, moist											
	CLAY (Fill) - grey, with asphalt and bricks, damp							ND ND ND ND ND ND				
1												1
												2
												3
2												4
												5
												6
												7
												8
												9
3							TP6-3.0/BTEX, PHC F1-F4					10
												11
												12
												13
4												14
	END OF TESTPIT AT 4.5m											

BlueFrog Environmental Consulting Inc.

LOGGED BY: AL	EQUIPMENT: Excavator	DAYLIGHTING: No
REVIEWED BY: SW	METHOD: Excavator	WELL DIAMETER: n/a
DRAFTED BY: AD	GAS METER TYPE: RKI Eagle 2	BOREHOLE DIAMETER: -

TESTPIT LOG

PROJECT:Supplemental Phase II Environmental Site Assessment	REF. NO.:0138-001.03	**TESTPIT NO: TP7**
LOCATION:1310 South Service Road, Stoney Creek, Ontario	TPC ELEV.:-	START DATE:10/03/24
CLIENT: Jennum Properties Inc.	GRADE ELEV.: -	COMPLETION DATE:10/03/24
BENCHMARK:-		PAGE 1 OF 1

Depth (m) Water Level	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: NUMBER	SAMPLE TYPE	"N" VALUE	RECOVERY %	SAMPLE NAME / LAB ANALYSES	ORGANIC VAPOUR CONCENTRATION (ppmv) ▲COMBUSTIBLE VAPOUR CONCENTRATION (ppmv) 100 200 300 400	■COMBUSTIBLE VAPOUR CONCENTRATION (% LEL) 20 40 60 80	COMMENTS AND MONITORING WELL NOTES	MONITORING WELL	Depth (ft) Water Level
0	TOPSOIL - brown, damp											0
	CLAY - brown to grey, silty, moist							ND ND ND ND ND				1 2 3 4 5 6 7 8 9 10 11 12 13
1												
2												
3							TP7-3.0/BTEX, PHC F1-F4, PAHs, Metals					
4	END OF TESTPIT AT 4.0m											

LOGGED BY: AL	EQUIPMENT: Excavator	DAYLIGHTING: No
REVIEWED BY: SW	METHOD: Excavator	WELL DIAMETER: n/a
DRAFTED BY: AD	GAS METER TYPE: RKI Eagle 2	BOREHOLE DIAMETER: -

BlueFrog Environmental Consulting Inc.

TESTPIT LOG

PROJECT:Supplemental Phase II Environmental Site Assessment	REF. NO.:0138-001.03	**TESTPIT NO: TP9**
LOCATION:1310 South Service Road, Stoney Creek, Ontario	TPC ELEV.:-	START DATE:10/03/24
CLIENT: Jennum Properties Inc.	GRADE ELEV.: -	COMPLETION DATE:10/03/24
BENCHMARK:-		PAGE 1 OF 1

Depth (m) Water Level	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: NUMBER	SAMPLE TYPE	"N" VALUE	RECOVERY %	SAMPLE NAME / LAB ANALYSES	ORGANIC VAPOUR CONCENTRATION (ppmv) ▲COMBUSTIBLE VAPOUR CONCENTRATION (ppmv) 100 200 300 400	■COMBUSTIBLE VAPOUR CONCENTRATION (% LEL) 20 40 60 80	COMMENTS AND MONITORING WELL NOTES	MONITORING WELL	Depth (ft) Water Level
	GRAVEL (Fill) - brown, sandy, damp											1
	CLAY - brown to grey, silty, moist							▲36				2
1							TP9-1.0/BTEX, PHC F1-F4, PAHs, Metals	ND				3
												4
												5
								▲5				6
2	END OF TESTPIT AT 2.0m							ND				

BlueFrog Environmental Consulting Inc.

LOGGED BY: AL	EQUIPMENT: Excavator	DAYLIGHTING: No
REVIEWED BY: SW	METHOD: Excavator	WELL DIAMETER: n/a
DRAFTED BY: AD	GAS METER TYPE: RKI Eagle 2	BOREHOLE DIAMETER: -

TESTPIT LOG

PROJECT:Supplemental Phase II Environmental Site Assessment	REF. NO.:0138-001.03	**TESTPIT NO: TP10**
LOCATION:1310 South Service Road, Stoney Creek, Ontario	TPC ELEV.:-	START DATE:10/03/24
CLIENT: Jennum Properties Inc.	GRADE ELEV.: -	COMPLETION DATE:10/03/24
BENCHMARK:-		PAGE 1 OF 1

Depth (m) Water Level	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: NUMBER	SAMPLE TYPE	"N" VALUE	RECOVERY %	SAMPLE NAME / LAB ANALYSES	ORGANIC VAPOUR CONCENTRATION (ppmv) ▲COMBUSTIBLE VAPOUR CONCENTRATION (ppmv) 100 200 300 400	■COMBUSTIBLE VAPOUR CONCENTRATION (% LEL) 20 40 60 80	COMMENTS AND MONITORING WELL NOTES	MONITORING WELL	Depth (ft) Water Level
	TOPSOIL - brown, sandy, damp											
	CLAY - brown to grey, silty, moist							▲13				
1								ND				1
												2
												3
												4
												5
									■1			6
2							TP10-2.0/BTEX, PHC F1-F4, PAHs, Metals	83				7
												8
												9
								▲12				
3								ND				10
												11
												12
								▲ND				
4	END OF TESTPIT AT 4.0m							ND				13

LOGGED BY: AL	EQUIPMENT: Excavator	DAYLIGHTING: No
REVIEWED BY: SW	METHOD: Excavator	WELL DIAMETER: n/a
DRAFTED BY: AD	GAS METER TYPE: RKI Eagle 2	BOREHOLE DIAMETER: -

BlueFrog Environmental Consulting Inc.

TESTPIT LOG

PROJECT:Supplemental Phase II Environmental Site Assessment	REF. NO.:0138-001.03	**TESTPIT NO: TP11**
LOCATION:1310 South Service Road, Stoney Creek, Ontario	TPC ELEV.:-	START DATE:10/03/24
CLIENT: Jennum Properties Inc.	GRADE ELEV.: -	COMPLETION DATE:10/03/24
BENCHMARK:-		PAGE 1 OF 1

Depth (m) Water Level	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: NUMBER	SAMPLE TYPE	"N" VALUE	RECOVERY %	SAMPLE NAME / LAB ANALYSES	ORGANIC VAPOUR CONCENTRATION (ppmv) ▲COMBUSTIBLE VAPOUR CONCENTRATION (ppmv) 100 200 300 400	■COMBUSTIBLE VAPOUR CONCENTRATION (% LEL) 20 40 60 80	COMMENTS AND MONITORING WELL NOTES	MONITORING WELL	Depth (ft) Water Level
	GRAVEL (Fill) - grey, sandy, damp											
	CLAY - brown to grey, silty, moist							▲4 ND				
1												1
												2
												3
												4
								▲1 ND				5
2							TP11-2.0/BTEX, PHC F1-F4, PAHs, Metals					6
												7
												8
								▲1 ND				9
3												10
												11
												12
								▲1 ND				13
4	END OF TESTPIT AT 4.0m											

BlueFrog Environmental Consulting Inc.

LOGGED BY: AL	EQUIPMENT: Excavator	DAYLIGHTING: No
REVIEWED BY: SW	METHOD: Excavator	WELL DIAMETER: n/a
DRAFTED BY: AD	GAS METER TYPE: RKI Eagle 2	BOREHOLE DIAMETER: -

Appendix B
Waste Manifest

MANIFEST

Movement Document

DO NOT SIGN OR MAIL THIS DOCUMENT TO ONTARIO'S MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS.

This document is a paper copy of information submitted to Ontario's Hazardous Waste Program Registry. All parties on the manifest are required to submit information to the Registry as required by R.R.O. 1990, Reg. 347.

Manifest Number
MN-000554792

A Generator/Consignor

Registration Number: ON001070274

Company Name: Forum Winona Inc.

Mailing Address: 3027 Harvester Rd, 202, Burlington, Ontario L7N 3G7 Canada

Email: brian@forumproperties.com

Generating Site Address: 1310 South Service Road, Hamilton, Ontario L8E 5C5 Canada

Phone: 2899802828 ext.

Generator Signature: **SIGNED** Sep 30, 2024 02:01 PM

Name: Darryl carter

Phone: (905)971-0095

B Carrier

Registration Number: 9714-9GBRR5

Company Name: HYDRO EXCAVATING SERVICES LTD.

Mailing Address: 14 CARDICO DRIVE, UNIT 5, WHITCHURCH-STOUFFVILLE, Ontario, L4A2G5

Email: hydroex@bellnet.ca

Phone: 9058982800 ext.

Vehicle Information (Trailer / Rail Car)

(1) Registration Number: AK42872 — Province/State: Ontario

(2) Registration Number: — Province/State:

Carrier Signature: **SIGNED** Sep 30, 2024 01:59 PM

Name: Rick Addy

Phone: (905)898-2800

C Receiver/Consignee

FINAL

Registration Number: 2274-7UTMFL

Company Name: GFL ENVIRONMENTAL SERVICES INC.

Mailing Address: 36 & 40 Advance Boulevard, Brampton, Ontario, L6T 4J4

Email: sdrouillard@gflenv.com

Receiving Site Address: 36 & 40 ADVANCE BLVD. BRAMPTON, Ontario L6T4J4 Canada

Phone: 9057921869 ext.

Receiver Signature: **SIGNED** Sep 30, 2024 03:46 PM

Name: Melissa-Jayne Snow

Phone:

Shipment Details

Shipment Date: Sep 30 2024 (Anticipated)

Scheduled Arrival Date: Sep 30 2024

24-HOUR NUMBER: ext

Special Handling: None Specified

Additional TDG Information

Additional information

Waste Information

Waste Number	DG	UN Number	Shipping Name	Class (Sub. Class)	Packing Group	Toxic by Inhalation	Quantity Shipped	Number of Packages	Packaging Code	Physical State	Quantity Received	Comments	Handling Code	Accepted/ Refused
(1) 221 L			Waste water		III		16500.000 L	1	02 - Tank	Liquid	16500.000 L		03 - Chemical Treatment	ACCEPTED

I certify that the information contained in Part A is correct and complete. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Darryl carter
Shipper's name (Print)

Manifest Status
Completed

MANIFEST

Movement Document

DO NOT SIGN OR MAIL THIS DOCUMENT TO ONTARIO'S MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS.

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Manifest Number
MN-000554821

A Generator/Consignor

Registration Number: ON001070274

Company Name
Forum Winona Inc.

Mailing Address
3027 Harvester Rd, 202, Burlington, Ontario
L7N 3G7 Canada

Email
brian@forumproperties.com

Generating Site Address
1310 South Service Road, Hamilton, Ontario
L8E 5C5 Canada

Phone
2899802828 ext.

Generator Signature
SIGNED
Sep 30, 2024 02:06 PM

Name
Darryl carter

Phone
(905)971-0095

B Carrier

Registration Number: 9714-9GBRR5

Company Name
HYDRO EXCAVATING SERVICES LTD.

Mailing Address
14 CARDICO DRIVE, UNIT 5,
WHITCHURCH-STOUFFVILLE, Ontario,
L4A2G5

Email
hydroex@bellnet.ca

Phone
9058982800 ext.

Vehicle Information (Trailer / Rail Car)

(1) Registration Number
AT49027

Province/State
Ontario

(2) Registration Number

Province/State

Carrier Signature
SIGNED
Sep 30, 2024 02:04 PM

Name
John Vlasic

Phone
(905)898-2800

C Receiver/Consignee

FINAL

Registration Number: 2274-7UTMPL

Company Name
GFL ENVIRONMENTAL SERVICES INC.

Mailing Address
36 & 40 Advance Boulevard, Brampton,
Ontario, L6T 4J4

Email
sdrouillard@gflenv.com

Receiving Site Address
36 & 40 ADVANCE BLVD.
BRAMPTON, Ontario
L6T4J4 Canada

Phone
9057921869 ext.

Receiver Signature
SIGNED
Oct 01, 2024 06:42 AM

Name
Cecilia Viera

Phone
(905)792-1869

Shipment Details

Shipment Date
Sep 30 2024 (Anticipated)

Scheduled Arrival Date
Sep 30 2024

24-HOUR NUMBER
18002686060 ext

Special Handling
Accompanies Shipment

Additional TDG Information

Additional information

Waste Information

Waste Number	DG	UN Number	Shipping Name	Class (Sub. Class)	Packing Group	Toxic by Inhalation	Quantity Shipped	Number of Packages	Packaging Code	Physical State	Quantity Received	Comments	Handling Code	Accepted/ Refused
(1) 221 L			Waste water		III		13655.000 L	1	02 - Tank	Liquid	13655.000 L		03 - Chemical Treatment	ACCEPTED

I certify that the information contained in Part A is correct and complete. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Darryl carter
Shipper's name (Print)

Manifest Status
Completed

MANIFEST

Movement Document

DO NOT SIGN OR MAIL THIS DOCUMENT TO ONTARIO'S MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS.

This document is a paper copy of information submitted to Ontario's Hazardous Waste Program Registry. All parties on the manifest are required to submit information to the Registry as required by R.R.O. 1990, Reg. 347.

Manifest Number
MN-000554916

A Generator/Consignor

Registration Number: ON001070274

Company Name: Forum Winona Inc.

Mailing Address: 3027 Harvester Rd, 202, Burlington, Ontario L7N 3G7 Canada

Email: brian@forumproperties.com

Generating Site Address: 1310 South Service Road, Hamilton, Ontario L8E 5C5 Canada

Phone: 2899802828 ext.

Generator Signature: **SIGNED** Sep 30, 2024 02:55 PM

Name: Darryl carter

Phone: (905)971-0095

B Carrier

Registration Number: 9714-9GBRR5

Company Name: HYDRO EXCAVATING SERVICES LTD.

Mailing Address: 14 CARDICO DRIVE, UNIT 5, WHITCHURCH-STOUFFVILLE, Ontario, L4A2G5

Email: hydroex@bellnet.ca

Phone: 9058982800 ext.

Vehicle Information (Trailer / Rail Car)

(1) Registration Number: AK42871 — Province/State: Ontario

(2) Registration Number — Province/State

Carrier Signature: **SIGNED** Sep 30, 2024 02:54 PM

Name: James Reynolds

Phone: (905)898-2800

C Receiver/Consignee

FINAL

Registration Number: 2274-7UTMPL

Company Name: GFL ENVIRONMENTAL SERVICES INC.

Mailing Address: 36 & 40 Advance Boulevard, Brampton, Ontario, L6T 4J4

Email: sdrouillard@gflenv.com

Receiving Site Address: 36 & 40 ADVANCE BLVD. BRAMPTON, Ontario L6T4J4 Canada

Phone: 9057921869 ext.

Receiver Signature: **SIGNED** Oct 01, 2024 06:50 AM

Name: Cecilia Viera

Phone: (905)792-1869

Shipment Details

Shipment Date: Sep 30 2024 (Anticipated)

Scheduled Arrival Date: Sep 30 2024

Special Handling: Accompanies Shipment

24-HOUR NUMBER: 18002686060 ext

Additional TDG Information

Additional information

Waste Information

Waste Number	DG	UN Number	Shipping Name	Class (Sub. Class)	Packing Group	Toxic by Inhalation	Quantity Shipped	Number of Packages	Packaging Code	Physical State	Quantity Received	Comments	Handling Code	Accepted/ Refused
(1) **221 L**			**Waste water**		**III**		**16500.000 L**	**2**		**Liquid**	**16500.000 L**		**03 - Chemical Treatment**	**ACCEPTED**

I certify that the information contained in Part A is correct and complete. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Darryl carter

Shipper's name (Print)

Manifest Status

Completed

MANIFEST

Movement Document

DO NOT SIGN OR MAIL THIS DOCUMENT TO ONTARIO'S MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS.

This document is a paper copy of information submitted to Ontario's Hazardous Waste Program Registry. All parties on the manifest are required to submit information to the Registry as required by R.R.O. 1990, Reg. 347.

Manifest Number
MN-000555184

A Generator/Consignor

Registration Number: ON001070274

Company Name: Forum Winona Inc.

Mailing Address: 3027 Harvester Rd, 202, Burlington, Ontario L7N 3G7 Canada

Email: brian@forumproperties.com

Phone: 2899802828 ext.

Generating Site Address: 1310 South Service Road, Hamilton, Ontario L8E 5C5 Canada

Generator Signature: SIGNED
Oct 01, 2024 09:08 AM

Name: Darryl carter

Phone: (905)971-0095

B Carrier

Registration Number: 9714-9GBRR5

Company Name: HYDRO EXCAVATING SERVICES LTD.

Mailing Address: 14 CARDICO DRIVE, UNIT 5, WHITCHURCH-STOUFFVILLE, Ontario, L4A2G5

Email: hydroex@bellnet.ca

Phone: 9058982800 ext.

Vehicle Information (Trailer / Rail Car)

(1) Registration Number: AK42871 — Province/State: Ontario

(2) Registration Number — Province/State

Carrier Signature: SIGNED
Oct 01, 2024 09:07 AM

Name: James Reynolds

Phone: (905)898-2800

C Receiver/Consignee

FINAL

Registration Number: 2274-7UTMFL

Company Name: GFL ENVIRONMENTAL SERVICES INC.

Mailing Address: 36 & 40 Advance Boulevard, Brampton, Ontario, L6T 4J4

Email: sdrouillard@gflenv.com

Phone: 9057921869 ext.

Receiving Site Address: 36 & 40 ADVANCE BLVD. BRAMPTON, Ontario L6T4J4 Canada

Receiver Signature: SIGNED
Oct 01, 2024 10:57 AM

Name: Cecilia Viera

Phone: (905)792-1869

Shipment Details

Shipment Date: Oct 01 2024 (Anticipated)

Scheduled Arrival Date: Oct 01 2024

24-HOUR NUMBER: ext

Special Handling: None Specified

Additional TDG Information

Additional information

Waste Information

Waste Number	DG	UN Number	Shipping Name	Class (Sub. Class)	Packing Group	Toxic by Inhalation	Quantity Shipped	Number of Packages	Packaging Code	Physical State	Quantity Received	Comments	Handling Code	Accepted/ Refused
(1) 221 L			Waste water				16500.000 L			Liquid	16500.000 L		03 - Chemical Treatment	ACCEPTED

I certify that the information contained in Part A is correct and complete. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Darryl carter
Shipper's name (Print)

Manifest Status
Completed

MANIFEST

Movement Document

DO NOT SIGN OR MAIL THIS DOCUMENT TO ONTARIO'S MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS.

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Manifest Number
MN-000555584

A Generator/Consignor

Registration Number: ON001070274

Company Name: Forum Winona Inc.

Mailing Address: 3027 Harvester Rd, 202, Burlington, Ontario L7N 3G7 Canada

Email: brian@forumproperties.com

Phone: 2899802828 ext.

Generating Site Address: 1310 South Service Road, Hamilton, Ontario L8E 5C5 Canada

Generator Signature: **SIGNED** Oct 01, 2024 11:23 AM

Name: Darryl carter

Phone: (905)971-0095

B Carrier

Registration Number: 9714-9GBRR5

Company Name: HYDRO EXCAVATING SERVICES LTD.

Mailing Address: 14 CARDICO DRIVE, UNIT 5, WHITCHURCH-STOUFFVILLE, Ontario, L4A2G5

Email: hydroex@bellnet.ca

Phone: 9058982800 ext.

Vehicle Information (Trailer / Rail Car)

(1) Registration Number: Aj14807 — Province/State: Ontario

(2) Registration Number: — Province/State:

Carrier Signature: **SIGNED** Oct 01, 2024 11:22 AM

Name: Darron Vlasic

Phone: (905)898-2800

C Receiver/Consignee

FINAL

Registration Number: 2274-7UTMPL

Company Name: GFL ENVIRONMENTAL SERVICES INC.

Mailing Address: 36 & 40 Advance Boulevard, Brampton, Ontario, L6T 4J4

Email: sdrouillard@gflenv.com

Receiving Site Address: 36 & 40 ADVANCE BLVD. BRAMPTON, Ontario L6T4J4 Canada

Phone: 9057921869 ext.

Receiver Signature: **SIGNED** Oct 01, 2024 01:50 PM

Name: Melissa-Jayne Snow

Phone:

Shipment Details

Shipment Date: Oct 01 2024 (Anticipated)

Scheduled Arrival Date: Oct 01 2024

24-HOUR NUMBER: 18002686060 ext

Special Handling: None Specified

Additional TDG Information

Additional information

Waste Information

Waste Number	DG	UN Number	Shipping Name	Class (Sub. Class)	Packing Group	Toxic by Inhalation	Quantity Shipped	Number of Packages	Packaging Code	Physical State	Quantity Received	Comments	Handling Code	Accepted/ Refused
(1) 221 L			**Oily water**		**III**		**9490.000 L**	**1**	**03 - Bulk**	**Liquid**	**9490.000 L**		**03 - Chemical Treatment**	**ACCEPTED**

I certify that the information contained in Part A is correct and complete. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Darryl carter

Shipper's name (Print)

Manifest Status: **Completed**

MANIFEST

Movement Document

DO NOT SIGN OR MAIL THIS DOCUMENT TO ONTARIO'S MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS.

This document is a paper copy of information submitted to Ontario's Hazardous Waste Program Registry. All parties on the manifest are required to submit information to the Registry as required by R.R.O. 1990, Reg. 347.

Manifest Number
MN-000555633

A Generator/Consignor

Registration Number: ON001070274

Company Name
Forum Winona Inc.

Mailing Address
3027 Harvester Rd, 202, Burlington, Ontario
L7N 3G7 Canada

Email
brian@forumproperties.com

Generating Site Address
13 10 South Service Road, Hamilton, Ontario
L8E 5C5 Canada

Phone
2899802828 ext.

Generator Signature
SIGNED
Oct 01, 2024 11:46 AM

Name
Darryl carter

Phone
(905)971-0095

B Carrier

Registration Number: 9714-9GBRR5

Company Name
HYDRO EXCAVATING SERVICES LTD.

Mailing Address
14 CARDICO DRIVE, UNIT 5,
WHITCHURCH-STOUFFVILLE, Ontario,
L4A2G5

Email
hydroex@bellnet.ca

Phone
9058982800 ext.

Vehicle Information (Trailer / Rail Car)

(1) Registration Number
AK42872

Province/State
Ontario

(2) Registration Number

Province/State

Carrier Signature
SIGNED
Oct 01, 2024 11:44 AM

Name
Rick Addy

Phone
(905)898-2800

C Receiver/Consignee

FINAL

Registration Number: 2274-7UTMPL

Company Name
GFL ENVIRONMENTAL SERVICES INC.

Mailing Address
36 & 40 Advance Boulevard, Brampton,
Ontario, L6T 4J4

Email
sdrouillard@gflenv.com

Receiving Site Adcress
36 & 40 ADVANCE BLVD.
BRAMPTON, Ontario
L6T4J4 Canada

Phone
9057921869 ext.

Receiver Signature
SIGNED
Oct 01, 2024 02:37 PM

Name
Melissa-Jayne Snow

Phone

Shipment Details

Shipment Date
Oct 01 2024 (Anticipated)

Scheduled Arrival Date
Oct 01 2024

24-HOUR NUMBER
ext

Special Handling
None Specified

Additional TDG Information

Additional information

Waste Information

Waste Number	DG	UN Number	Shipping Name	Class (Sub. Class)	Packing Group	Toxic by Inhalation	Quantity Shipped	Number of Packages	Packaging Code	Physical State	Quantity Received	Comments	Handling Code	Accepted/ Refused
(1) 221 L			Waste water		III		16500.000 L	1	03 - Bulk	Liquid	16500.000 L		03 - Chemical Treatment	ACCEPTED

I certify that the information contained in Part A is correct and complete. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Darryl carter
Shipper's name (Print)

Manifest Status
Completed

MANIFEST

Movement Document

DO NOT SIGN OR MAIL THIS DOCUMENT TO ONTARIO'S MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS.

This document is a paper copy of information submitted to Ontario's Hazardous Waste Program Registry. All parties on the manifest are required to submit information to the Registry as required by R.R.O. 1990, Reg. 347.

Manifest Number
MN-000555636

A Generator/Consignor

Registration Number: ON001070274

Company Name: Forum Winona Inc.

Mailing Address: 3027 Harvester Rd, 202, Burlington, Ontario L7N 3G7 Canada

Email: brian@forumproperties.com

Generating Site Address: 1310 South Service Road, Hamilton, Ontario L8E 5C5 Canada

Phone: 2899802828 ext.

Generator Signature: **SIGNED** Oct 01, 2024 12:05 PM

Name: Darryl carter

Phone: (905)971-0095

B Carrier

Registration Number: 9714-9GBRR5

Company Name: HYDRO EXCAVATING SERVICES LTD.

Mailing Address: 14 CARDICO DRIVE, UNIT 5, WHITCHURCH-STOUFFVILLE, Ontario, L4A2G5

Email: hydroex@bellnet.ca

Phone: 9058982800 ext.

Vehicle Information (Trailer / Rail Car)

(1) Registration Number: AK42871 — Province/State: Ontario

(2) Registration Number — Province/State

Carrier Signature: **SIGNED** Oct 01, 2024 12:03 PM

Name: James Reynolds

Phone: (905)898-2800

C Receiver/Consignee

FINAL

Registration Number: 2274-7UTMPL

Company Name: GFL ENVIRONMENTAL SERVICES INC.

Mailing Address: 36 & 40 Advance Boulevard, Brampton, Ontario, L6T 4J4

Email: sdrouillard@gflenv.com

Receiving Site Address: 36 & 40 ADVANCE BLVD. BRAMPTON, Ontario L6T4J4 Canada

Phone: 9057921869 ext.

Receiver Signature: **SIGNED** Oct 01, 2024 03:19 PM

Name: Melissa-Jayne Snow

Phone

Shipment Details

Shipment Date: Oct 01 2024 (Anticipated)

Scheduled Arrival Date: Oct 01 2024

Special Handling: None Specified

24-HOUR NUMBER: ext

Additional TDG Information

Additional information

Waste Information

Waste Number	DG	UN Number	Shipping Name	Class (Sub. Class)	Packing Group	Toxic by Inhalation	Quantity Shipped	Number of Packages	Packaging Code	Physical State	Quantity Received	Comments	Handling Code	Accepted/ Refused
(1) **221 L**			**Waste water**				**16500.000 L**			**Liquid**	**16500.000 L**		**03 - Chemical Treatment**	**ACCEPTED**

I certify that the information contained in Part A is correct and complete. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Darryl carter
Shipper's name (Print)

Manifest Status
Completed

MANIFEST

Movement Document

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This document is a paper copy of information submitted to Ontario's Hazardous Waste Program Registry. All parties on the manifest are required to submit information to the Registry as required by R.R.O. 1990, Reg. 347.

Manifest Number
MN-000555851

A Generator/Consignor

Registration Number: ON001070274

Company Name
Forum Winona Inc.

Mailing Address
3027 Harvester Rd, 202, Burlington, Ontario
L7N 3G7 Canada

Email
brian@forumproperties.com

Phone
2899802828 ext.

Generating Site Address
1310 South Service Road, Hamilton, Ontario
L8E 5C5 Canada

B Carrier

Registration Number: 9714-9GBRR5

Company Name
HYDRO EXCAVATING SERVICES LTD.

Mailing Address
14 CARDICO DRIVE, UNIT 5,
WHITCHURCH-STOUFFVILLE, Ontario,
L4A2G5

Email
hydroex@bellnet.ca

Phone
9058982800 ext.

Vehicle Information (Trailer / Rail Car)

(1) Registration Number
At49027

Province/State
Ontario

(2) Registration Number

Province/State

C Receiver/Consignee

FINAL

Registration Number: 2274-7UTMPL

Company Name
GFL ENVIRONMENTAL SERVICES INC.

Mailing Address
36 & 40 Advance Boulevard, Brampton,
Ontario, L6T 4J4

Email
sdrouillard@gflenv.com

Receiving Site Address
36 & 40 ADVANCE BLVD.
BRAMPTON, Ontario
L6T4J4 Canada

Phone
9057921869 ext.

Generator Signature	Name	Carrier Signature	Name	Receiver Signature	Name
SIGNED	Darryl carter	**SIGNED**	John Vlasic	**SIGNED**	Melissa-Jayne Snow
Oct 01, 2024 01:10 PM	Phone (905)971-0095	**Oct 01, 2024 01:08 PM**	Phone (905)898-2800	**Oct 01, 2024 03:44 PM**	Phone

Shipment Details

Shipment Date
Oct 01 2024 (Anticipated)

Scheduled Arrival Date
Oct 01 2024

24-HOUR NUMBER
18002686060 ext

Special Handling
None Specified

Additional TDG Information

Additional information

Waste Information

Waste Number	DG	UN Number	Shipping Name	Class (Sub. Class)	Packing Group	Toxic by Inhalation	Quantity Shipped	Number of Packages	Packaging Code	Physical State	Quantity Received	Comments	Handling Code	Accepted/ Refused
(1) 221 L			Waste water		III		16200.000 L	1	03 - Bulk	Liquid	13180.000 L		03 - Chemical Treatment	ACCEPTED

I certify that the information contained in Part A is correct and complete. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Darryl carter
Shipper's name (Print)

Manifest Status
Completed

MANIFEST

Movement Document

DO NOT SIGN OR MAIL THIS DOCUMENT TO ONTARIO'S MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS.

This document is a paper copy of information submitted to Ontario's Hazardous Waste Program Registry. All parties on the manifest are required to submit information to the Registry as required by R.R.O. 1990, Reg. 347.

Manifest Number
MN-000556454

A Generator/Consignor

Registration Number: ON001070274

Company Name: Forum Winona Inc.

Mailing Address: 3027 Harvester Rd, 202, Burlington, Ontario L7N 3G7 Canada

Email: brian@forumproperties.com

Phone: 2899802828 ext.

Generating Site Address: 1310 South Service Road, Hamilton, Ontario L8E 5C5 Canada

Generator Signature: SIGNED
Oct 02, 2024 11:07 AM

Name: Clay donnelly

Phone: (905)971-9475

B Carrier

Registration Number: 9714-9GBRR5

Company Name: HYDRO EXCAVATING SERVICES LTD.

Mailing Address: 14 CARDICO DRIVE, UNIT 5, WHITCHURCH-STOUFFVILLE, Ontario, L4A2G5

Email: hydroex@bellnet.ca

Phone: 9058982800 ext.

Vehicle Information (Trailer / Rail Car)

(1) Registration Number: AK 42872

Province/State: Ontario

(2) Registration Number:

Province/State:

Carrier Signature: SIGNED
Oct 02, 2024 11:06 AM

Name: Rick Addy

Phone: (905)898-2800

C Receiver/Consignee

FINAL

Registration Number: 2274-7UTMPL

Company Name: GFL ENVIRONMENTAL SERVICES INC.

Mailing Address: 36 & 40 Advance Boulevard, Brampton Ontario, L6T 4J4

Email: sdrouillard@gflenv.com

Phone: 9057921869 ext.

Receiving Site Address: 36 & 40 ADVANCE BLVD. BRAMPTON, Ontario L6T4J4 Canada

Receiver Signature: SIGNED
Oct 02, 2024 01:48 PM

Name: Cecilia Viera

Phone: (905)792-1869

Shipment Details

Shipment Date: Oct 02 2024 (Anticipated)

Scheduled Arrival Date: Oct 02 2024

24-HOUR NUMBER
ext

Special Handling: None Specified

Additional TDG Information

Additional Information

Waste Information

Waste Number	DG	UN Number	Shipping Name	Class (Sub. Class)	Packing Group	Toxic by Inhalation	Quantity Shipped	Number of Packages	Packaging Code	Physical State	Quantity Received	Comments	Handling Code	Accepted/ Refused
(1) 221 L			Waste water		III		16500.000 L	1	03 - Bulk	Liquid	16500.000 L		03 - Chemical Treatment	ACCEPTED

I certify that the information contained in Part A is correct and complete. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Clay donnelly
Shipper's name (Print)

Manifest Status
Completed

MANIFEST

Movement Document

DO NOT SIGN OR MAIL THIS DOCUMENT TO ONTARIO'S MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS.

This document is a paper copy of information submitted to Ontario's Hazardous Waste Program Registry. All parties on the manifest are required to submit information to the Registry as required by R.R.O. 1990, Reg. 347.

Manifest Number
MN-000557317

A Generator/Consignor

Registration Number: ON001070274

Company Name: Forum Winona Inc.

Mailing Address: 3027 Harvester Rd, 202, Burlington, Ontario L7N 3G7 Canada

Email: brian@forumproperties.com

Phone: 2899802828 ext.

Generating Site Address: 1310 South Service Road, Hamilton, Ontario L8E 5C5 Canada

Generator Signature: **SIGNED** Oct 02, 2024 03:11 PM

Name: Clay donnelly

Phone: (905)971-9475

B Carrier

Registration Number: 9714-9GBRR5

Company Name: HYDRO EXCAVATING SERVICES LTD.

Mailing Address: 14 CARDICO DRIVE, UNIT 5, WHITCHURCH-STOUFFVILLE, Ontario, L4A2G5

Email: hydroex@bellnet.ca

Phone: 9058982800 ext.

Vehicle Information (Trailer / Rail Car)

(1) Registration Number: AK 42871 — Province/State: Ontario

(2) Registration Number: — Province/State:

Carrier Signature: **SIGNED** Oct 02, 2024 03:10 PM

Name: James Reynolds

Phone: (905)898-2800

C Receiver/Consignee

FINAL

Registration Number: 2274-7UTMPL

Company Name: GFL ENVIRONMENTAL SERVICES INC.

Mailing Address: 36 & 40 Advance Boulevard, Brampton, Ontario, L6T 4J4

Email: sdrouillard@gflenv.com

Receiving Site Address: 36 & 40 ADVANCE BLVD. BRAMPTON, Ontario L6T4J4 Canada

Phone: 9057921869 ext.

Receiver Signature: **SIGNED** Oct 03, 2024 06:23 AM

Name: Cecilia Viera

Phone: (905)792-1869

Shipment Details

Shipment Date: Oct 02 2024 (Anticipated)

Scheduled Arrival Date: Oct 02 2024

24-HOUR NUMBER: ext

Special Handling: None Specified

Additional TDG Information

Additional information

Waste Information

Waste Number	DG	UN Number	Shipping Name	Class (Sub. Class)	Packing Group	Toxic by Inhalation	Quantity Shipped	Number of Packages	Packaging Code	Physical State	Quantity Received	Comments	Handling Code	Accepted/ Refused
(1) 221 L			Waste water		III		16500.000 L	1	03 - Bulk	Liquid	16500.000 L		08 - Solidification	ACCEPTED

I certify that the information contained in Part A is correct and complete. I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Clay donnelly
Shipper's name (Print)

Manifest Status
Completed

Appendix C
Laboratory Certificates of Analysis

Your P.O. #: 0138-001.03
Your Project #: 0138-001.03
Site Location: 1310 SOUTH SERVICE ROAD
Your C.O.C. #: N/A

Attention: Steven Wong

BLUEFROG ENVIRONMENTAL CONSULTING INC.
SUITE 100-208 WYECROFT ROAD
OAKVILLE, ON
CANADA L6K 3T8

Report Date: 2024/10/11
Report #: R8358918
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4V1243
Received: 2024/10/03, 15:15

Sample Matrix: Soil
Samples Received: 8

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum	3	N/A	2024/10/10	CAM SOP-00301	EPA 8270D m
Methylnaphthalene Sum	1	N/A	2024/10/11	CAM SOP-00301	EPA 8270D m
Petroleum Hydro. CCME F1 & BTEX in Soil (1)	8	N/A	2024/10/10	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (2)	3	2024/10/09	2024/10/10	CAM SOP-00316	CCME CWS m
Petroleum Hydrocarbons F2-F4 in Soil (2)	3	2024/10/09	2024/10/11	CAM SOP-00316	CCME CWS m
Petroleum Hydrocarbons F2-F4 in Soil (2)	2	2024/10/09	2024/10/09	CAM SOP-00316	CCME CWS m
Acid Extractable Metals by ICPMS	3	2024/10/10	2024/10/10	CAM SOP-00447	EPA 6020B m
Acid Extractable Metals by ICPMS	1	2024/10/09	2024/10/10	CAM SOP-00447	EPA 6020B m
Moisture	3	N/A	2024/10/05	CAM SOP-00445	Carter 2nd ed 70.2 m
Moisture	5	N/A	2024/10/07	CAM SOP-00445	Carter 2nd ed 70.2 m
PAH Compounds in Soil by GC/MS (SIM)	1	2024/10/09	2024/10/10	CAM SOP-00318	EPA 8270E
PAH Compounds in Soil by GC/MS (SIM)	3	2024/10/09	2024/10/09	CAM SOP-00318	EPA 8270E

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.

Your P.O. #: 0138-001.03
Your Project #: 0138-001.03
Site Location: 1310 SOUTH SERVICE ROAD
Your C.O.C. #: N/A

Attention: Steven Wong

BLUEFROG ENVIRONMENTAL CONSULTING INC.
SUITE 100-208 WYECROFT ROAD
OAKVILLE, ON
CANADA L6K 3T8

Report Date: 2024/10/11
Report #: R8358918
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4V1243

Received: 2024/10/03, 15:15

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

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

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

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Kudrat Bajwa, B.Sc., Project Manager
Email: Kudrat.Bajwa@bureauveritas.com
Phone# (905)817-5755

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Bureau Veritas Job #: C4V1243
Report Date: 2024/10/11

BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Site Location: 1310 SOUTH SERVICE ROAD
Your P.O. #: 0138-001.03
Sampler Initials: AL

O.REG 153 ICPMS METALS (SOIL)

Bureau Veritas ID		AEUS07		AEUS10	AEUS11	AEUS12		
Sampling Date		2024/10/03 13:08		2024/10/03 13:30	2024/10/03 13:40	2024/10/03 13:50		
COC Number		N/A		N/A	N/A	N/A		
	UNITS	TP9-1.0	QC Batch	TP10-2.0	TP11-2.0	TP7-3.0	RDL	QC Batch
Metals								
Acid Extractable Antimony (Sb)	ug/g	<0.20	9691985	<0.20	<0.20	<0.20	0.20	9693887
Acid Extractable Arsenic (As)	ug/g	4.4	9691985	4.5	4.6	5.9	1.0	9693887
Acid Extractable Barium (Ba)	ug/g	84	9691985	120	130	110	0.50	9693887
Acid Extractable Beryllium (Be)	ug/g	0.61	9691985	0.76	0.86	0.78	0.20	9693887
Acid Extractable Boron (B)	ug/g	7.8	9691985	7.9	7.2	8.6	5.0	9693887
Acid Extractable Cadmium (Cd)	ug/g	0.49	9691985	<0.10	0.10	0.10	0.10	9693887
Acid Extractable Chromium (Cr)	ug/g	20	9691985	23	25	23	1.0	9693887
Acid Extractable Cobalt (Co)	ug/g	10	9691985	13	13	14	0.10	9693887
Acid Extractable Copper (Cu)	ug/g	28	9691985	34	31	36	0.50	9693887
Acid Extractable Lead (Pb)	ug/g	50	9691985	13	14	13	1.0	9693887
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	9691985	<0.50	<0.50	<0.50	0.50	9693887
Acid Extractable Nickel (Ni)	ug/g	22	9691985	28	29	32	0.50	9693887
Acid Extractable Selenium (Se)	ug/g	<0.50	9691985	<0.50	<0.50	<0.50	0.50	9693887
Acid Extractable Silver (Ag)	ug/g	<0.20	9691985	<0.20	<0.20	<0.20	0.20	9693887
Acid Extractable Thallium (Tl)	ug/g	0.14	9691985	0.13	0.15	0.17	0.050	9693887
Acid Extractable Uranium (U)	ug/g	0.61	9691985	0.82	0.69	0.71	0.050	9693887
Acid Extractable Vanadium (V)	ug/g	30	9691985	32	38	32	5.0	9693887
Acid Extractable Zinc (Zn)	ug/g	170	9691985	70	67	73	5.0	9693887

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Site Location: 1310 SOUTH SERVICE ROAD
Your P.O. #: 0138-001.03
Sampler Initials: AL

O.REG 153 PAHS (SOIL)

Bureau Veritas ID		AEUS07			AEUS10		AEUS11	AEUS12		
Sampling Date		2024/10/03 13:08			2024/10/03 13:30		2024/10/03 13:40	2024/10/03 13:50		
COC Number		N/A			N/A		N/A	N/A		
	UNITS	TP9-1.0	RDL	QC Batch	TP10-2.0	RDL	TP11-2.0	TP7-3.0	RDL	QC Batch
Calculated Parameters										
Methylnaphthalene, 2-(1-)	ug/g	0.015	0.0071	9680914	0.021	0.0071	<0.0071	<0.0071	0.0071	9680914
Polyaromatic Hydrocarbons										
Acenaphthene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Acenaphthylene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Anthracene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Benzo(a)anthracene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Benzo(a)pyrene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Benzo(b/j)fluoranthene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Benzo(g,h,i)perylene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Benzo(k)fluoranthene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Chrysene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Dibenzo(a,h)anthracene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Fluoranthene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Fluorene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Indeno(1,2,3-cd)pyrene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
1-Methylnaphthalene	ug/g	0.015	0.0050	9691904	0.021	0.0050	<0.0050	<0.0050	0.0050	9690388
2-Methylnaphthalene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Naphthalene	ug/g	<0.0050	0.0050	9691904	<0.020 (1)	0.020	<0.0050	<0.0050	0.0050	9690388
Phenanthrene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Pyrene	ug/g	<0.0050	0.0050	9691904	<0.0050	0.0050	<0.0050	<0.0050	0.0050	9690388
Surrogate Recovery (%)										
D10-Anthracene	%	108		9691904	93		92	93		9690388
D14-Terphenyl (FS)	%	96		9691904	94		94	95		9690388
D8-Acenaphthylene	%	86		9691904	93		91	91		9690388

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Detection Limit was raised due to matrix interferences.

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

BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Site Location: 1310 SOUTH SERVICE ROAD
Your P.O. #: 0138-001.03
Sampler Initials: AL

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

Bureau Veritas ID		AEUS05		AEUS06			AEUS06		
Sampling Date		2024/10/03 12:50		2024/10/03 13:00			2024/10/03 13:00		
COC Number		N/A		N/A			N/A		
	UNITS	TP1-2.0	QC Batch	TP2-1.0	RDL	QC Batch	TP2-1.0 Lab-Dup	RDL	QC Batch
BTEX & F1 Hydrocarbons									
Benzene	ug/g	<0.020	9693659	<0.020	0.020	9693659	<0.020	0.020	9693659
Toluene	ug/g	<0.020	9693659	<0.020	0.020	9693659	<0.020	0.020	9693659
Ethylbenzene	ug/g	<0.020	9693659	<0.020	0.020	9693659	<0.020	0.020	9693659
o-Xylene	ug/g	<0.020	9693659	<0.020	0.020	9693659	<0.020	0.020	9693659
p+m-Xylene	ug/g	<0.040	9693659	<0.040	0.040	9693659	<0.040	0.040	9693659
Total Xylenes	ug/g	<0.040	9693659	<0.040	0.040	9693659	<0.040	0.040	9693659
F1 (C6-C10)	ug/g	<10	9693659	<10	10	9693659	<10	10	9693659
F1 (C6-C10) - BTEX	ug/g	<10	9693659	<10	10	9693659	<10	10	9693659
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	9691675	<7.0	7.0	9690387			
F3 (C16-C34 Hydrocarbons)	ug/g	<50	9691675	<50	50	9690387			
F4 (C34-C50 Hydrocarbons)	ug/g	<50	9691675	<50	50	9690387			
Reached Baseline at C50	ug/g	Yes	9691675	Yes		9690387			
Surrogate Recovery (%)									
1,4-Difluorobenzene	%	108	9693659	106		9693659	104		9693659
4-Bromofluorobenzene	%	91	9693659	92		9693659	86		9693659
D10-o-Xylene	%	106	9693659	115		9693659	113		9693659
D4-1,2-Dichloroethane	%	105	9693659	106		9693659	103		9693659
o-Terphenyl	%	90	9691675	93		9690387			

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

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Bureau Veritas Job #: C4V1243
Report Date: 2024/10/11

BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Site Location: 1310 SOUTH SERVICE ROAD
Your P.O. #: 0138-001.03
Sampler Initials: AL

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

Bureau Veritas ID		AEUS07	AEUS08		AEUS09	AEUS10	AEUS11	AEUS12		
Sampling Date		2024/10/03 13:08	2024/10/03 13:15		2024/10/03 13:25	2024/10/03 13:30	2024/10/03 13:40	2024/10/03 13:50		
COC Number		N/A	N/A		N/A	N/A	N/A	N/A		
	UNITS	TP9-1.0	TP3-1.0	QC Batch	TP6-3.0	TP10-2.0	TP11-2.0	TP7-3.0	RDL	QC Batch
BTEX & F1 Hydrocarbons										
Benzene	ug/g	<0.020	<0.020	9693659	<0.020	<0.020	<0.020	<0.020	0.020	9693659
Toluene	ug/g	<0.020	<0.020	9693659	<0.020	<0.020	<0.020	<0.020	0.020	9693659
Ethylbenzene	ug/g	<0.020	<0.020	9693659	<0.020	0.021	<0.020	<0.020	0.020	9693659
o-Xylene	ug/g	<0.020	<0.020	9693659	<0.020	<0.020	<0.020	<0.020	0.020	9693659
p+m-Xylene	ug/g	<0.040	<0.040	9693659	<0.040	<0.040	<0.040	<0.040	0.040	9693659
Total Xylenes	ug/g	<0.040	<0.040	9693659	<0.040	<0.040	<0.040	<0.040	0.040	9693659
F1 (C6-C10)	ug/g	<10	<10	9693659	<10	17	<10	<10	10	9693659
F1 (C6-C10) - BTEX	ug/g	<10	<10	9693659	<10	17	<10	<10	10	9693659
F2-F4 Hydrocarbons										
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	<7.0	9691675	<7.0	<7.0	<7.0	<7.0	7.0	9690387
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	9691675	<50	<50	<50	<50	50	9690387
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	9691675	<50	<50	<50	<50	50	9690387
Reached Baseline at C50	ug/g	Yes	Yes	9691675	Yes	Yes	Yes	Yes		9690387
Surrogate Recovery (%)										
1,4-Difluorobenzene	%	103	106	9693659	105	104	105	106		9693659
4-Bromofluorobenzene	%	88	92	9693659	91	99	91	93		9693659
D10-o-Xylene	%	112	114	9693659	114	113	112	112		9693659
D4-1,2-Dichloroethane	%	96	105	9693659	106	105	106	107		9693659
o-Terphenyl	%	96	93	9691675	92	93	100	95		9690387

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Site Location: 1310 SOUTH SERVICE ROAD
Your P.O. #: 0138-001.03
Sampler Initials: AL

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		AEUS05		AEUS06		AEUS07	AEUS08		AEUS09		
Sampling Date		2024/10/03 12:50		2024/10/03 13:00		2024/10/03 13:08	2024/10/03 13:15		2024/10/03 13:25		
COC Number		N/A		N/A		N/A	N/A		N/A		
	UNITS	TP1-2.0	QC Batch	TP2-1.0	QC Batch	TP9-1.0	TP3-1.0	QC Batch	TP6-3.0	RDL	QC Batch
Inorganics											
Moisture	%	9.3	9684721	14	9686597	18	17	9684721	13	1.0	9686597

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AEUS10	AEUS11	AEUS12		
Sampling Date		2024/10/03 13:30	2024/10/03 13:40	2024/10/03 13:50		
COC Number		N/A	N/A	N/A		
	UNITS	TP10-2.0	TP11-2.0	TP7-3.0	RDL	QC Batch
Inorganics						
Moisture	%	11	16	14	1.0	9686597

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C4V1243
Report Date: 2024/10/11

BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Site Location: 1310 SOUTH SERVICE ROAD
Your P.O. #: 0138-001.03
Sampler Initials: AL

TEST SUMMARY

Bureau Veritas ID: AEUS05 **Collected:** 2024/10/03
Sample ID: TP1-2.0 **Shipped:**
Matrix: Soil **Received:** 2024/10/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9693659	N/A	2024/10/10	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9691675	2024/10/09	2024/10/11	Mohammed Abdul Nafay Shoeb
Moisture	BAL	9684721	N/A	2024/10/05	Muhammad Chhaidan

Bureau Veritas ID: AEUS06 **Collected:** 2024/10/03
Sample ID: TP2-1.0 **Shipped:**
Matrix: Soil **Received:** 2024/10/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9693659	N/A	2024/10/10	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9690387	2024/10/09	2024/10/09	Mohammed Abdul Nafay Shoeb
Moisture	BAL	9686597	N/A	2024/10/07	Muhammad Chhaidan

Bureau Veritas ID: AEUS06 Dup **Collected:** 2024/10/03
Sample ID: TP2-1.0 **Shipped:**
Matrix: Soil **Received:** 2024/10/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9693659	N/A	2024/10/10	Ravinder Gaidhu

Bureau Veritas ID: AEUS07 **Collected:** 2024/10/03
Sample ID: TP9-1.0 **Shipped:**
Matrix: Soil **Received:** 2024/10/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9680914	N/A	2024/10/11	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9693659	N/A	2024/10/10	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9691675	2024/10/09	2024/10/11	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9691985	2024/10/09	2024/10/10	Daniel Teclu
Moisture	BAL	9684721	N/A	2024/10/05	Muhammad Chhaidan
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9691904	2024/10/09	2024/10/10	Jett Wu

Bureau Veritas ID: AEUS08 **Collected:** 2024/10/03
Sample ID: TP3-1.0 **Shipped:**
Matrix: Soil **Received:** 2024/10/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9693659	N/A	2024/10/10	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9691675	2024/10/09	2024/10/11	Mohammed Abdul Nafay Shoeb
Moisture	BAL	9684721	N/A	2024/10/05	Muhammad Chhaidan

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Bureau Veritas Job #: C4V1243
Report Date: 2024/10/11

BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Site Location: 1310 SOUTH SERVICE ROAD
Your P.O. #: 0138-001.03
Sampler Initials: AL

TEST SUMMARY

Bureau Veritas ID: AEUS09
Sample ID: TP6-3.0
Matrix: Soil

Collected: 2024/10/03
Shipped:
Received: 2024/10/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9693659	N/A	2024/10/10	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9690387	2024/10/09	2024/10/09	Mohammed Abdul Nafay Shoeb
Moisture	BAL	9686597	N/A	2024/10/07	Muhammad Chhaidan

Bureau Veritas ID: AEUS10
Sample ID: TP10-2.0
Matrix: Soil

Collected: 2024/10/03
Shipped:
Received: 2024/10/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9680914	N/A	2024/10/10	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9693659	N/A	2024/10/10	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9690387	2024/10/09	2024/10/10	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9693887	2024/10/10	2024/10/10	Daniel Teclu
Moisture	BAL	9686597	N/A	2024/10/07	Muhammad Chhaidan
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9690388	2024/10/09	2024/10/09	Mitesh Raj

Bureau Veritas ID: AEUS11
Sample ID: TP11-2.0
Matrix: Soil

Collected: 2024/10/03
Shipped:
Received: 2024/10/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9680914	N/A	2024/10/10	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9693659	N/A	2024/10/10	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9690387	2024/10/09	2024/10/10	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9693887	2024/10/10	2024/10/10	Daniel Teclu
Moisture	BAL	9686597	N/A	2024/10/07	Muhammad Chhaidan
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9690388	2024/10/09	2024/10/09	Mitesh Raj

Bureau Veritas ID: AEUS12
Sample ID: TP7-3.0
Matrix: Soil

Collected: 2024/10/03
Shipped:
Received: 2024/10/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9680914	N/A	2024/10/10	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9693659	N/A	2024/10/10	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9690387	2024/10/09	2024/10/10	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	9693887	2024/10/10	2024/10/10	Daniel Teclu
Moisture	BAL	9686597	N/A	2024/10/07	Muhammad Chhaidan
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9690388	2024/10/09	2024/10/09	Mitesh Raj

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GENERAL COMMENTS

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

Package 1	28.7°C

Sample AEUS05 [TP1-2.0] : F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Sample AEUS07 [TP9-1.0] : F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Sample AEUS12 [TP7-3.0] : F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Results relate only to the items tested.

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BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Site Location: 1310 SOUTH SERVICE ROAD
Your P.O. #: 0138-001.03
Sampler Initials: AL

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9684721	MUC	RPD	Moisture	2024/10/05	1.9		%	20
9686597	MUC	RPD	Moisture	2024/10/07	4.0		%	20
9690387	MSZ	Matrix Spike	o-Terphenyl	2024/10/09		101	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2024/10/09		106	%	60 - 140
			F3 (C16-C34 Hydrocarbons)	2024/10/09		109	%	60 - 140
			F4 (C34-C50 Hydrocarbons)	2024/10/09		104	%	60 - 140
9690387	MSZ	Spiked Blank	o-Terphenyl	2024/10/09		95	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2024/10/09		95	%	80 - 120
			F3 (C16-C34 Hydrocarbons)	2024/10/09		99	%	80 - 120
			F4 (C34-C50 Hydrocarbons)	2024/10/09		94	%	80 - 120
9690387	MSZ	Method Blank	o-Terphenyl	2024/10/09		92	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2024/10/09	<7.0		ug/g	
			F3 (C16-C34 Hydrocarbons)	2024/10/09	<50		ug/g	
			F4 (C34-C50 Hydrocarbons)	2024/10/09	<50		ug/g	
9690387	MSZ	RPD	F2 (C10-C16 Hydrocarbons)	2024/10/10	NC		%	30
			F3 (C16-C34 Hydrocarbons)	2024/10/10	NC		%	30
			F4 (C34-C50 Hydrocarbons)	2024/10/10	NC		%	30
9690388	RAJ	Matrix Spike	D10-Anthracene	2024/10/09		93	%	50 - 130
			D14-Terphenyl (FS)	2024/10/09		97	%	50 - 130
			D8-Acenaphthylene	2024/10/09		92	%	50 - 130
			Acenaphthene	2024/10/09		89	%	50 - 130
			Acenaphthylene	2024/10/09		87	%	50 - 130
			Anthracene	2024/10/09		87	%	50 - 130
			Benzo(a)anthracene	2024/10/09		94	%	50 - 130
			Benzo(a)pyrene	2024/10/09		93	%	50 - 130
			Benzo(b/j)fluoranthene	2024/10/09		86	%	50 - 130
			Benzo(g,h,i)perylene	2024/10/09		91	%	50 - 130
			Benzo(k)fluoranthene	2024/10/09		84	%	50 - 130
			Chrysene	2024/10/09		82	%	50 - 130
			Dibenzo(a,h)anthracene	2024/10/09		92	%	50 - 130
			Fluoranthene	2024/10/09		91	%	50 - 130
			Fluorene	2024/10/09		90	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2024/10/09		93	%	50 - 130
			1-Methylnaphthalene	2024/10/09		85	%	50 - 130
			2-Methylnaphthalene	2024/10/09		85	%	50 - 130
			Naphthalene	2024/10/09		80	%	50 - 130
			Phenanthrene	2024/10/09		88	%	50 - 130
			Pyrene	2024/10/09		91	%	50 - 130
9690388	RAJ	Spiked Blank	D10-Anthracene	2024/10/09		95	%	50 - 130
			D14-Terphenyl (FS)	2024/10/09		96	%	50 - 130
			D8-Acenaphthylene	2024/10/09		94	%	50 - 130
			Acenaphthene	2024/10/09		90	%	50 - 130
			Acenaphthylene	2024/10/09		89	%	50 - 130
			Anthracene	2024/10/09		87	%	50 - 130
			Benzo(a)anthracene	2024/10/09		90	%	50 - 130
			Benzo(a)pyrene	2024/10/09		93	%	50 - 130
			Benzo(b/j)fluoranthene	2024/10/09		89	%	50 - 130
			Benzo(g,h,i)perylene	2024/10/09		91	%	50 - 130
			Benzo(k)fluoranthene	2024/10/09		86	%	50 - 130
			Chrysene	2024/10/09		82	%	50 - 130

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dibenzo(a,h)anthracene	2024/10/09		90	%	50 - 130
			Fluoranthene	2024/10/09		89	%	50 - 130
			Fluorene	2024/10/09		90	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2024/10/09		93	%	50 - 130
			1-Methylnaphthalene	2024/10/09		91	%	50 - 130
			2-Methylnaphthalene	2024/10/09		91	%	50 - 130
			Naphthalene	2024/10/09		83	%	50 - 130
			Phenanthrene	2024/10/09		88	%	50 - 130
			Pyrene	2024/10/09		88	%	50 - 130
9690388	RAJ	Method Blank	D10-Anthracene	2024/10/09		96	%	50 - 130
			D14-Terphenyl (FS)	2024/10/09		98	%	50 - 130
			D8-Acenaphthylene	2024/10/09		93	%	50 - 130
			Acenaphthene	2024/10/09	<0.0050		ug/g	
			Acenaphthylene	2024/10/09	<0.0050		ug/g	
			Anthracene	2024/10/09	<0.0050		ug/g	
			Benzo(a)anthracene	2024/10/09	<0.0050		ug/g	
			Benzo(a)pyrene	2024/10/09	<0.0050		ug/g	
			Benzo(b/j)fluoranthene	2024/10/09	<0.0050		ug/g	
			Benzo(g,h,i)perylene	2024/10/09	<0.0050		ug/g	
			Benzo(k)fluoranthene	2024/10/09	<0.0050		ug/g	
			Chrysene	2024/10/09	<0.0050		ug/g	
			Dibenzo(a,h)anthracene	2024/10/09	<0.0050		ug/g	
			Fluoranthene	2024/10/09	<0.0050		ug/g	
			Fluorene	2024/10/09	<0.0050		ug/g	
			Indeno(1,2,3-cd)pyrene	2024/10/09	<0.0050		ug/g	
			1-Methylnaphthalene	2024/10/09	<0.0050		ug/g	
			2-Methylnaphthalene	2024/10/09	<0.0050		ug/g	
			Naphthalene	2024/10/09	<0.0050		ug/g	
			Phenanthrene	2024/10/09	<0.0050		ug/g	
			Pyrene	2024/10/09	<0.0050		ug/g	
9690388	RAJ	RPD	Acenaphthene	2024/10/09	NC		%	40
			Acenaphthylene	2024/10/09	NC		%	40
			Anthracene	2024/10/09	NC		%	40
			Benzo(a)anthracene	2024/10/09	NC		%	40
			Benzo(a)pyrene	2024/10/09	NC		%	40
			Benzo(b/j)fluoranthene	2024/10/09	112 (1)		%	40
			Benzo(g,h,i)perylene	2024/10/09	NC		%	40
			Benzo(k)fluoranthene	2024/10/09	23		%	40
			Chrysene	2024/10/09	NC		%	40
			Dibenzo(a,h)anthracene	2024/10/09	NC		%	40
			Fluoranthene	2024/10/09	138 (1)		%	40
			Fluorene	2024/10/09	NC		%	40
			Indeno(1,2,3-cd)pyrene	2024/10/09	NC		%	40
			1-Methylnaphthalene	2024/10/09	NC		%	40
			2-Methylnaphthalene	2024/10/09	NC		%	40
			Naphthalene	2024/10/09	NC		%	40
			Phenanthrene	2024/10/09	125 (1)		%	40
			Pyrene	2024/10/09	136 (1)		%	40
9691675	MSZ	Matrix Spike	o-Terphenyl	2024/10/11		93	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2024/10/11		97	%	60 - 140

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			F3 (C16-C34 Hydrocarbons)	2024/10/11		98	%	60 - 140
			F4 (C34-C50 Hydrocarbons)	2024/10/11		88	%	60 - 140
9691675	MSZ	Spiked Blank	o-Terphenyl	2024/10/11		97	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2024/10/11		104	%	80 - 120
			F3 (C16-C34 Hydrocarbons)	2024/10/11		107	%	80 - 120
			F4 (C34-C50 Hydrocarbons)	2024/10/11		98	%	80 - 120
9691675	MSZ	Method Blank	o-Terphenyl	2024/10/11		96	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2024/10/11	<7.0		ug/g	
			F3 (C16-C34 Hydrocarbons)	2024/10/11	<50		ug/g	
			F4 (C34-C50 Hydrocarbons)	2024/10/11	<50		ug/g	
9691675	MSZ	RPD	F2 (C10-C16 Hydrocarbons)	2024/10/11	NC		%	30
			F3 (C16-C34 Hydrocarbons)	2024/10/11	NC		%	30
			F4 (C34-C50 Hydrocarbons)	2024/10/11	NC		%	30
9691904	JET	Matrix Spike	D10-Anthracene	2024/10/10		105	%	50 - 130
			D14-Terphenyl (FS)	2024/10/10		97	%	50 - 130
			D8-Acenaphthylene	2024/10/10		90	%	50 - 130
			Acenaphthene	2024/10/10		88	%	50 - 130
			Acenaphthylene	2024/10/10		83	%	50 - 130
			Anthracene	2024/10/10		97	%	50 - 130
			Benzo(a)anthracene	2024/10/10		90	%	50 - 130
			Benzo(a)pyrene	2024/10/10		90	%	50 - 130
			Benzo(b/j)fluoranthene	2024/10/10		88	%	50 - 130
			Benzo(g,h,i)perylene	2024/10/10		98	%	50 - 130
			Benzo(k)fluoranthene	2024/10/10		89	%	50 - 130
			Chrysene	2024/10/10		82	%	50 - 130
			Dibenzo(a,h)anthracene	2024/10/10		96	%	50 - 130
			Fluoranthene	2024/10/10		94	%	50 - 130
			Fluorene	2024/10/10		88	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2024/10/10		99	%	50 - 130
			1-Methylnaphthalene	2024/10/10		83	%	50 - 130
			2-Methylnaphthalene	2024/10/10		79	%	50 - 130
			Naphthalene	2024/10/10		75	%	50 - 130
			Phenanthrene	2024/10/10		87	%	50 - 130
			Pyrene	2024/10/10		101	%	50 - 130
9691904	JET	Spiked Blank	D10-Anthracene	2024/10/10		116	%	50 - 130
			D14-Terphenyl (FS)	2024/10/10		100	%	50 - 130
			D8-Acenaphthylene	2024/10/10		90	%	50 - 130
			Acenaphthene	2024/10/10		87	%	50 - 130
			Acenaphthylene	2024/10/10		81	%	50 - 130
			Anthracene	2024/10/10		99	%	50 - 130
			Benzo(a)anthracene	2024/10/10		88	%	50 - 130
			Benzo(a)pyrene	2024/10/10		86	%	50 - 130
			Benzo(b/j)fluoranthene	2024/10/10		93	%	50 - 130
			Benzo(g,h,i)perylene	2024/10/10		91	%	50 - 130
			Benzo(k)fluoranthene	2024/10/10		89	%	50 - 130
			Chrysene	2024/10/10		82	%	50 - 130
			Dibenzo(a,h)anthracene	2024/10/10		93	%	50 - 130
			Fluoranthene	2024/10/10		96	%	50 - 130
			Fluorene	2024/10/10		88	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2024/10/10		94	%	50 - 130

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			1-Methylnaphthalene	2024/10/10		88	%	50 - 130
			2-Methylnaphthalene	2024/10/10		81	%	50 - 130
			Naphthalene	2024/10/10		80	%	50 - 130
			Phenanthrene	2024/10/10		90	%	50 - 130
			Pyrene	2024/10/10		101	%	50 - 130
9691904	JET	Method Blank	D10-Anthracene	2024/10/10		119	%	50 - 130
			D14-Terphenyl (FS)	2024/10/10		100	%	50 - 130
			D8-Acenaphthylene	2024/10/10		85	%	50 - 130
			Acenaphthene	2024/10/10	<0.0050		ug/g	
			Acenaphthylene	2024/10/10	<0.0050		ug/g	
			Anthracene	2024/10/10	<0.0050		ug/g	
			Benzo(a)anthracene	2024/10/10	<0.0050		ug/g	
			Benzo(a)pyrene	2024/10/10	<0.0050		ug/g	
			Benzo(b/j)fluoranthene	2024/10/10	<0.0050		ug/g	
			Benzo(g,h,i)perylene	2024/10/10	<0.0050		ug/g	
			Benzo(k)fluoranthene	2024/10/10	<0.0050		ug/g	
			Chrysene	2024/10/10	<0.0050		ug/g	
			Dibenzo(a,h)anthracene	2024/10/10	<0.0050		ug/g	
			Fluoranthene	2024/10/10	<0.0050		ug/g	
			Fluorene	2024/10/10	<0.0050		ug/g	
			Indeno(1,2,3-cd)pyrene	2024/10/10	<0.0050		ug/g	
			1-Methylnaphthalene	2024/10/10	<0.0050		ug/g	
			2-Methylnaphthalene	2024/10/10	<0.0050		ug/g	
			Naphthalene	2024/10/10	<0.0050		ug/g	
			Phenanthrene	2024/10/10	<0.0050		ug/g	
			Pyrene	2024/10/10	<0.0050		ug/g	
9691904	JET	RPD	Acenaphthene	2024/10/10	NC		%	40
			Acenaphthylene	2024/10/10	NC		%	40
			Anthracene	2024/10/10	NC		%	40
			Benzo(a)anthracene	2024/10/10	NC		%	40
			Benzo(a)pyrene	2024/10/10	NC		%	40
			Benzo(b/j)fluoranthene	2024/10/10	NC		%	40
			Benzo(g,h,i)perylene	2024/10/10	NC		%	40
			Benzo(k)fluoranthene	2024/10/10	NC		%	40
			Chrysene	2024/10/10	NC		%	40
			Dibenzo(a,h)anthracene	2024/10/10	NC		%	40
			Fluoranthene	2024/10/10	NC		%	40
			Fluorene	2024/10/10	NC		%	40
			Indeno(1,2,3-cd)pyrene	2024/10/10	NC		%	40
			1-Methylnaphthalene	2024/10/10	NC		%	40
			2-Methylnaphthalene	2024/10/10	NC		%	40
			Naphthalene	2024/10/10	NC		%	40
			Phenanthrene	2024/10/10	NC		%	40
			Pyrene	2024/10/10	NC		%	40
9691985	DT1	Matrix Spike	Acid Extractable Antimony (Sb)	2024/10/09		98	%	75 - 125
			Acid Extractable Arsenic (As)	2024/10/09		95	%	75 - 125
			Acid Extractable Barium (Ba)	2024/10/09		NC	%	75 - 125
			Acid Extractable Beryllium (Be)	2024/10/09		97	%	75 - 125
			Acid Extractable Boron (B)	2024/10/09		89	%	75 - 125
			Acid Extractable Cadmium (Cd)	2024/10/09		98	%	75 - 125

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Acid Extractable Chromium (Cr)	2024/10/09		105	%	75 - 125
			Acid Extractable Cobalt (Co)	2024/10/09		99	%	75 - 125
			Acid Extractable Copper (Cu)	2024/10/09		NC	%	75 - 125
			Acid Extractable Lead (Pb)	2024/10/09		102	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2024/10/09		96	%	75 - 125
			Acid Extractable Nickel (Ni)	2024/10/09		NC	%	75 - 125
			Acid Extractable Selenium (Se)	2024/10/09		89	%	75 - 125
			Acid Extractable Silver (Ag)	2024/10/09		98	%	75 - 125
			Acid Extractable Thallium (Tl)	2024/10/09		101	%	75 - 125
			Acid Extractable Uranium (U)	2024/10/09		105	%	75 - 125
			Acid Extractable Vanadium (V)	2024/10/09		NC	%	75 - 125
			Acid Extractable Zinc (Zn)	2024/10/09		NC	%	75 - 125
9691985	DT1	Spiked Blank	Acid Extractable Antimony (Sb)	2024/10/09		114	%	80 - 120
			Acid Extractable Arsenic (As)	2024/10/09		102	%	80 - 120
			Acid Extractable Barium (Ba)	2024/10/09		103	%	80 - 120
			Acid Extractable Beryllium (Be)	2024/10/09		102	%	80 - 120
			Acid Extractable Boron (B)	2024/10/09		101	%	80 - 120
			Acid Extractable Cadmium (Cd)	2024/10/09		102	%	80 - 120
			Acid Extractable Chromium (Cr)	2024/10/09		103	%	80 - 120
			Acid Extractable Cobalt (Co)	2024/10/09		102	%	80 - 120
			Acid Extractable Copper (Cu)	2024/10/09		104	%	80 - 120
			Acid Extractable Lead (Pb)	2024/10/09		104	%	80 - 120
			Acid Extractable Molybdenum (Mo)	2024/10/09		102	%	80 - 120
			Acid Extractable Nickel (Ni)	2024/10/09		104	%	80 - 120
			Acid Extractable Selenium (Se)	2024/10/09		97	%	80 - 120
			Acid Extractable Silver (Ag)	2024/10/09		102	%	80 - 120
			Acid Extractable Thallium (Tl)	2024/10/09		106	%	80 - 120
			Acid Extractable Uranium (U)	2024/10/09		107	%	80 - 120
			Acid Extractable Vanadium (V)	2024/10/09		102	%	80 - 120
			Acid Extractable Zinc (Zn)	2024/10/09		103	%	80 - 120
9691985	DT1	Method Blank	Acid Extractable Antimony (Sb)	2024/10/09	<0.20		ug/g	
			Acid Extractable Arsenic (As)	2024/10/09	<1.0		ug/g	
			Acid Extractable Barium (Ba)	2024/10/09	<0.50		ug/g	
			Acid Extractable Beryllium (Be)	2024/10/09	<0.20		ug/g	
			Acid Extractable Boron (B)	2024/10/09	<5.0		ug/g	
			Acid Extractable Cadmium (Cd)	2024/10/09	<0.10		ug/g	
			Acid Extractable Chromium (Cr)	2024/10/09	<1.0		ug/g	
			Acid Extractable Cobalt (Co)	2024/10/09	<0.10		ug/g	
			Acid Extractable Copper (Cu)	2024/10/09	<0.50		ug/g	
			Acid Extractable Lead (Pb)	2024/10/09	<1.0		ug/g	
			Acid Extractable Molybdenum (Mo)	2024/10/09	<0.50		ug/g	
			Acid Extractable Nickel (Ni)	2024/10/09	<0.50		ug/g	
			Acid Extractable Selenium (Se)	2024/10/09	<0.50		ug/g	
			Acid Extractable Silver (Ag)	2024/10/09	<0.20		ug/g	
			Acid Extractable Thallium (Tl)	2024/10/09	<0.050		ug/g	
			Acid Extractable Uranium (U)	2024/10/09	<0.050		ug/g	
			Acid Extractable Vanadium (V)	2024/10/09	<5.0		ug/g	
			Acid Extractable Zinc (Zn)	2024/10/09	<5.0		ug/g	
9691985	DT1	RPD	Acid Extractable Antimony (Sb)	2024/10/09	NC		%	30
			Acid Extractable Arsenic (As)	2024/10/09	3.1		%	30

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Acid Extractable Barium (Ba)	2024/10/09	0.85		%	30
			Acid Extractable Beryllium (Be)	2024/10/09	3.1		%	30
			Acid Extractable Boron (B)	2024/10/09	0.089		%	30
			Acid Extractable Cadmium (Cd)	2024/10/09	2.8		%	30
			Acid Extractable Chromium (Cr)	2024/10/09	1.4		%	30
			Acid Extractable Cobalt (Co)	2024/10/09	0.0019		%	30
			Acid Extractable Copper (Cu)	2024/10/09	2.5		%	30
			Acid Extractable Lead (Pb)	2024/10/09	0.64		%	30
			Acid Extractable Molybdenum (Mo)	2024/10/09	NC		%	30
			Acid Extractable Nickel (Ni)	2024/10/09	0.61		%	30
			Acid Extractable Selenium (Se)	2024/10/09	NC		%	30
			Acid Extractable Silver (Ag)	2024/10/09	NC		%	30
			Acid Extractable Thallium (Tl)	2024/10/09	5.0		%	30
			Acid Extractable Uranium (U)	2024/10/09	5.5		%	30
			Acid Extractable Vanadium (V)	2024/10/09	2.7		%	30
			Acid Extractable Zinc (Zn)	2024/10/09	2.5		%	30
9693659	RGA	Matrix Spike [AEUS06-02]	1,4-Difluorobenzene	2024/10/10		100	%	60 - 140
			4-Bromofluorobenzene	2024/10/10		98	%	60 - 140
			D10-o-Xylene	2024/10/10		117	%	60 - 140
			D4-1,2-Dichloroethane	2024/10/10		102	%	60 - 140
			Benzene	2024/10/10		96	%	50 - 140
			Toluene	2024/10/10		97	%	50 - 140
			Ethylbenzene	2024/10/10		108	%	50 - 140
			o-Xylene	2024/10/10		105	%	50 - 140
			p+m-Xylene	2024/10/10		107	%	50 - 140
			F1 (C6-C10)	2024/10/10		108	%	60 - 140
9693659	RGA	Spiked Blank	1,4-Difluorobenzene	2024/10/10		103	%	60 - 140
			4-Bromofluorobenzene	2024/10/10		96	%	60 - 140
			D10-o-Xylene	2024/10/10		105	%	60 - 140
			D4-1,2-Dichloroethane	2024/10/10		102	%	60 - 140
			Benzene	2024/10/10		88	%	50 - 140
			Toluene	2024/10/10		88	%	50 - 140
			Ethylbenzene	2024/10/10		101	%	50 - 140
			o-Xylene	2024/10/10		95	%	50 - 140
			p+m-Xylene	2024/10/10		97	%	50 - 140
			F1 (C6-C10)	2024/10/10		97	%	80 - 120
9693659	RGA	Method Blank	1,4-Difluorobenzene	2024/10/10		106	%	60 - 140
			4-Bromofluorobenzene	2024/10/10		91	%	60 - 140
			D10-o-Xylene	2024/10/10		104	%	60 - 140
			D4-1,2-Dichloroethane	2024/10/10		105	%	60 - 140
			Benzene	2024/10/10	<0.020		ug/g	
			Toluene	2024/10/10	<0.020		ug/g	
			Ethylbenzene	2024/10/10	<0.020		ug/g	
			o-Xylene	2024/10/10	<0.020		ug/g	
			p+m-Xylene	2024/10/10	<0.040		ug/g	
			Total Xylenes	2024/10/10	<0.040		ug/g	
			F1 (C6-C10)	2024/10/10	<10		ug/g	
			F1 (C6-C10) - BTEX	2024/10/10	<10		ug/g	
9693659	RGA	RPD [AEUS06-02]	Benzene	2024/10/10	NC		%	50
			Toluene	2024/10/10	NC		%	50

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Ethylbenzene	2024/10/10	NC		%	50
			o-Xylene	2024/10/10	NC		%	50
			p+m-Xylene	2024/10/10	NC		%	50
			Total Xylenes	2024/10/10	NC		%	50
			F1 (C6-C10)	2024/10/10	NC		%	30
			F1 (C6-C10) - BTEX	2024/10/10	NC		%	30
9693887	DT1	Matrix Spike	Acid Extractable Antimony (Sb)	2024/10/10		102	%	75 - 125
			Acid Extractable Arsenic (As)	2024/10/10		93	%	75 - 125
			Acid Extractable Barium (Ba)	2024/10/10		NC	%	75 - 125
			Acid Extractable Beryllium (Be)	2024/10/10		96	%	75 - 125
			Acid Extractable Boron (B)	2024/10/10		84	%	75 - 125
			Acid Extractable Cadmium (Cd)	2024/10/10		98	%	75 - 125
			Acid Extractable Chromium (Cr)	2024/10/10		96	%	75 - 125
			Acid Extractable Cobalt (Co)	2024/10/10		97	%	75 - 125
			Acid Extractable Copper (Cu)	2024/10/10		NC	%	75 - 125
			Acid Extractable Lead (Pb)	2024/10/10		NC	%	75 - 125
			Acid Extractable Molybdenum (Mo)	2024/10/10		96	%	75 - 125
			Acid Extractable Nickel (Ni)	2024/10/10		NC	%	75 - 125
			Acid Extractable Selenium (Se)	2024/10/10		97	%	75 - 125
			Acid Extractable Silver (Ag)	2024/10/10		98	%	75 - 125
			Acid Extractable Thallium (Tl)	2024/10/10		99	%	75 - 125
			Acid Extractable Uranium (U)	2024/10/10		105	%	75 - 125
			Acid Extractable Vanadium (V)	2024/10/10		NC	%	75 - 125
			Acid Extractable Zinc (Zn)	2024/10/10		NC	%	75 - 125
9693887	DT1	Spiked Blank	Acid Extractable Antimony (Sb)	2024/10/10		119	%	80 - 120
			Acid Extractable Arsenic (As)	2024/10/10		104	%	80 - 120
			Acid Extractable Barium (Ba)	2024/10/10		103	%	80 - 120
			Acid Extractable Beryllium (Be)	2024/10/10		100	%	80 - 120
			Acid Extractable Boron (B)	2024/10/10		98	%	80 - 120
			Acid Extractable Cadmium (Cd)	2024/10/10		104	%	80 - 120
			Acid Extractable Chromium (Cr)	2024/10/10		104	%	80 - 120
			Acid Extractable Cobalt (Co)	2024/10/10		105	%	80 - 120
			Acid Extractable Copper (Cu)	2024/10/10		103	%	80 - 120
			Acid Extractable Lead (Pb)	2024/10/10		104	%	80 - 120
			Acid Extractable Molybdenum (Mo)	2024/10/10		99	%	80 - 120
			Acid Extractable Nickel (Ni)	2024/10/10		107	%	80 - 120
			Acid Extractable Selenium (Se)	2024/10/10		105	%	80 - 120
			Acid Extractable Silver (Ag)	2024/10/10		102	%	80 - 120
			Acid Extractable Thallium (Tl)	2024/10/10		105	%	80 - 120
			Acid Extractable Uranium (U)	2024/10/10		108	%	80 - 120
			Acid Extractable Vanadium (V)	2024/10/10		108	%	80 - 120
			Acid Extractable Zinc (Zn)	2024/10/10		106	%	80 - 120
9693887	DT1	Method Blank	Acid Extractable Antimony (Sb)	2024/10/10	<0.20		ug/g	
			Acid Extractable Arsenic (As)	2024/10/10	<1.0		ug/g	
			Acid Extractable Barium (Ba)	2024/10/10	<0.50		ug/g	
			Acid Extractable Beryllium (Be)	2024/10/10	<0.20		ug/g	
			Acid Extractable Boron (B)	2024/10/10	<5.0		ug/g	
			Acid Extractable Cadmium (Cd)	2024/10/10	<0.10		ug/g	
			Acid Extractable Chromium (Cr)	2024/10/10	<1.0		ug/g	
			Acid Extractable Cobalt (Co)	2024/10/10	<0.10		ug/g	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Acid Extractable Copper (Cu)	2024/10/10	<0.50		ug/g	
			Acid Extractable Lead (Pb)	2024/10/10	<1.0		ug/g	
			Acid Extractable Molybdenum (Mo)	2024/10/10	<0.50		ug/g	
			Acid Extractable Nickel (Ni)	2024/10/10	<0.50		ug/g	
			Acid Extractable Selenium (Se)	2024/10/10	<0.50		ug/g	
			Acid Extractable Silver (Ag)	2024/10/10	<0.20		ug/g	
			Acid Extractable Thallium (Tl)	2024/10/10	<0.050		ug/g	
			Acid Extractable Uranium (U)	2024/10/10	<0.050		ug/g	
			Acid Extractable Vanadium (V)	2024/10/10	<5.0		ug/g	
			Acid Extractable Zinc (Zn)	2024/10/10	<5.0		ug/g	
9693887	DT1	RPD	Acid Extractable Antimony (Sb)	2024/10/10	9.0		%	30
			Acid Extractable Arsenic (As)	2024/10/10	4.4		%	30
			Acid Extractable Barium (Ba)	2024/10/10	3.3		%	30
			Acid Extractable Beryllium (Be)	2024/10/10	8.1		%	30
			Acid Extractable Boron (B)	2024/10/10	2.0		%	30
			Acid Extractable Cadmium (Cd)	2024/10/10	9.6		%	30
			Acid Extractable Chromium (Cr)	2024/10/10	1.5		%	30
			Acid Extractable Cobalt (Co)	2024/10/10	3.0		%	30
			Acid Extractable Copper (Cu)	2024/10/10	2.2		%	30
			Acid Extractable Lead (Pb)	2024/10/10	3.1		%	30
			Acid Extractable Molybdenum (Mo)	2024/10/10	4.8		%	30
			Acid Extractable Nickel (Ni)	2024/10/10	4.3		%	30
			Acid Extractable Selenium (Se)	2024/10/10	NC		%	30
			Acid Extractable Silver (Ag)	2024/10/10	NC		%	30
			Acid Extractable Thallium (Tl)	2024/10/10	5.5		%	30
			Acid Extractable Uranium (U)	2024/10/10	3.5		%	30
			Acid Extractable Vanadium (V)	2024/10/10	0.63		%	30
			Acid Extractable Zinc (Zn)	2024/10/10	0.72		%	30

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

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

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

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

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

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

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

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

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VALIDATION SIGNATURE PAGE

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

Louise Harding, Scientific Specialist

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

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C4V1243
2024/10/03 15:15

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Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266

CHAIN OF CUSTODY RECORD

ENV COC - 00014v6

NONT-2024-10-793

Invoice Information	Invoice to (requires report) ☐	Report Information (if differs from invoice)		Project Information	
Company:	Bluefrog Environmental (cont. Inc.)	Company:		Quotation #:	
Contact Name:	Steven Wong	Contact Name:		P.O. #/ AFE#:	
Street Address:	208 Nyecroft Rd #100	Street Address:		Project #:	0138-001.03
City:	Oakville Prov: ON Postal Code: L6K3Z8	City: Prov: Postal Code:		Site #:	South Service Road
Phone:	647 270 6042	Phone:		Site Location:	1310 Stonecroft Dr
Email:	SWong@bluefrogconsulting.ca	Email:		Site Location Province:	ON
Copies:		Copies:		Sampled By:	Alyssa Lane

Regulatory Criteria

REG 153: ☐ Table 1 ☐ Table 2 ☐ Table 3 ☒ Table 7 | ☐ Res/Park ☒ Med/Fine ~~☐ Coarse~~ ☐ Ind/Comm ☐ Agri/other ☐ For RSC

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

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

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

Regular Turnaround Time (TAT): ☒ 5 to 7 Day ☐ 10 Day

Rush Turnaround Time (TAT) Surcharges apply: ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day

Date Required: YYYY MM DD

Comments

	Sample Identification (Please print or Type)	Date Sampled YYYY	MM	DD	Time (24hr) HH	MM	Matrix	FIELD FILTERED	FIELD PRESERVED	LAB FILTRATION REQUIRED	BTEX/ F1	F2 - F4	VOCs	Reg 153 metals and inorganics	Reg 153 ICPMS metals	Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	PAHs	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE
1	TP1-2.0	2024	10	03	12	56	Soil				X	X			-			3	
2	TP2-1.0				13	00					X	X						3	
3	TP9-1.0				13	08					X	X	X		X		X	4	
4	TP3-1.0				13	15					X	X						3	
5	TP6-3.0				13	25					X	X						3	
6	TP10-2.0				13	30					X	X	X		X		X	4	
7	TP12-2.0				13	46					X	X	X		X		X	4	
8	TP7-3.0	↓	↓	↓	13	50	↓				X	X	X		X		X	4	
9																			
10																			
11																			
12																			

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

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present	/					
Seal intact	/					
Cooling media present			3.0	2.9	2.7	

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

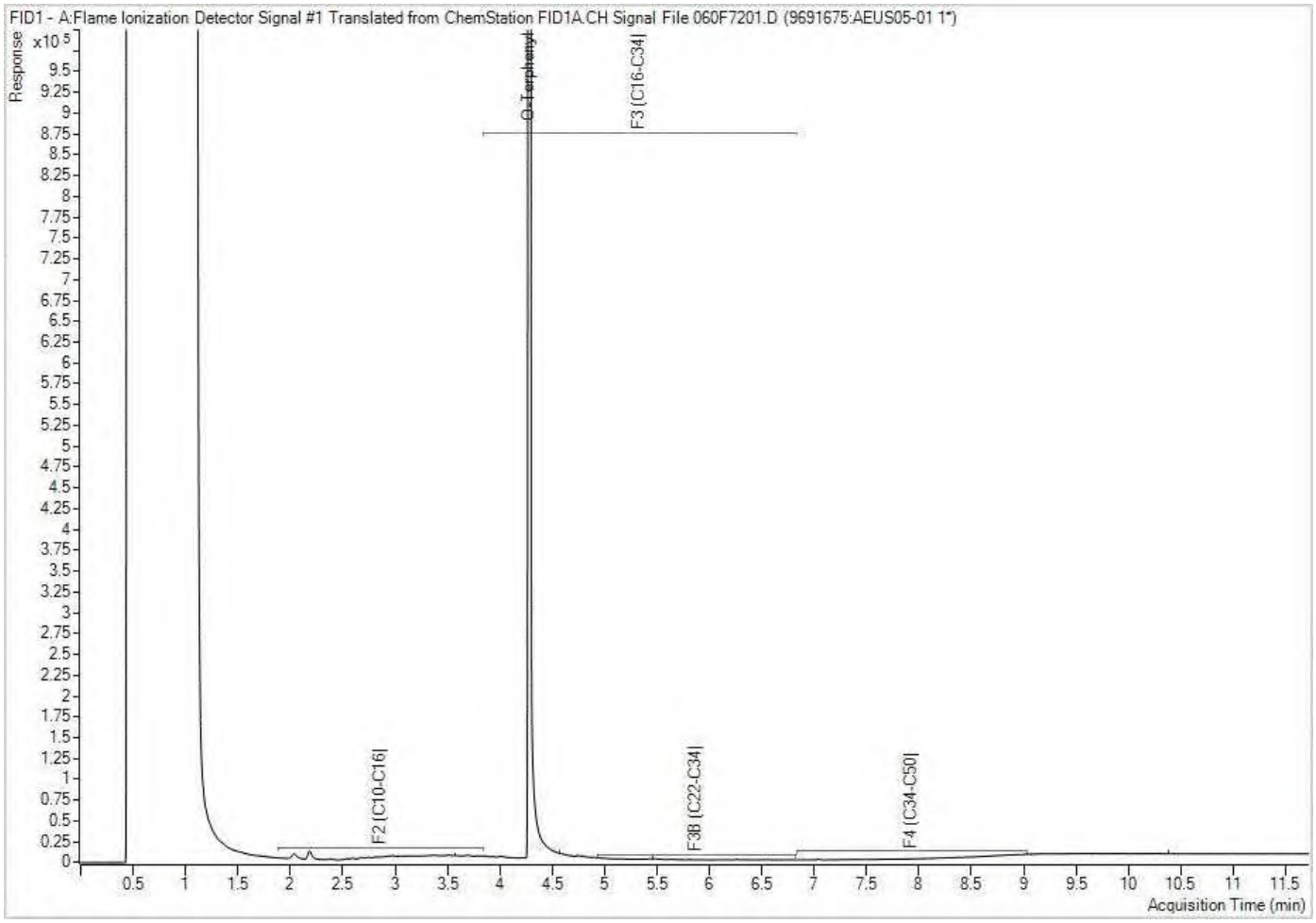
LAB USE ONLY	Yes	No	°C	1	2	3	Temperature reading by:
Seal present							
Seal intact							
Cooling media present							

	Relinquished by: (Signature/ Print)	Date YYYY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YYYY	MM	DD	Time HH	MM	Special instructions
1		2024	10	03	14	00	1	YYYY	10	03	15	15	
2							2						

Bureau Veritas Job #: C4V1243
Report Date: 2024/10/11
Bureau Veritas Sample: AEUS05

BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Project name: 1310 SOUTH SERVICE ROAD
Client ID: TP1-2.0

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

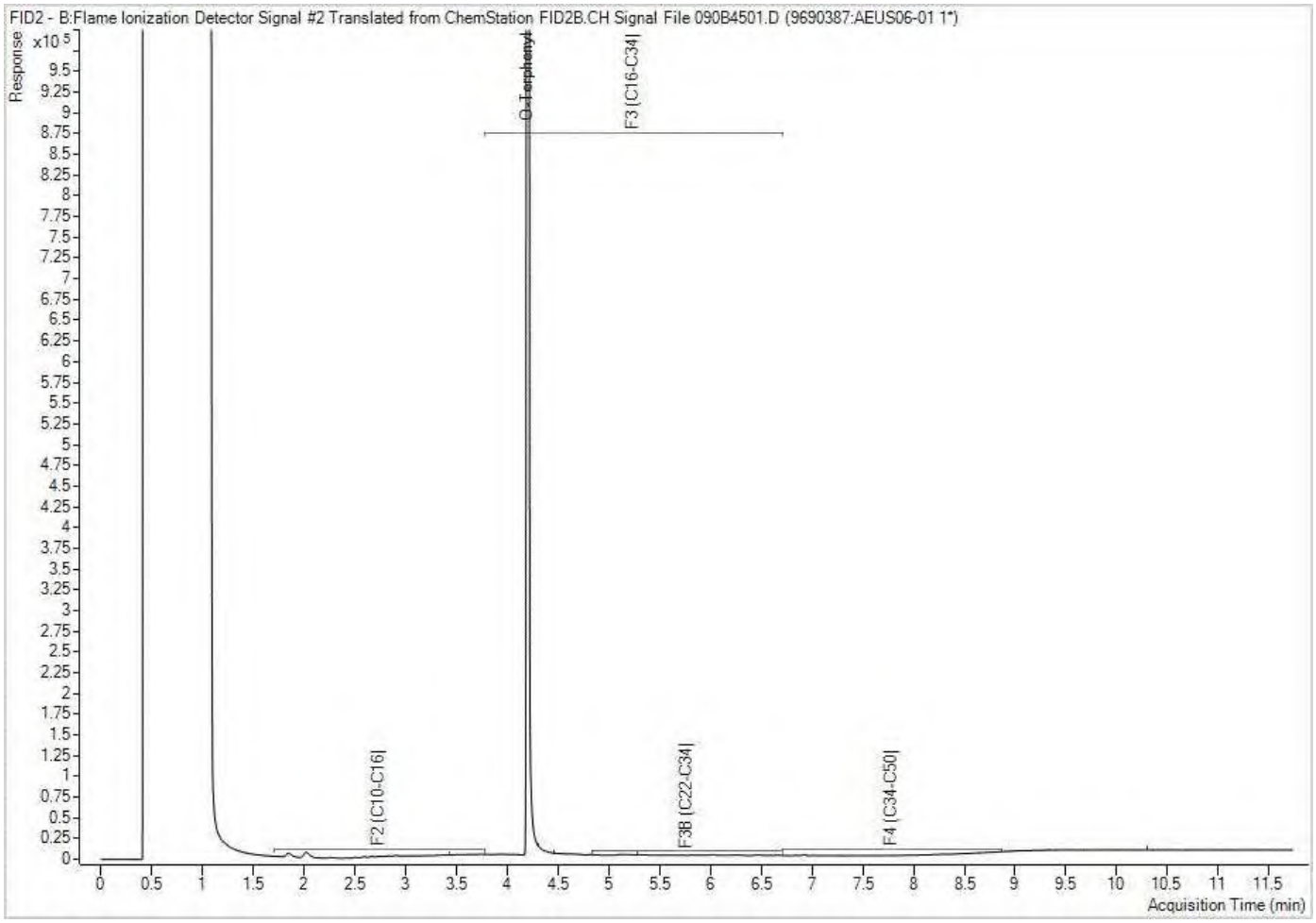


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C4V1243
Report Date: 2024/10/11
Bureau Veritas Sample: AEUS06

BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Project name: 1310 SOUTH SERVICE ROAD
Client ID: TP2-1.0

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

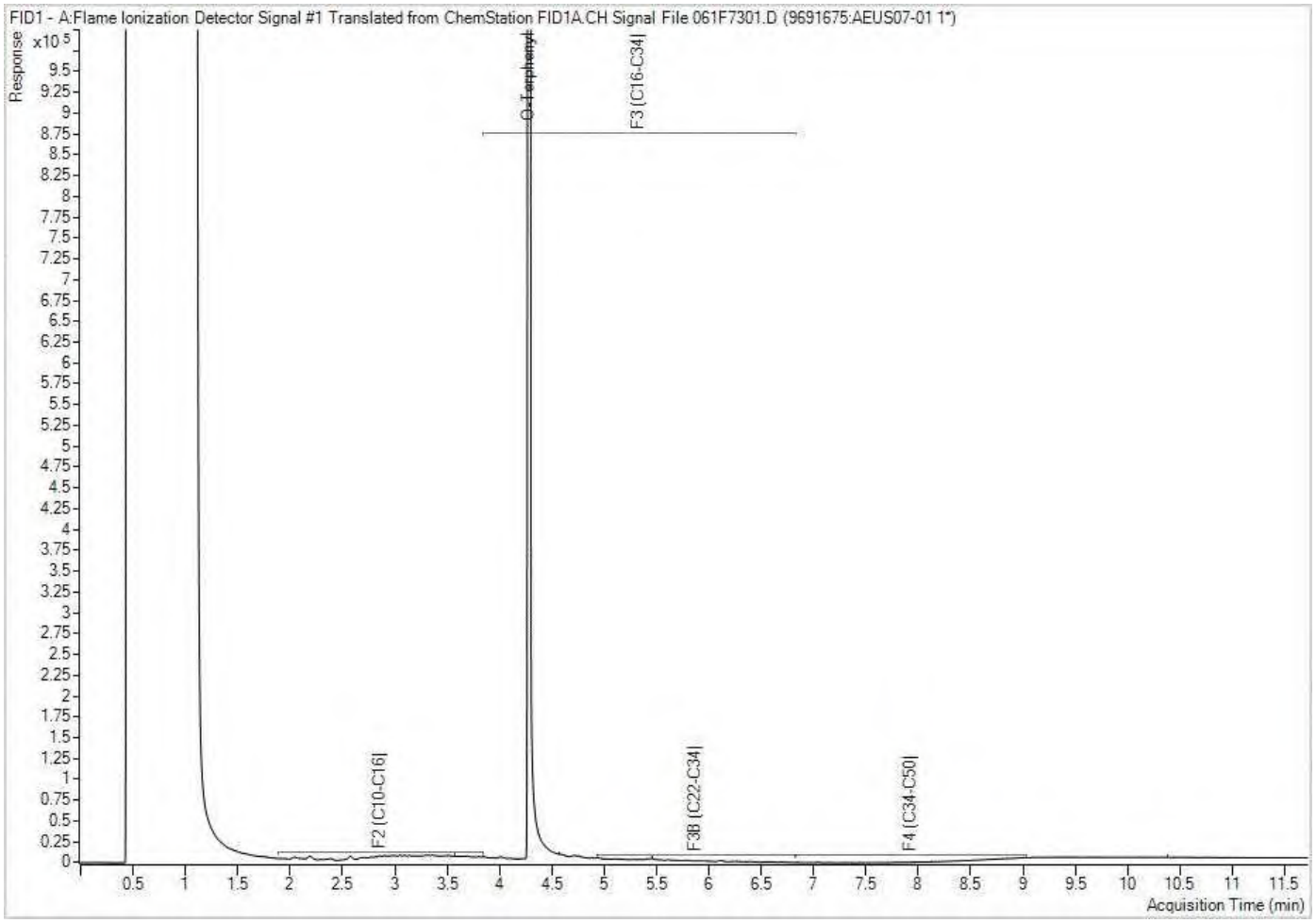


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C4V1243
Report Date: 2024/10/11
Bureau Veritas Sample: AEUS07

BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Project name: 1310 SOUTH SERVICE ROAD
Client ID: TP9-1.0

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

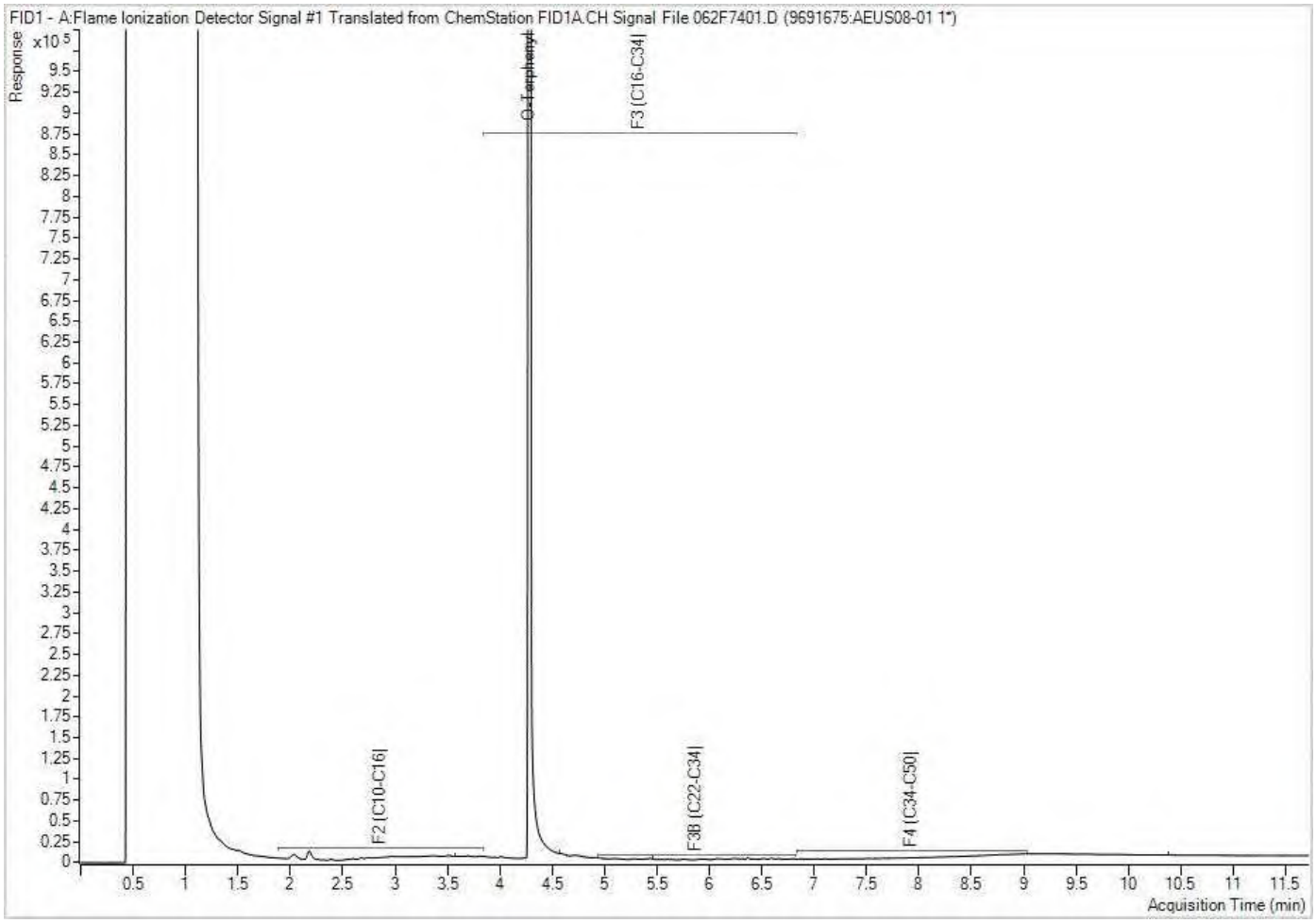


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C4V1243
Report Date: 2024/10/11
Bureau Veritas Sample: AEUS08

BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Project name: 1310 SOUTH SERVICE ROAD
Client ID: TP3-1.0

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

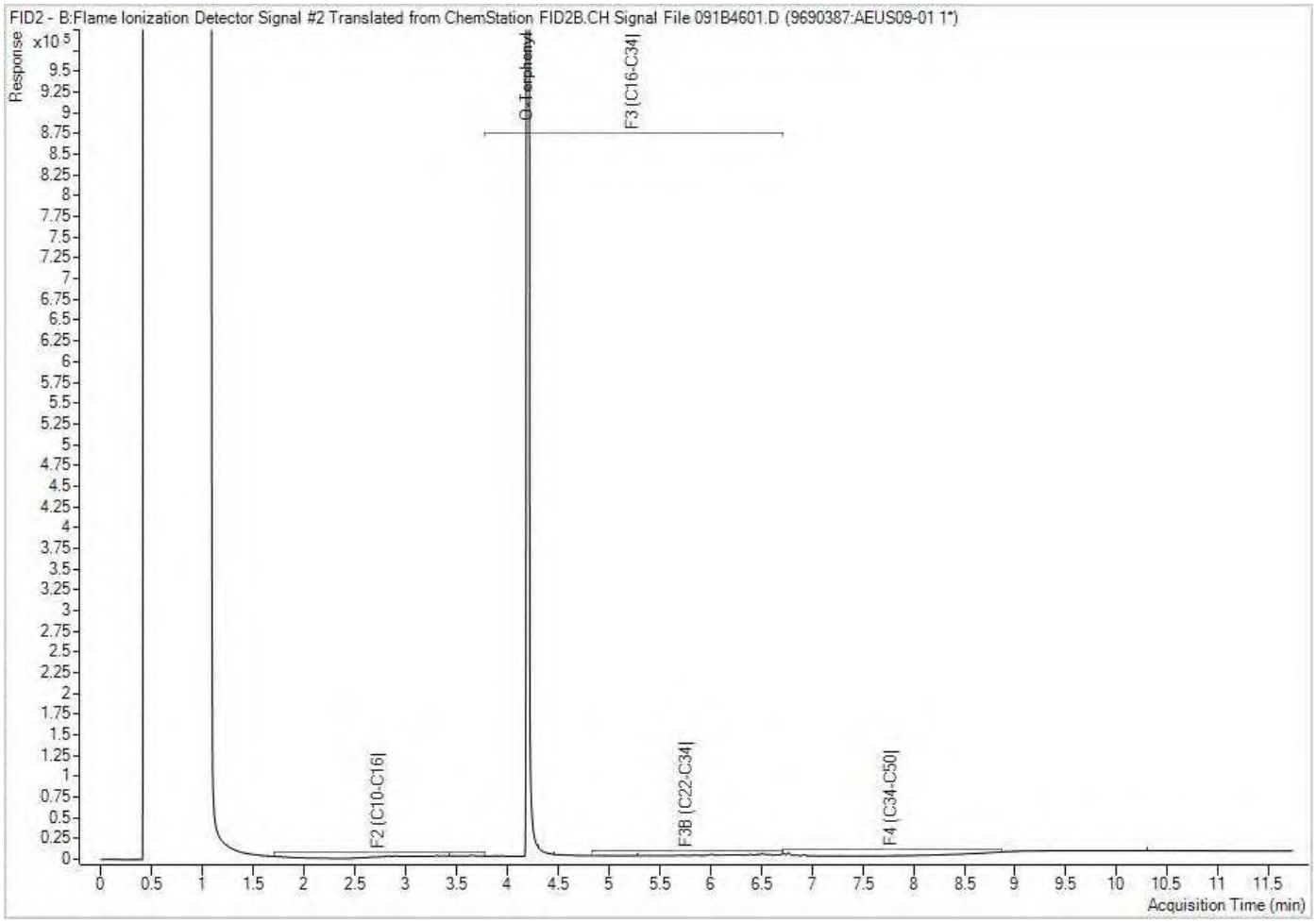


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C4V1243
Report Date: 2024/10/11
Bureau Veritas Sample: AEUS09

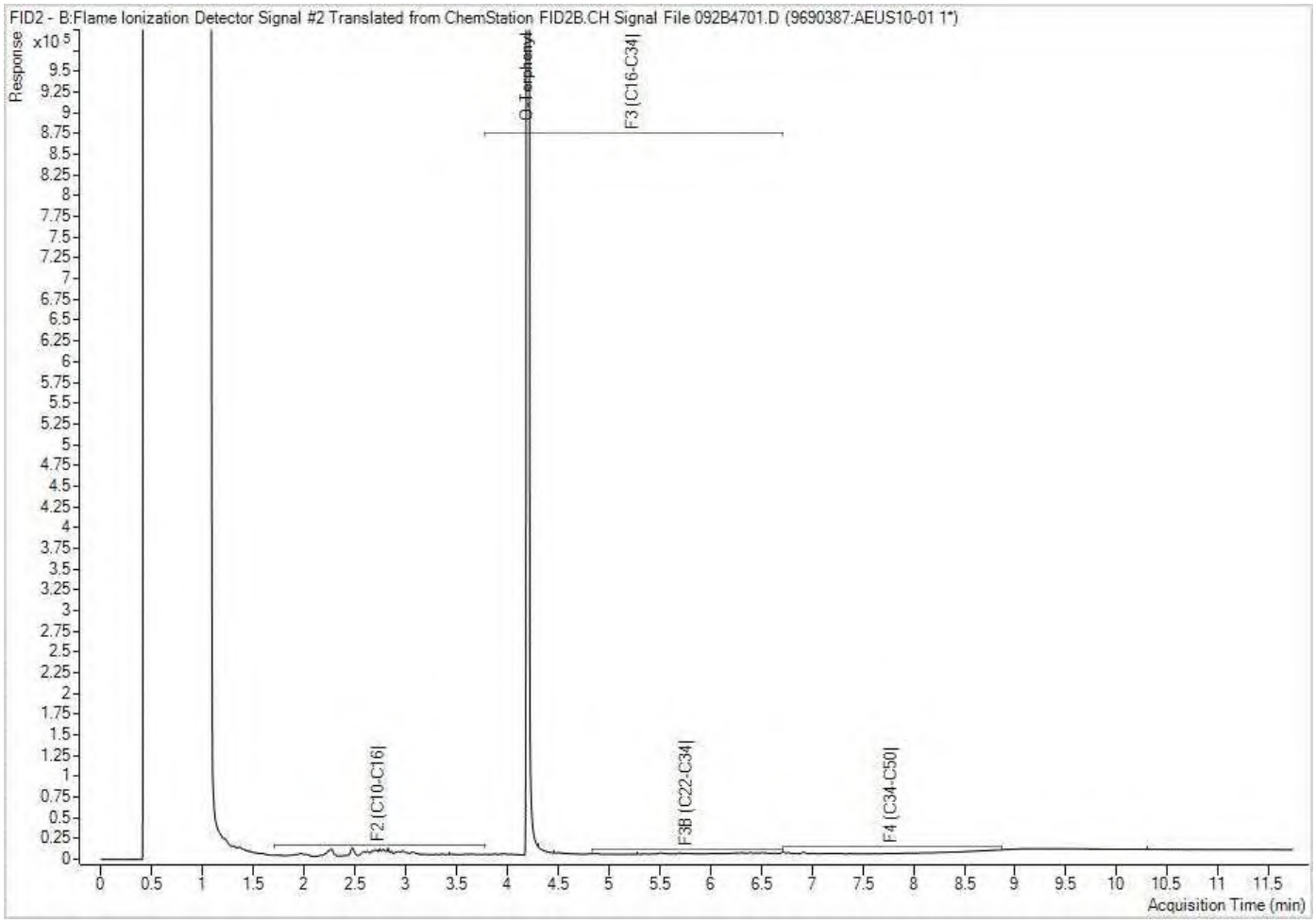
BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Project name: 1310 SOUTH SERVICE ROAD
Client ID: TP6-3.0

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

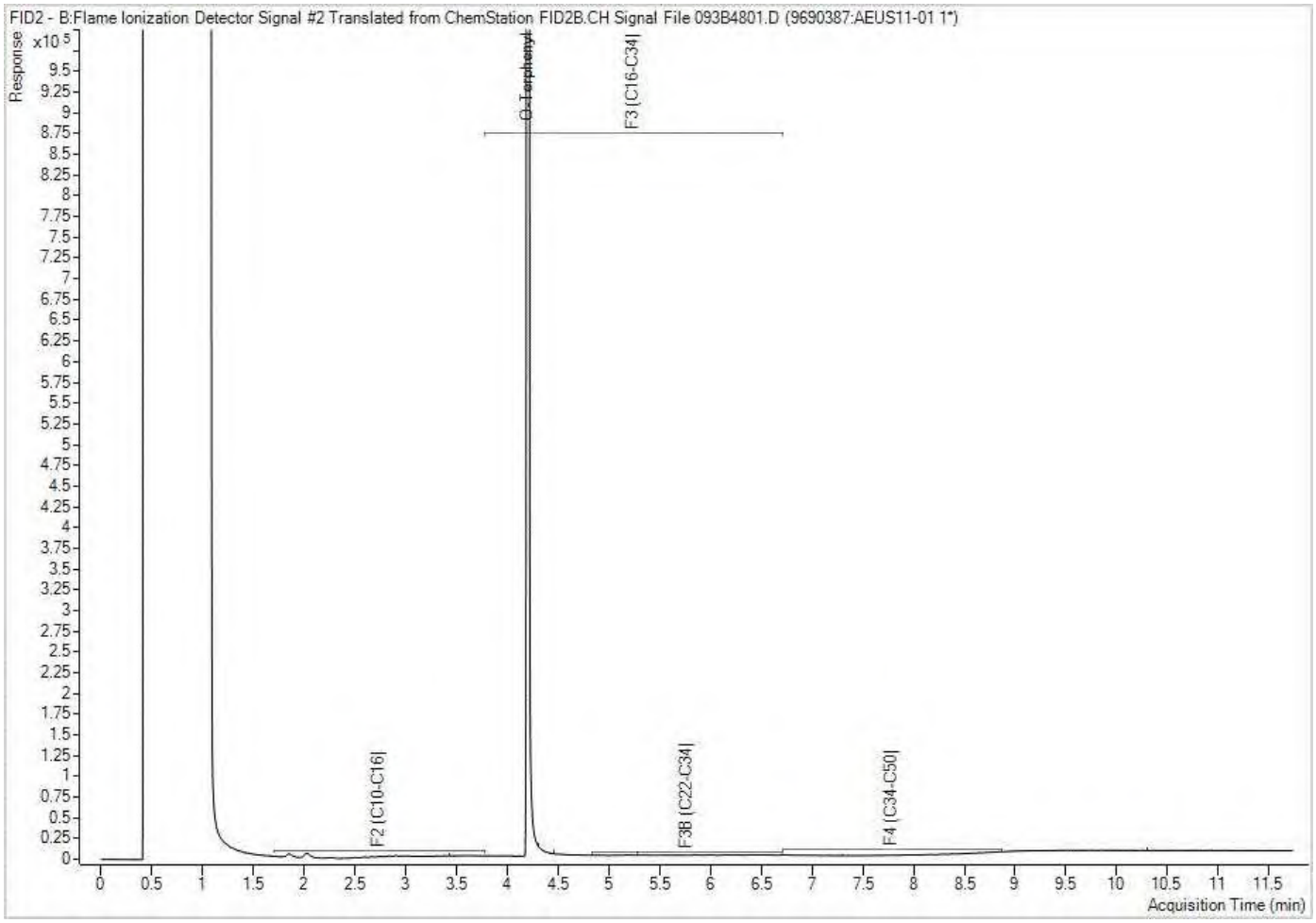


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C4V1243
Report Date: 2024/10/11
Bureau Veritas Sample: AEUS11

BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Project name: 1310 SOUTH SERVICE ROAD
Client ID: TP11-2.0

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

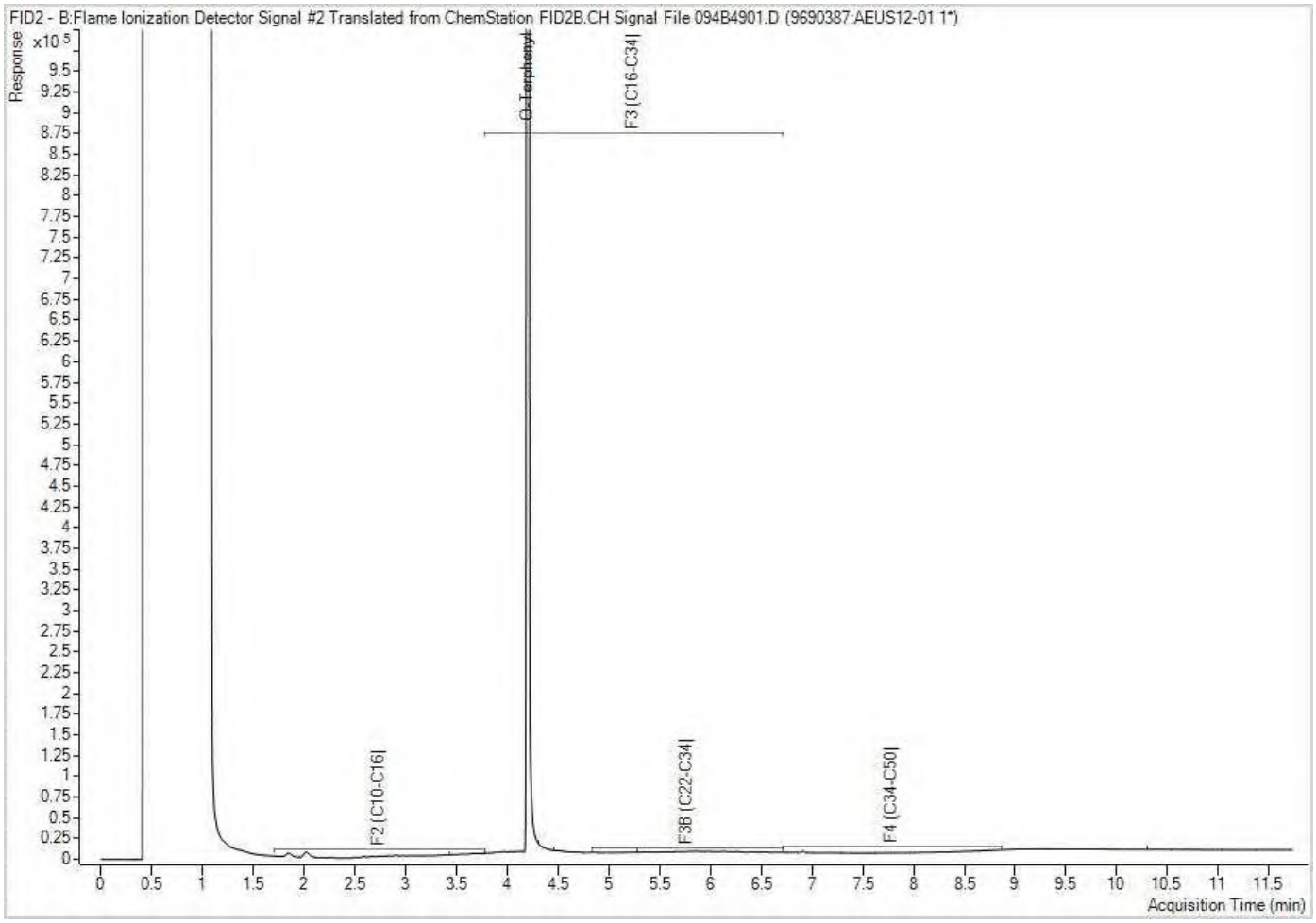


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C4V1243
Report Date: 2024/10/11
Bureau Veritas Sample: AEUS12

BLUEFROG ENVIRONMENTAL CONSULTING INC.
Client Project #: 0138-001.03
Project name: 1310 SOUTH SERVICE ROAD
Client ID: TP7-3.0

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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