



# Phase II Environmental Site Investigation

**Active Petro-Canada Retail Fuel Outlet No. 35197**  
**4000 Riverside Drive, Ottawa, Ontario**

## **Suncor Energy Products Partnership**

3275 Rebecca Street, Oakville, ON L6L 6N5

Prepared by:

**SLR Consulting (Canada) Ltd.**

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SLR Project No.: 216.030059.00002

November 25, 2024

Revision: 0

## Revision Record

| Revision | Date              | Prepared By        | Checked By      | Authorized By |
|----------|-------------------|--------------------|-----------------|---------------|
| 0        | November 25, 2024 | Robert Worthington | Matt Williamson | Mike Grinnell |
|          |                   |                    |                 |               |



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## General

**Report Date:** November 25, 2024 **SLR Project No.:** 216.030059.00002

**Suncor Authorization:** Kelly Klassen **Suncor Outlet No.:** 35197

**Prepared by** Matt Williamson, M.Sc., P.Geo.

**Reviewed by** Mike Grinnell, P.Eng.

**Project Name:** Phase II Environmental Site Investigation

**Property Address:** 4000 Riverside Drive Ottawa ON  
Street City Province

**Purpose of Assessment:** The objective of this program was to assess the current soil and groundwater conditions potentially relating to the current service station operations at the Site.

**Previous Environmental Site Assessments:**

- Limited Phase I Environmental Site Assessment, Active Petro-Canada Retail Fuel Outlet No. 35197, 4000 Riverside Drive, Ottawa, ON. Prepared by SLR, dated April 29, 2024.
- Environmental Subsurface Investigation, Petro Canada, 4000 Riverside Drive, Ottawa, Ontario. Prepared by Jacques Whitford Environment Ltd., dated December 12, 2003.
- Geotechnical Investigation, Petro Canada, 4000 Riverside Drive, Ottawa, Ontario. Prepared by Jacques Whitford and Associates Ltd., dated March 28, 2003.
- Preliminary Geotechnical Investigation, 4059930 Canada Inc. Prepared by John D. Paterson and Associates Ltd., dated May 24, 2002.
- Phase I-II Environmental Site Assessment, 4059930 Canada Inc., Riverside Drive at Hunt Club Road, Ottawa, Ontario. Prepared by John D. Paterson and Associates Ltd., dated May 13, 2002.



## Property Characteristics

(Figure 1)

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Local Drinking Water Supply:</b>     | The Site and local residences are connected to a municipal water supply sourced from the Ottawa River <sup>1</sup> .                                                                                                                                                                                                                                                                               |
| <b>Groundwater Usage:</b>               | Local residences are principally sourced by municipal water. Potable drinking water wells were not identified within the 250-metre search radius of the Site <sup>2</sup> .                                                                                                                                                                                                                        |
| <b>Topography and Surface Drainage:</b> | The property is relatively flat with the relief generally prevailing topography sloping to the west towards the Rideau River. There is an approximate grade change of 25 m between the Site and the Rideau River. Surface drainage is locally controlled by storm water catch basins on the Site.                                                                                                  |
| <b>Proximity to Surface Water:</b>      | No natural surface water bodies were identified within 30 m of the site. The nearest water body is the Rideau River, located approximately 90 metres west of the Site.                                                                                                                                                                                                                             |
| <b>Present Land Use:</b>                | The property is currently occupied by a retail fuel outlet. The property is zoned as light industrial (IL), under By-law 2008-250. <sup>3</sup>                                                                                                                                                                                                                                                    |
| <b>Existing Surface Facilities:</b>     | Existing surface facilities include a pump island, car wash, garbage storage shed and kiosk. At the time of the investigation the pump island included four dispensers.                                                                                                                                                                                                                            |
| <b>Existing Underground Facilities:</b> | Underground facilities include three underground storage tank (USTs) containing gasoline, the associated underground product piping, and two oil/water separators. The Site is currently serviced by municipal water, sanitary sewer, storm water, underground hydro, natural gas, and communication utilities. A public storm sewer dissects the Site located in two easements crossing the Site. |
| <b>Adjacent Land Use:</b>               | East: Riverside Drive followed by Commercial (Hunt Club Marketplace)<br>North: Vacant land and Hunt Club Road followed by vacant land<br>West: Vacant land followed by the Rideau River<br>South: Commercial (St. Hubert's Restaurant)                                                                                                                                                             |

<sup>1</sup> City of Ottawa. 2023. Annual Report on Drinking Water Quality. Available at [https://www.documents.ottawa.ca/site/default/files/2023\\_annualreport\\_britannia\\_en.pdf](https://www.documents.ottawa.ca/site/default/files/2023_annualreport_britannia_en.pdf).

<sup>2</sup> MECP, 2024. Map: Well Records. Available at <https://www.ontario.ca/page/map-well-records>.

<sup>3</sup> City of Ottawa. No Date. New Zoning By-Law 3D Interactive Map (By-Law 2008-250).



**Applicable Standards:**

The site condition standards presented in the MECP document entitled "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*", April 15, 2011, were used to assess the Site. The following rationale was used for the selection of the appropriate site condition standards:

- The Site and local residences are connected to a municipal water supply sourced from the Ottawa River. Domestic water well records were not identified within a 250 m radius of the Site in the water well record database as described above.
- The portion of the property with the service station is considered a commercial use as defined in O. Reg. 153/04 (as amended). The Site is currently zoned as light industrial.
- Bedrock was not encountered in the borehole locations, and as such the Site is not considered a shallow soil property.
- Grain size analytical results for soil samples submitted from the site indicated that site soils can be considered coarse textured as defined by O.Reg. 153/04.
- No natural surface water bodies were identified within 30 m of the site.
- The Site is not considered to be within an environmentally sensitive area, based on the following:
  - o The Site is not within, adjacent or include lands that are within 30 metres of area of natural significance<sup>4</sup>; and,
  - o Soil pH samples verified that pH at the Site ranges between 5 and 9.
- Based on the above noted information, the applicable site condition standards were determined to be the "*Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition*" (herein referred to as the "MECP Table 3 Standards") for coarse textured soils and industrial/commercial/community property use.

## Property Investigation

(Figure 2)

**Investigation Date(s):**

September 26, October 1 to 3; October 7 to 10, 2024 (intrusive program)  
October 16 and 18, 2024 (groundwater program)

**Monitoring Date(s):**

October 16, 2024 (groundwater monitoring of newly installed on-site wells)

**Investigation Methodology:**

A total of nine boreholes (BH24-01 to BH24-09) were drilled or sampled to assess the existing soil conditions on the property. Two of the boreholes were instrumented as monitoring wells (BH24-06 and BH24-08). The two newly installed monitoring wells, BH24-06 and BH24-08, were used to characterize hydrogeology, to determine concentrations of contaminants of concerns in groundwater, to confirm the presence or absence of light non-aqueous phase liquids (LNAPL), and to determine groundwater elevations and gradient.

<sup>4</sup> City of Ottawa Official Plan, 2022. Schedule 11S – Natural Heritage System (West).



|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Drill Rig / Backhoe:</b>  | The drilling program was conducted utilizing a CME-75 truck-mounted drill rig and operated by Geo-Environmental Drilling Inc. (GEDI) of Halton Hills, Ontario.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Field Procedures:</b>     | <p>Public and private locates were completed prior to the work. Badger Daylighting (Badger) of Carp, Ontario, completed hydro-vacuuming of each borehole. GEDI of Halton Hills, Ontario, completed drilling of each borehole.</p> <p>Prior to drilling of each borehole, each location was daylighted to 2.4 metres below ground surface (mbgs) to verify utility clearance. Daylighting activities were completed by Badger, under direct supervision of SLR, between October 1 and October 3, 2024. GEDI, an MECP licensed drilling contractor, completed the drilling activities under direct supervision of SLR between October 7 and October 10, 2024.</p> <p>The boreholes (BH24-01 to BH24-09) were drilled using a truck-mounted CME 75 drill rig. The boreholes were advanced to a maximum depth of 5.2 mbgs (BH24-02), 6.7 mbgs (BH24-01, BH24-03 through BH24-05, and BH24-07), 8.2 mbgs (BH24-09), or 17.4 mbgs (BH24-06 and BH24-08).</p> <p>To relate the groundwater elevations, a vertical survey was completed to determine the associated water wells relative to a local datum. The vertical survey was completed by J.D. Barnes Ltd. on October 16, 2024. Both newly installed monitoring wells, BH24-06 and BH24-08, were developed prior to groundwater sampling. The wells were then allowed more than 48 hours to equilibrate prior to sampling and monitoring. SLR sampled groundwater from newly installed monitoring wells BH24-06 and BH24-08 on the Site, on October 18, 2024.</p> |
| <b>Boreholes:</b>            | BH24-01 to BH24-09, inclusive.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Surface Sample:</b>       | None completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Test Pits:</b>            | None completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Monitoring Wells:</b>     | BH24-06 and BH24-08 were instrumented as monitoring wells as part of this program.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Existing Wells:</b>       | No existing monitoring wells on-site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Soil Analyses:</b>        | Twenty-five soil samples and two blind field duplicate (BFD) samples were submitted for laboratory analysis of one or more of BTEX and PHCs, VOCs, PAHs, Metals and Inorganics, and Glycols. Twelve soil samples were submitted for pH and five for grain size analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Groundwater Analyses:</b> | Two groundwater samples, one BFD sample, a field blank, and a trip blank were submitted for laboratory analysis of one or more of dissolved BTEX and PHC F1 to F4, VOCs, PAHs, dissolved metals, and glycols for newly installed monitoring wells on October 18, 2024.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Soil Vapour Analyses:</b> | No vapour samples completed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



|                           |                                                                                                                                                                                                                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Quality Review</b>     | A summary of laboratory Quality Assurance (QA) and Quality Control (QC) is provided in Appendix C. Field QA/QC testing was conducted in the form of BFDs for soil (two BFDs) and groundwater (one BFD), field blank (one) and trip blank (one) for groundwater.                                             |
| <b>Other Information:</b> | Boreholes BH24-01 through BH24-04 were relocated due to utility conflicts. Grain size and soil pH samples were collected to confirm Site condition Standards.<br>One drill cutting sample was analysed to determine suitability for landfill disposal using the toxicity characteristic leachate procedure. |

## Results

(Tables 1 through 13 and Figures 3 through 13)

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Soil Type(s):</b>                    | The subsurface geology encountered at the Site during the drilling program consisted of a layer of fill underlying asphalt to a maximum depth of between 0.5 to 2.4 mbgs. Below this fill material was principally sand to a maximum depth of 17.4 mbgs. Five representative soil samples were submitted for grain size analysis and determined soils were coarse grained as defined by O.Reg. 153/04.<br>The detailed soil stratigraphy encountered at each investigation location is presented in the borehole logs which are provided in Appendix A.                                                                                                                      |
| <b>Bedrock Type(s):</b>                 | Bedrock was not encountered in the borehole locations investigated up to the maximum boring termination depth of 17.4 mbgs. Bedrock was not encountered in previous investigations in 2002 and 2003, where maximum depths of 15.2 and 25.0 metres below ground surface were reached, respectively.                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Soil Headspace Vapour Testing:</b>   | The results of the headspace vapour readings collected during drilling (using a RKI Eagle II as previously described) are summarized below: <ul style="list-style-type: none"><li>Headspace vapour concentrations measured during drilling ranged from 0 ppm at multiple samples and locations to 35 ppm (hexane), noted in BH24-04 at a depth ranging from approximately 3.00 to 3.60 mbgs.</li></ul> The relative organic vapour concentrations measured from the soil sample headspace using the RKI Eagle II and the location of the soil samples collected (excluding the sample for waste characterization analysis) are presented in the borehole logs in Appendix A. |
| <b>Groundwater:</b>                     | Groundwater levels were measured and recorded from newly installed monitoring wells on October 16, 2024 (prior to development). All groundwater levels and groundwater elevations are presented in appended Table 1.<br>On October 16, 2024, groundwater ranged from 16.37 mbgs (at BH24-08) to 16.56 mbgs (at BH24-06). Groundwater elevations ranged from 86.22 m (at BH24-06) to 86.69 m (at BH24-08).                                                                                                                                                                                                                                                                    |
| <b>Light Non Aqueous Phase Liquids:</b> | Light non-aqueous phase liquids were not encountered during the monitoring events completed on October 16, 2024.<br>See Table 1 for details.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



**Monitoring Well Headspace Vapours:** Headspace vapours were collected from monitoring wells using an RKI Eagle II as follows:

- During the October 16<sup>th</sup> event, headspace vapour concentrations ranged from 0 ppm (BH24-08) and 10 ppm (BH24-06).

See Table 1 for details.

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**Soil Analyses:** All analyzed soil samples had BTEX and PHC F1 to F4, VOCs, PAHs, metals and inorganics (SAR, EC) were below the applicable Table 3 site condition standard except for the following:

- One exceedance for Electrical Conductivity at BH24-07\_2-2.45M; and
- One exceedance for Sodium Absorption Ratio at BH24-07\_2-2.45M.

Refer to Table 3 through 7 and Figure 4 through 8 for details. A soil sample collected for landfill characterization was considered non-hazardous as seen in Table 8. Copies of the laboratory certificates of analyses are attached for reference (Appendix C).

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**Groundwater Analyses:** Groundwater samples submitted for analyses from newly installed monitoring wells (MW24-06 and MW24-08) had concentrations below the applicable Table 3 site condition standard for all of the analyzed parameters: BTEX and PHC F1 to F4, VOCs, PAHs, dissolved metals and glycols.

Refer to Table 9 to 13 and Figure 9 to 13 for details. Copies of the laboratory certificates of analyses are attached for reference (Appendix C).

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**Soil Vapour Analyses:** Not completed.

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**Quality Review** The SLR QA/QC data quality review is included in Appendix D. See laboratory certificates of analysis reports in Appendix C for laboratory QA/QC analysis. Four quality flags were described as noted in the Appendix D. These quality flags are not considered to have material impact on the interpretation of the data.

The soil and groundwater data are considered reliable for use in this report.

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**Other Analyses:** Grain size analysis and soil pH were collected from select locations to confirm the Site condition standards:

The results were as follows as summarized in Table 2:

- BH24-02\_0.5-1M (0.5-1.0 mbgs) – 96% > 75 microns, coarse grained
- BH24-06\_9.14-9.75 (9.14-9.75 mbgs) – 93% > 75 microns, coarse grained
- BH24-06\_16.76-17.37 (16.76-17.37 mbgs) – 90% > 75 microns, coarse grained
- BH24-07\_6.09-6.70 (6.09-6.70 mbgs) – 94 % > 75 microns, coarse grained
- BH24-08\_1-1.5M (1.0-1.5 mbgs) – 96 % > 75 microns, coarse grained
- Shallow soil pH range (< 1.5 mbgs) – 6.94 to 7.81 pH units
- Subsurface soil pH range (> 1.5 mbgs) – 7.62 to 8.01 pH units

Based on the grain size analysis results and available reports for the Site the soil type is considered coarse-grained. The soil pH samples collected were all within the acceptable pH ranges for surface and subsurface soils.

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## Closure

The subsurface investigation report was prepared by SLR Consulting (Canada) Ltd. (SLR). The findings and conclusion of this report were prepared under the supervision and direction of the undersigned.

Regards,

**SLR Consulting (Canada) Ltd.**



Nov. 25, 2024

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## Attachments

### Tables

- Table 1: Summary of Groundwater Monitoring Results
- Table 2: Summary of Soil Analytical Results - Physicochemical
- Table 3: Summary of Soil Analytical Results - Petroleum Hydrocarbons
- Table 4: Summary of Soil Analytical Results - Volatile Organic Compounds
- Table 5: Summary of Soil Analytical Results - Polycyclic Aromatic Hydrocarbons
- Table 6: Summary of Soil Analytical Results - Metals and Inorganics
- Table 7: Summary of Soil Analytical Results - Glycols
- Table 8: Summary of Soil Analytical Results - Waste Classification
- Table 9: Summary of Groundwater Analytical Results - Petroleum Hydrocarbons
- Table 10: Summary of Groundwater Analytical Results - Volatile Organic Compounds
- Table 11: Summary of Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons
- Table 12: Summary of Groundwater Analytical Results - Dissolved Metals
- Table 13: Summary of Groundwater Analytical Results - Glycols

### Figures

- Figure 1: Site Location and Surrounding Land Use
- Figure 2: Site Plan and Sampling Locations
- Figure 3: Groundwater Elevation Plan - October 16, 2024
- Figure 4: Soil Analytical Results - Petroleum Hydrocarbons
- Figure 5: Soil Analytical Results - Volatile Organic Compounds
- Figure 6: Soil Analytical Results - Polycyclic Aromatic Hydrocarbons
- Figure 7: Soil Analytical Results - Metals and Inorganics
- Figure 8: Soil Analytical Results - Glycols
- Figure 9: Groundwater Analytical Results - Petroleum Hydrocarbons
- Figure 10: Groundwater Analytical Results - Volatile Organic Compounds
- Figure 11: Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons
- Figure 12: Groundwater Analytical Results - Dissolved Metals
- Figure 13: Groundwater Analytical Results - Glycols



## **Appendices**

|                   |                                            |
|-------------------|--------------------------------------------|
| <b>Appendix A</b> | <b>Field Methods</b>                       |
| <b>Appendix B</b> | <b>Borehole Logs</b>                       |
| <b>Appendix C</b> | <b>Laboratory Certificates of Analysis</b> |
| <b>Appendix D</b> | <b>Data Quality Review</b>                 |





# Tables

## **Phase II Environmental Site Investigation**

Active Petro-Canada Retail Fuel Outlet No. 35197  
4000 Riverside Drive, Ottawa, Ontario

**Suncor Energy Products Partnership**

SLR Project No.: 216.030059.00002

November 25, 2024

Table 1: Groundwater Monitoring Results

| Monitoring Well ID<br>(Sample Location) | Top of Riser Elevation <sup>1,2</sup><br>(m) | Ground Surface Elevation <sup>1,2</sup><br>(m) | Screened Interval<br>(mbgs) | Date        | HSVL<br>(ppmv) | Depth to Water<br>(m bTOC) | Depth to Water<br>(mbg) <sup>2</sup> | LNAPL Thickness<br>(m) | Groundwater Elevation<br>(m) |
|-----------------------------------------|----------------------------------------------|------------------------------------------------|-----------------------------|-------------|----------------|----------------------------|--------------------------------------|------------------------|------------------------------|
| MW24-06                                 | 102.69                                       | 102.77                                         | 14.9 - 17.4                 | 2024-Oct-18 | 10             | 16.48                      | 16.56                                | nd                     | 86.21                        |
| MW24-08                                 | 102.97                                       | 103.06                                         | 14.9 - 17.4                 | 2024-Oct-18 | 0              | 16.27                      | 16.37                                | nd                     | 86.69                        |

Notes:

<sup>1</sup> Elevations are relative to ground elevation survey completed by JD Barnes on October 16 relative to City of Ottawa LRT Benchmark No. 2016 0328 with published elevation of 82.49 m  
m - metres  
ppmv - parts per million by volume  
LNAPL - light non-aqueous phase liquid  
TOC - top of casing  
HSVL - combustible headspace vapour levels  
mbTOC - metres below top of casing  
mbg - metres below grade  
nd - non detect  
n/a - not applicable

Shading denotes most recent monitoring event



| TABLE 2: SOIL -<br>PHYSIOCHEMICAL               | Particle Size |           | pH (Lab)   |
|-------------------------------------------------|---------------|-----------|------------|
|                                                 | % < 0.075 mm  | % > 75µm  |            |
|                                                 | %             | %         | pH Units   |
| Reported Detection Limit                        | 1             | 1         |            |
| <b>ON Soil Table 3 I/C/C Non-Potable Coarse</b> | <b>ng</b>     | <b>ng</b> | <b>5-9</b> |

| Sample ID           | Sample Location | Sample Depth (mbg) | Sample Date |    |    |      |
|---------------------|-----------------|--------------------|-------------|----|----|------|
| BH24-01_1-1.5M      | BH24-01         | 1.0 - 1.5          | 2024-Oct-2  | -  | -  | 7.42 |
| BH24-02_0.5-1M      | BH24-02         | 0.5 - 1.0          | 2024-Oct-3  | 4  | 96 | -    |
| BH24-02_2-2.4M      |                 | 2.0 - 2.4          | 2024-Oct-3  | -  | -  | 7.9  |
| BH24-03_0.5-1M      | BH24-03         | 0.5 - 1.0          | 2024-Oct-3  | -  | -  | 6.94 |
| BH24-04_0.5-1M      | BH24-04         | 0.5 - 1.0          | 2024-Oct-3  | -  | -  | 7.05 |
| BH24-04_6.09-6.70   |                 | 6.1 - 6.7          | 2024-Oct-10 | -  | -  | 8.01 |
| BH24-05_1-1.5M      | BH24-05         | 1.0 - 1.5          | 2024-Oct-2  | -  | -  | 6.99 |
| BH24-06_1.5-2M      | BH24-06         | 1.5 - 2.0          | 2024-Oct-2  | -  | -  | 7.63 |
| BH24-06_9.14-9.75   |                 | 9.1 - 9.8          | 2024-Oct-8  | 7  | 93 | -    |
| BH24-06_16-16.61    |                 | 16.0 - 16.6        |             | 10 | 90 | -    |
| BH24-07_2-2.45M     | BH24-07         | 2.0 - 2.5          | 2024-Oct-2  | -  | -  | 7.78 |
| BH24-07_6.09-6.70   |                 | 6.1 - 6.7          | 2024-Oct-10 | 6  | 94 | 7.95 |
| BH24-08_1-1.5M      | BH24-08         | 1.0 - 1.5          | 2024-Oct-1  | 4  | 96 | 7.81 |
| BH24-08_16.76-17.37 |                 | 16.8 - 17.4        | 2024-Oct-9  | -  | -  | 7.9  |
| DUP-2               |                 |                    | 2024-Oct-9  | -  | -  | 7.84 |
| BH24-09_2-2.45M     | BH24-09         | 2.0 - 2.5          | 2024-Oct-1  | -  | -  | 7.62 |

#### Standard/Guideline Descriptions

- ON Soil Table 3 I/C/C Non-Potable Coarse: Ontario Soil Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial/Community Property Use, Coarse

#### Notes:

- formatting of cells indicates exceedances of like-formatted standards

ng - no guideline

mbg - metres below grade

µm - micrometres

% - percent

> - denotes particle size greater than 75 micrometres



**TABLE 3: SOIL -  
PETROLEUM HYDROCARBONS**

| TABLE 3: SOIL -<br>PETROLEUM HYDROCARBONS | Petroleum Hydrocarbons                   |         |              |                |                           |                                       |                           |                           |                           |      |
|-------------------------------------------|------------------------------------------|---------|--------------|----------------|---------------------------|---------------------------------------|---------------------------|---------------------------|---------------------------|------|
|                                           | Benzene                                  | Toluene | Ethylbenzene | Xylene Mixture | Petroleum Hydrocarbons F1 | Petroleum Hydrocarbons F1 (less BTEX) | Petroleum Hydrocarbons F2 | Petroleum Hydrocarbons F3 | Petroleum Hydrocarbons F4 |      |
|                                           | µg/g                                     | µg/g    | µg/g         | µg/g           | µg/g                      | µg/g                                  | µg/g                      | µg/g                      | µg/g                      |      |
|                                           | Reported Detection Limit                 | 0.006   | 0.02         | 0.01           | 0.02                      | 10                                    | 10                        | 7                         | 50                        | 50   |
|                                           | ON Soil Table 3 I/C/C Non-Potable Coarse | 0.32    | 68           | 9.5            | 26                        | 55                                    | 55                        | 230                       | 1700                      | 3300 |
|                                           |                                          |         |              |                |                           |                                       |                           |                           |                           |      |
|                                           |                                          |         |              |                |                           |                                       |                           |                           |                           |      |
|                                           |                                          |         |              |                |                           |                                       |                           |                           |                           |      |
|                                           |                                          |         |              |                |                           |                                       |                           |                           |                           |      |
|                                           |                                          |         |              |                |                           |                                       |                           |                           |                           |      |

| Sample ID           | Sample Location | Sample Depth (mbg) | Sample Date |        |       |       |       |     |     |    |     |     |
|---------------------|-----------------|--------------------|-------------|--------|-------|-------|-------|-----|-----|----|-----|-----|
| BH24-01_1-1.5M      | BH24-01         | 1.0 - 1.5          | 2024-Oct-2  | <0.006 | <0.02 | <0.01 | <0.02 | <10 | <10 | <7 | <50 | <50 |
| BH24-01_6.09-6.7    |                 | 6.1 - 6.7          | 2024-Oct-9  | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-02_2-2.4M      | BH24-02         | 2.0 - 2.4          | 2024-Oct-3  | <0.006 | <0.02 | <0.01 | <0.02 | <10 | <10 | <7 | <50 | <50 |
| BH24-02_4.57-5.02   |                 | 4.6 - 5.0          | 2024-Oct-10 | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-03_0.5-1M      | BH24-03         | 0.5 - 1.0          | 2024-Oct-3  | <0.006 | <0.02 | <0.01 | <0.02 | <10 | <10 | <7 | <50 | <50 |
| BH24-03_6.09-6.7    |                 | 6.1 - 6.7          | 2024-Oct-8  | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-04_0.5-1M      | BH24-04         | 0.5 - 1.0          | 2024-Oct-3  | <0.006 | <0.02 | <0.01 | <0.02 | <10 | <10 | <7 | <50 | <50 |
| BH24-04_3.04-3.65   |                 | 3.0 - 3.7          | 2024-Oct-10 | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-04_6.09-6.70   |                 | 6.1 - 6.7          |             | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-05_1-1.5M      | BH24-05         | 1.0 - 1.5          | 2024-Oct-2  | <0.006 | <0.02 | <0.01 | <0.02 | <10 | <10 | <7 | <50 | <50 |
| BH24-05_6.09-6.70   |                 | 6.1 - 6.7          | 2024-Oct-7  | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-06_1.5-2M      | BH24-06         | 1.5 - 2.0          | 2024-Oct-2  | <0.006 | <0.02 | <0.01 | <0.02 | <10 | <10 | <7 | <50 | <50 |
| BH24-06_8.38-9.0    |                 | 8.4 - 9.0          | 2024-Oct-8  | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-06_11.43-12.04 |                 | 11.4 - 12.0        |             | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-06_16-16.61    |                 | 16.0 - 16.6        |             | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| DUP-1               |                 | 16.0 - 16.6        |             | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-07_2-2.45M     | BH24-07         | 2.0 - 2.5          | 2024-Oct-2  | <0.006 | <0.02 | <0.01 | <0.02 | <10 | <10 | <7 | <50 | <50 |
| BH24-07_6.09-6.70   |                 | 6.1 - 6.7          | 2024-Oct-10 | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-08_1-1.5M      | BH24-08         | 1.0 - 1.5          | 2024-Oct-1  | <0.006 | <0.02 | <0.01 | <0.02 | <10 | <10 | <7 | <50 | <50 |
| BH24-08_6.09-6.70   |                 | 6.1 - 6.7          | 2024-Oct-9  | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-08_11.43-12.04 |                 | 11.4 - 12.0        |             | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-08_16.76-17.37 |                 | 16.8 - 17.4        |             | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| DUP-2               |                 |                    |             | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |
| BH24-09_2-2.45M     | BH24-09         | 2.0 - 2.5          | 2024-Oct-1  | <0.006 | <0.02 | <0.01 | <0.02 | <10 | <10 | <7 | <50 | <50 |
| BH24-09_6.85-7.45   |                 | 6.9 - 7.5          | 2024-Oct-10 | <0.02  | <0.02 | <0.02 | <0.04 | <10 | <10 | <7 | <50 | <50 |

#### Standard/Guideline Descriptions

- ON Soil Table 3 I/C/C Non-Potable Coarse: Ontario Soil Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial/Community Property Use, Coarse

#### Notes:

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures
- samples collected from the same location, date and depth interval are blind field duplicate/parent sample pairs

< - less than reported detection limit

mbg - metres below grade

BTEX - benzene, toluene, ethylbenzene, xylenes

µg/g - micrograms per gram



| TABLE 4: SOIL -<br>VOLATILE ORGANIC COMPOUNDS |                 |                    |             | VOCs    |                      |           |              |                      |               |            |                      |                       |                       |                       |                         |                      |                      |                        |                            |                              |                       |                       |                           |                             |                    |            |                    |                           |                              |                                |         |                             |                             |                     |                         |                         |                   |                        |                |       |        |      |
|-----------------------------------------------|-----------------|--------------------|-------------|---------|----------------------|-----------|--------------|----------------------|---------------|------------|----------------------|-----------------------|-----------------------|-----------------------|-------------------------|----------------------|----------------------|------------------------|----------------------------|------------------------------|-----------------------|-----------------------|---------------------------|-----------------------------|--------------------|------------|--------------------|---------------------------|------------------------------|--------------------------------|---------|-----------------------------|-----------------------------|---------------------|-------------------------|-------------------------|-------------------|------------------------|----------------|-------|--------|------|
|                                               |                 |                    |             | Acetone | Bromodichloromethane | Bromoform | Bromomethane | Carbon Tetrachloride | Chlorobenzene | Chloroform | Dibromochloromethane | Dichlorobenzene, 1,2- | Dichlorobenzene, 1,3- | Dichlorobenzene, 1,4- | Dichlorodifluoromethane | Dichloroethane, 1,1- | Dichloroethane, 1,2- | Dichloroethylene, 1,1- | Dichloroethylene, 1,2-cis- | Dichloroethylene, 1,2-trans- | Dichloropropane, 1,2- | Dichloropropane, 1,3- | Dichloropropane, 1,3-cis- | Dichloropropane, 1,3-trans- | Ethylene dibromide | Hexane (n) | Methylene chloride | Methyl Ethyl Ketone (MEK) | Methyl Isobutyl Ketone (MIK) | Methyl tert-Butyl Ether (MTBE) | Styrene | Tetrachloroethane, 1,1,1,2- | Tetrachloroethane, 1,1,2,2- | Tetrachloroethylene | Trichloroethane, 1,1,1- | Trichloroethane, 1,1,2- | Trichloroethylene | Trichlorofluoromethane | Vinyl chloride |       |        |      |
|                                               |                 |                    |             | µg/g    | µg/g                 | µg/g      | µg/g         | µg/g                 | µg/g          | µg/g       | µg/g                 | µg/g                  | µg/g                  | µg/g                  | µg/g                    | µg/g                 | µg/g                 | µg/g                   | µg/g                       | µg/g                         | µg/g                  | µg/g                  | µg/g                      | µg/g                        | µg/g               | µg/g       | µg/g               | µg/g                      | µg/g                         | µg/g                           | µg/g    | µg/g                        | µg/g                        | µg/g                | µg/g                    | µg/g                    | µg/g              | µg/g                   | µg/g           | µg/g  | µg/g   | µg/g |
|                                               |                 |                    |             | 16      | 18                   | 0.61      | 0.05         | 0.21                 | 2.4           | 0.47       | 13                   | 6.8                   | 9.6                   | 0.2                   | 16                      | 17                   | 0.05                 | 0.06                   | 55                         | 1.3                          | 0.16                  | 0.18                  |                           | 0.05                        | 46                 | 1.6        | 70                 | 31                        | 11                           | 34                             | 0.09    | 0.05                        | 4.5                         | 6.1                 | 0.05                    | 0.91                    | 4                 | 0.032                  |                |       |        |      |
| Reported Detection Limit                      |                 |                    |             | 0.49    | 0.04                 | 0.04      | 0.04         | 0.04                 | 0.04          | 0.04       | 0.04                 | 0.04                  | 0.04                  | 0.04                  | 0.04                    | 0.04                 | 0.04                 | 0.04                   | 0.04                       | 0.04                         | 0.04                  | 0.04                  | 0.04                      | 0.04                        | 0.04               | 0.04       | 0.04               | 0.04                      | 0.04                         | 0.04                           | 0.04    | 0.04                        | 0.04                        | 0.04                | 0.04                    | 0.04                    | 0.04              | 0.04                   | 0.04           | 0.04  | 0.04   |      |
| ON Soil Table 3 I/C/C Non-Potable Coarse      |                 |                    |             | 16      | 18                   | 0.61      | 0.05         | 0.21                 | 2.4           | 0.47       | 13                   | 6.8                   | 9.6                   | 0.2                   | 16                      | 17                   | 0.05                 | 0.06                   | 55                         | 1.3                          | 0.16                  | 0.18                  |                           | 0.05                        | 46                 | 1.6        | 70                 | 31                        | 11                           | 34                             | 0.09    | 0.05                        | 4.5                         | 6.1                 | 0.05                    | 0.91                    | 4                 | 0.032                  |                |       |        |      |
| Sample ID                                     | Sample Location | Sample Depth (mbg) | Sample Date |         |                      |           |              |                      |               |            |                      |                       |                       |                       |                         |                      |                      |                        |                            |                              |                       |                       |                           |                             |                    |            |                    |                           |                              |                                |         |                             |                             |                     |                         |                         |                   |                        |                |       |        |      |
| BH24-01 1-1.5M                                | BH24-01         | 1.0 - 1.5          | 2024-Oct-2  | <0.49   | <0.04                | <0.04     | <0.04        | <0.04                | <0.04         | <0.04      | <0.04                | <0.04                 | <0.04                 | <0.04                 | <0.04                   | <0.04                | <0.049               | <0.04                  | <0.04                      | <0.04                        | <0.04                 | <0.05                 | <0.03                     | <0.04                       | <0.04              | <0.04      | <0.049             | <0.4                      | <0.4                         | <0.04                          | <0.04   | <0.04                       | <0.04                       | <0.04               | <0.04                   | <0.04                   | <0.04             | <0.04                  | <0.01          | <0.04 | <0.019 |      |
| BH24-02 2-2.4M                                | BH24-02         | 2.0 - 2.4          | 2024-Oct-3  | <0.49   | <0.04                | <0.04     | <0.04        | <0.04                | <0.04         | <0.04      | <0.04                | <0.04                 | <0.04                 | <0.04                 | <0.04                   | <0.04                | <0.049               | <0.04                  | <0.04                      | <0.04                        | <0.04                 | <0.05                 | <0.03                     | <0.04                       | <0.04              | <0.04      | <0.049             | <0.4                      | <0.4                         | <0.04                          | <0.04   | <0.04                       | <0.04                       | <0.04               | <0.04                   | <0.04                   | <0.04             | <0.04                  | <0.01          | <0.04 | <0.019 |      |
| BH24-03 0.5-1M                                | BH24-03         | 0.5 - 1.0          | 2024-Oct-3  | <0.49   | <0.04                | <0.04     | <0.04        | <0.04                | <0.04         | <0.04      | <0.04                | <0.04                 | <0.04                 | <0.04                 | <0.04                   | <0.04                | <0.049               | <0.04                  | <0.04                      | <0.04                        | <0.04                 | <0.05                 | <0.03                     | <0.04                       | <0.04              | <0.04      | <0.049             | <0.4                      | <0.4                         | <0.04                          | <0.04   | <0.04                       | <0.04                       | <0.04               | <0.04                   | <0.04                   | <0.04             | <0.04                  | <0.01          | <0.04 | <0.019 |      |
| BH24-04 0.5-1M                                | BH24-04         | 0.5 - 1.0          | 2024-Oct-3  | <0.49   | <0.04                | <0.04     | <0.04        | <0.04                | <0.04         | <0.04      | <0.04                | <0.04                 | <0.04                 | <0.04                 | <0.04                   | <0.04                | <0.049               | <0.04                  | <0.04                      | <0.04                        | <0.04                 | <0.05                 | <0.03                     | <0.04                       | <0.04              | <0.04      | <0.049             | <0.4                      | <0.4                         | <0.04                          | <0.04   | <0.04                       | <0.04                       | <0.04               | <0.04                   | <0.04                   | <0.04             | <0.04                  | <0.01          | <0.04 | <0.019 |      |
| BH24-05 1-1.5M                                | BH24-05         | 1.0 - 1.5          | 2024-Oct-2  | <0.49   | <0.04                | <0.04     | <0.04        | <0.04                | <0.04         | <0.04      | <0.04                | <0.04                 | <0.04                 | <0.04                 | <0.04                   | <0.04                | <0.049               | <0.04                  | <0.04                      | <0.04                        | <0.04                 | <0.05                 | <0.03                     | <0.04                       | <0.04              | <0.04      | <0.049             | <0.4                      | <0.4                         | <0.04                          | <0.04   | <0.04                       | <0.04                       | <0.04               | <0.04                   | <0.04                   | <0.04             | <0.04                  | <0.01          | <0.04 | <0.019 |      |
| BH24-06 1.5-2M                                | BH24-06         | 1.5 - 2.0          | 2024-Oct-2  | <0.49   | <0.04                | <0.04     | <0.04        | <0.04                | <0.04         | <0.04      | <0.04                | <0.04                 | <0.04                 | <0.04                 | <0.04                   | <0.04                | <0.049               | <0.04                  | <0.04                      | <0.04                        | <0.04                 | <0.05                 | <0.03                     | <0.04                       | <0.04              | <0.04      | <0.049             | <0.4                      | <0.4                         | <0.04                          | <0.04   | <0.04                       | <0.04                       | <0.04               | <0.04                   | <0.04                   | <0.04             | <0.04                  | <0.01          | <0.04 | <0.019 |      |
| BH24-07 2-2.45M                               | BH24-07         | 2.0 - 2.5          | 2024-Oct-2  | <0.49   | <0.04                | <0.04     | <0.04        | <0.04                | <0.04         | <0.04      | <0.04                | <0.04                 | <0.04                 | <0.04                 | <0.04                   | <0.04                | <0.049               | <0.04                  | <0.04                      | <0.04                        | <0.04                 | <0.05                 | <0.03                     | <0.04                       | <0.04              | <0.04      | <0.049             | <0.4                      | <0.4                         | <0.04                          | <0.04   | <0.04                       | <0.04                       | <0.04               | <0.04                   | <0.04                   | <0.04             | <0.04                  | <0.01          | <0.04 | <0.019 |      |
| BH24-08 1-1.5M                                | BH24-08         | 1.0 - 1.5          | 2024-Oct-1  | <0.49   | <0.04                | <0.04     | <0.04        | <0.04                | <0.04         | <0.04      | <0.04                | <0.04                 | <0.04                 | <0.04                 | <0.04                   | <0.04                | <0.049               | <0.04                  | <0.04                      | <0.04                        | <0.04                 | <0.05                 | <0.03                     | <0.04                       | <0.04              | <0.04      | <0.049             | <0.4                      | <0.4                         | <0.04                          | <0.04   | <0.04                       | <0.04                       | <0.04               | <0.04                   | <0.04                   | <0.04             | <0.04                  | <0.01          | <0.04 | <0.019 |      |
| BH24-09 2-2.45M                               | BH24-09         | 2.0 - 2.5          | 2024-Oct-1  | <0.49   | <0.04                | <0.04     | <0.04        | <0.04                | <0.04         | <0.04      | <0.04                | <0.04                 | <0.04                 | <0.04                 | <0.04                   | <0.04                | <0.049               | <0.04                  | <0.04                      | <0.04                        | <0.04                 | <0.05                 | <0.03                     | <0.04                       | <0.04              | <0.04      | <0.049             | <0.4                      | <0.4                         | <0.04                          | <0.04   | <0.04                       | <0.04                       | <0.04               | <0.04                   | <0.04                   | <0.04             | <0.04                  | <0.01          | <0.04 | <0.019 |      |

Standard/Guideline Descriptions  
• ON Soil Table 3 I/C/C Non-Potable Coarse:Ontario Soil Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial/Community Property Use, Coarse

Notes:  
• formatting of cells indicates exceedances of like-formatted standards  
• where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded  
• laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures  
• samples collected from the same location, date and depth interval are blind field duplicate/parent sample pairs  
< - less than reported detection limit  
ng - no guideline  
mbg - metres below grade  
µg/g - micrograms per gram



| TABLE 5: SOIL -<br>POLYCYCLIC AROMATIC<br>HYDROCARBONS | PAHs           |              |            |                   |                        |                      |                      |                |          |                       |              |          |                        |                       |                       |                           |             |              |        |
|--------------------------------------------------------|----------------|--------------|------------|-------------------|------------------------|----------------------|----------------------|----------------|----------|-----------------------|--------------|----------|------------------------|-----------------------|-----------------------|---------------------------|-------------|--------------|--------|
|                                                        | Acenaphthylene | Acenaphthene | Anthracene | Benz[a]anthracene | Benzo[b+k]fluoranthene | Benzo[g h i]perylene | Benzo[k]fluoranthene | Benzo[a]pyrene | Chrysene | Dibenz[a h]anthracene | Fluoranthene | Fluorene | Indeno[1 2 3-cd]pyrene | Methylnaphthalene, 1- | Methylnaphthalene, 2- | Methylnaphthalene, 2-(1-) | Naphthalene | Phenanthrene | Pyrene |
|                                                        | µg/g           | µg/g         | µg/g       | µg/g              | µg/g                   | µg/g                 | µg/g                 | µg/g           | µg/g     | µg/g                  | µg/g         | µg/g     | µg/g                   | µg/g                  | µg/g                  | µg/g                      | µg/g        | µg/g         | µg/g   |
|                                                        | 0.005          | 0.005        | 0.005      | 0.005             | 0.005                  | 0.005                | 0.005                | 0.005          | 0.005    | 0.005                 | 0.0050       | 0.005    | 0.005                  | 0.005                 | 0.005                 | 0.0071                    | 0.005       | 0.005        | 0.005  |
|                                                        | 0.15           | 96           | 0.67       | 0.96              | ng                     | 9.6                  | 0.96                 | 0.3            | 9.6      | 0.1                   | 9.6          | 62       | 0.76                   | 76                    | 76                    | 76                        | 9.6         | 12           | 96     |
|                                                        |                |              |            |                   |                        |                      |                      |                |          |                       |              |          |                        |                       |                       |                           |             |              |        |
|                                                        |                |              |            |                   |                        |                      |                      |                |          |                       |              |          |                        |                       |                       |                           |             |              |        |
|                                                        |                |              |            |                   |                        |                      |                      |                |          |                       |              |          |                        |                       |                       |                           |             |              |        |
|                                                        |                |              |            |                   |                        |                      |                      |                |          |                       |              |          |                        |                       |                       |                           |             |              |        |
|                                                        |                |              |            |                   |                        |                      |                      |                |          |                       |              |          |                        |                       |                       |                           |             |              |        |

| Sample ID           | Sample Location | Sample Depth (mbg) | Sample Date |        |        |        |        |        |        |        |        |        |        |        |        |        |         |        |        |        |
|---------------------|-----------------|--------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| BH24-01 1-1.5M      | BH24-01         | 1.0 - 1.5          | 2024-Oct-2  | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0071 | <0.005 | <0.005 | <0.005 |
| BH24-02 2-2.4M      | BH24-02         | 2.0 - 2.4          | 2024-Oct-3  | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0071 | <0.005 | <0.005 | <0.005 |
| BH24-03 0.5-1M      | BH24-03         | 0.5 - 1.0          | 2024-Oct-3  | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0071 | <0.005 | <0.005 | <0.005 |
| BH24-04 0.5-1M      | BH24-04         | 0.5 - 1.0          | 2024-Oct-3  | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0071 | <0.005 | <0.005 | <0.005 |
| BH24-05 1-1.5M      | BH24-05         | 1.0 - 1.5          | 2024-Oct-2  | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0071 | <0.005 | <0.005 | <0.005 |
| BH24-06 1.5-2M      | BH24-06         | 1.5 - 2.0          | 2024-Oct-2  | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0071 | <0.005 | <0.005 | <0.005 |
| BH24-06 11.43-12.04 |                 | 11.4 - 12.0        | 2024-Oct-8  | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0071 | <0.005 | <0.005 | <0.005 |
| BH24-07 2-2.45M     | BH24-07         | 2.0 - 2.5          | 2024-Oct-2  | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0071 | <0.005 | <0.005 | <0.005 |
| BH24-08 1-1.5M      | BH24-08         | 1.0 - 1.5          | 2024-Oct-1  | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0071 | <0.005 | <0.005 | <0.005 |
| BH24-08 16.76-17.37 |                 | 16.8 - 17.4        | 2024-Oct-9  | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0071 | <0.005 | <0.005 | <0.005 |
| DUP-2               |                 |                    | 2024-Oct-9  | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0071 | <0.005 | <0.005 | <0.005 |
| BH24-09 2-2.45M     | BH24-09         | 2.0 - 2.5          | 2024-Oct-1  | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.0071 | <0.005 | <0.005 | <0.005 |

#### Standard/Guideline Descriptions

- ON Soil Table 3 I/C/C Non-Potable Coarse: Ontario Soil Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial/Community Property Use, Coarse

#### Notes:

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures
- samples collected from the same location, date and depth interval are blind field duplicate/parent sample pairs

'-' - sample not analyzed for parameter indicated

< - less than reported detection limit

mbg - metres below grade

ng - no guideline listed

µg/g - micrograms per gram



| TABLE 6: SOIL -<br>METALS AND INORGANICS | Metals   |         |        |           |               |                       |         |             |                |        |        |      |         |            |        |          |        |          |         |          |      | Inorganics              |                         |  |
|------------------------------------------|----------|---------|--------|-----------|---------------|-----------------------|---------|-------------|----------------|--------|--------|------|---------|------------|--------|----------|--------|----------|---------|----------|------|-------------------------|-------------------------|--|
|                                          | Antimony | Arsenic | Barium | Beryllium | Boron (Total) | Hot Water Soluble Bor | Cadmium | Chromium VI | Chromium Total | Cobalt | Copper | Lead | Mercury | Molybdenum | Nickel | Selenium | Silver | Thallium | Uranium | Vanadium | Zinc | Sodium Absorption Ratio | Electrical Conductivity |  |
|                                          | µg/g     | µg/g    | µg/g   | µg/g      | µg/g          | µg/g                  | µg/g    | µg/g        | µg/g           | µg/g   | µg/g   | µg/g | µg/g    | µg/g       | µg/g   | µg/g     | µg/g   | µg/g     | µg/g    | µg/g     | µg/g | N/A                     | mS/cm                   |  |
|                                          | 0.2      | 1       | 0.5    | 0.2       | 0.05          | 0.05                  | 0.1     | 0.18        | 1              | 0.1    | 0.5    | 1    | 0.05    | 0.5        | 0.5    | 0.5      | 0.2    | 0.050    | 0.05    | 5        | 5    |                         | 0.002                   |  |
|                                          | 40       | 18      | 670    | 8         | 120           | 2                     | 1.9     | 8           | 160            | 80     | 230    | 120  | 3.9     | 40         | 270    | 5.5      | 40     | 3.3      | 33      | 86       | 340  | 12                      | 1.4                     |  |
|                                          |          |         |        |           |               |                       |         |             |                |        |        |      |         |            |        |          |        |          |         |          |      |                         |                         |  |
|                                          |          |         |        |           |               |                       |         |             |                |        |        |      |         |            |        |          |        |          |         |          |      |                         |                         |  |
|                                          |          |         |        |           |               |                       |         |             |                |        |        |      |         |            |        |          |        |          |         |          |      |                         |                         |  |
|                                          |          |         |        |           |               |                       |         |             |                |        |        |      |         |            |        |          |        |          |         |          |      |                         |                         |  |
|                                          |          |         |        |           |               |                       |         |             |                |        |        |      |         |            |        |          |        |          |         |          |      |                         |                         |  |

| Sample ID           | Sample Location | Sample Depth (mbg) | Sample Date | Antimony | Arsenic | Barium | Beryllium | Boron (Total) | Hot Water Soluble Boron | Cadmium | Chromium VI | Chromium Total | Cobalt | Copper | Lead | Mercury | Molybdenum | Nickel | Selenium | Silver | Thallium | Uranium | Vanadium | Zinc | Sodium Absorption Ratio | Electrical Conductivity |
|---------------------|-----------------|--------------------|-------------|----------|---------|--------|-----------|---------------|-------------------------|---------|-------------|----------------|--------|--------|------|---------|------------|--------|----------|--------|----------|---------|----------|------|-------------------------|-------------------------|
| BH24-01 1-1.5M      | BH24-01         | 1.0 - 1.5          | 2024-Oct-2  | <0.2     | <1      | 6.9    | <0.2      | <5.0          | 0.053                   | <0.1    | <0.18       | 8.1            | 2.3    | 3.7    | 1.7  | <0.05   | <0.5       | 3.7    | <0.5     | <0.2   | <0.050   | 0.52    | 32       | 9.1  | 1.2                     | 0.16                    |
| BH24-02 2-2.4M      | BH24-02         | 2.0 - 2.4          | 2024-Oct-3  | <0.2     | <1      | 11     | <0.2      | <5.0          | <0.05                   | <0.1    | <0.18       | 4.4            | 1.8    | 3.7    | 1.2  | <0.05   | <0.5       | 2.8    | <0.5     | <0.2   | <0.050   | 0.35    | 13       | 6    | 2.4                     | 0.14                    |
| BH24-03 0.5-1M      | BH24-03         | 0.5 - 1.0          | 2024-Oct-3  | <0.2     | <1      | 20     | <0.2      | <5.0          | 0.051                   | <0.1    | <0.18       | 9.5            | 2.6    | 4.5    | 2.8  | <0.05   | <0.5       | 4.4    | <0.5     | <0.2   | <0.050   | 0.70    | 35       | 9.6  | 0.61                    | 0.15                    |
| BH24-04 0.5-1M      | BH24-04         | 0.5 - 1.0          | 2024-Oct-3  | <0.2     | <1      | 19     | <0.2      | <5.0          | 0.065                   | <0.1    | <0.18       | 6.3            | 2.2    | 3.8    | 2.3  | <0.05   | <0.5       | 3.6    | <0.5     | <0.2   | <0.050   | 0.46    | 18       | 8.7  | 1.6                     | 0.63                    |
| BH24-04 6.09-6.70   | BH24-04         | 6.1 - 6.7          | 2024-Oct-10 | <0.2     | <1      | 17     | <0.2      | <5.0          | <0.05                   | <0.1    | <0.18       | 5.7            | 2.4    | 4.1    | 1.4  | <0.05   | <0.5       | 3.2    | <0.5     | <0.2   | <0.050   | 0.40    | 17       | 6.7  | 0.46                    | 0.075                   |
| BH24-05 1-1.5M      | BH24-05         | 1.0 - 1.5          | 2024-Oct-2  | <0.2     | <1      | 7.6    | <0.2      | <5.0          | <0.05                   | <0.1    | <0.18       | 6.7            | 2.0    | 3.1    | 1.4  | <0.05   | <0.5       | 2.9    | <0.5     | <0.2   | <0.050   | 0.43    | 22       | 6.3  | 1.3                     | 0.14                    |
| BH24-06 1.5-2M      | BH24-06         | 1.5 - 2.0          | 2024-Oct-2  | <0.2     | <1      | 15     | <0.2      | <5.0          | 0.11                    | <0.1    | <0.18       | 5.9            | 2.0    | 3.5    | 1.6  | <0.05   | <0.5       | 3.4    | <0.5     | <0.2   | <0.050   | 0.45    | 17       | 6.6  | 1.3                     | 0.25                    |
| BH24-07 2-2.45M     | BH24-07         | 2.0 - 2.5          | 2024-Oct-2  | <0.2     | 2       | 15     | <0.2      | <5.0          | 0.11                    | <0.1    | <0.18       | 5.9            | 3.1    | 4.6    | 5.2  | <0.05   | 1.4        | 5.7    | <0.5     | <0.2   | 0.053    | 0.45    | 13       | 8.2  | 46                      | 2.0                     |
| BH24-07 6.09-6.70   | BH24-07         | 6.1 - 6.7          | 2024-Oct-10 | <0.2     | <1      | 15     | <0.2      | <5.0          | 0.054                   | <0.1    | <0.18       | 6.9            | 2.8    | 5.2    | 1.7  | <0.05   | <0.5       | 3.9    | <0.5     | <0.2   | <0.050   | 0.45    | 21       | 8.4  | 2.6                     | 0.33                    |
| BH24-08 1-1.5M      | BH24-08         | 1.0 - 1.5          | 2024-Oct-1  | <0.2     | <1      | 15     | <0.2      | <5.0          | 0.12                    | <0.1    | <0.18       | 6              | 2.2    | 4.1    | 1.9  | <0.05   | <0.5       | 3.5    | <0.5     | <0.2   | <0.050   | 0.48    | 18       | 7.4  | 3.6                     | 0.70                    |
| BH24-08 16.76-17.37 | BH24-08         | 16.8 - 17.4        | 2024-Oct-9  | <0.2     | <1      | 36     | <0.5      | <5.0          | 0.051                   | <0.1    | <0.18       | 11             | 3.7    | 6.0    | 1.9  | <0.05   | <0.5       | 5.1    | <0.5     | <0.2   | <0.050   | 0.62    | 31       | 10   | 5.1                     | 0.20                    |
| DUP-2               | BH24-08         | 16.8 - 17.4        | 2024-Oct-9  | <0.2     | <1      | 33     | <0.6      | <5.0          | 0.071                   | <0.1    | <0.18       | 9.4            | 3.6    | 5.8    | 1.8  | <0.05   | <0.5       | 4.8    | <0.5     | <0.2   | <0.050   | 0.62    | 29       | 9.2  | 5                       | 0.19                    |
| BH24-09 2-2.45M     | BH24-09         | 2.0 - 2.5          | 2024-Oct-1  | <0.2     | <1      | 7.8    | <0.7      | <5.0          | <0.05                   | <0.1    | <0.18       | 5.6            | 2.0    | 3.2    | 1.4  | <0.05   | <0.5       | 2.8    | <0.5     | <0.2   | <0.050   | 0.49    | 18       | 6.3  | 1.2                     | 0.41                    |

#### Standard/Guideline Descriptions

- ON Soil Table 3 I/C/C Non-Potable Coarse: Ontario Soil Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial/Community Property Use, Coarse

#### Notes:

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures
- samples collected from the same location, date and depth interval are blind field duplicate/parent sample pairs
- < - less than reported detection limit
- mbg - metres below grade
- µg/g - micrograms per gram



| TABLE 7: SOIL - GLYCOLS                  | Glycols         |                   |                  |               |
|------------------------------------------|-----------------|-------------------|------------------|---------------|
|                                          | Ethylene glycol | Diethylene glycol | Propylene glycol | Total Glycols |
|                                          | µg/g            | µg/g              | µg/g             | µg/g          |
| Reported Detection Limit                 | 10              | 10                | 10               | 10            |
| ON Soil Table 3 I/C/C Non-Potable Coarse | ng              | ng                | ng               | ng            |

| Sample ID           | Sample Location | Sample Depth (mbg) | Sample Date |     |     |     |     |
|---------------------|-----------------|--------------------|-------------|-----|-----|-----|-----|
| BH24-01_1-1.5M      | BH24-01         | 1.0 - 1.5          | 2024-Oct-2  | <10 | <10 | <10 | <10 |
| BH24-05_1-1.5M      | BH24-05         | 1.0 - 1.5          | 2024-Oct-2  | <10 | <10 | <10 | <10 |
| BH24-06_1.5-2M      | BH24-06         | 1.5 - 2.0          | 2024-Oct-2  | <10 | <10 | <10 | <10 |
| BH24-07_2-2.45M     | BH24-07         | 2.0 - 2.5          | 2024-Oct-2  | <10 | <10 | <10 | <10 |
| BH24-08_1-1.5M      | BH24-08         | 1.0 - 1.5          | 2024-Oct-1  | <10 | <10 | <10 | <10 |
| BH24-08_16.76-17.37 |                 | 16.8 - 17.4        | 2024-Oct-9  | <10 | <10 | <10 | <10 |
| DUP-2               |                 |                    | 2024-Oct-9  | <10 | <10 | <10 | <10 |
| BH24-09_2-2.45M     | BH24-09         | 2.0 - 2.5          | 2024-Oct-1  | <10 | <10 | <10 | <10 |

#### Standard/Guideline Descriptions

- ON Soil Table 3 I/C/C Non-Potable Coarse:Ontario Soil Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial/Community Property Use, Coarse

#### Notes:

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures
- samples collected from the same location, date and depth interval are blind field duplicate/parent sample pairs

< - less than reported detection limit

mbg - metres below grade

ng - no guideline listed

µg/g - micrograms per gram



| TABLE 8: SOIL - WASTE CLASSIFICATION |  |  |  | Leachate Analysis              |                      |               |            |                       |                       |                      |                        |                    |                           |                     |                   |                |         |        |               |         |                |      |         |          |        |         |               |          |                   |                            |                   |              |      |
|--------------------------------------|--|--|--|--------------------------------|----------------------|---------------|------------|-----------------------|-----------------------|----------------------|------------------------|--------------------|---------------------------|---------------------|-------------------|----------------|---------|--------|---------------|---------|----------------|------|---------|----------|--------|---------|---------------|----------|-------------------|----------------------------|-------------------|--------------|------|
|                                      |  |  |  | Benzene                        | Carbon Tetrachloride | Chlorobenzene | Chloroform | Dichlorobenzene, 1,2- | Dichlorobenzene, 1,4- | Dichloroethane, 1,2- | Dichloroethylene, 1,1- | Methylene chloride | Methyl Ethyl Ketone (MEK) | Tetrachloroethylene | Trichloroethylene | Vinyl chloride | Arsenic | Barium | Boron (Total) | Cadmium | Chromium Total | Lead | Mercury | Selenium | Silver | Uranium | Cyanide (WAD) | Fluoride | Nitrate (as NO3-) | Nitrate and Nitrite (as N) | Nitrite (as NO2-) | Ignitability |      |
|                                      |  |  |  | mg/L                           | mg/L                 | mg/L          | mg/L       | mg/L                  | mg/L                  | mg/L                 | mg/L                   | mg/L               | mg/L                      | mg/L                | mg/L              | mg/L           | mg/L    | mg/L   | mg/L          | mg/L    | mg/L           | mg/L | mg/L    | mg/L     | mg/L   | mg/L    | mg/L          | mg/L     | mg/L              | mg/L                       | mg/L              | mg/L         | mg/L |
|                                      |  |  |  | 0.02                           | 0.02                 | 0.02          | 0.02       | 0.05                  | 0.05                  | 0.05                 | 0.02                   | 0.2                | 1                         | 0.02                | 0.02              | 0.02           | 0.2     | 0.2    | 0.2           | 0.1     | 0.05           | 0.1  | 0.1     | 0        | 0.1    | 0.01    | 0.01          | 0.01     | 0.1               | 1                          | 1                 | 0.1          | n/a  |
|                                      |  |  |  | Schedule IV Leachate Standards | 0.5                  | 0.5           | 8          | 10                    | 20                    | 0.5                  | 0.5                    | 1.4                | 5                         | 200                 | 3                 | 5              | 0.2     | 2.5    | 100           | 500     | 0.5            | 5    | 5       | 0.1      | 1      | 5       | 10            | 20       | 150               | ng                         | 1000              | ng           | ng   |

| Sample ID       | Sample Location | Sample Date |        |        |        |        |        |        |        |        |      |      |        |        |        |      |     |      |       |      |      |        |      |       |       |       |       |      |    |    |      |    |
|-----------------|-----------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|--------|--------|--------|------|-----|------|-------|------|------|--------|------|-------|-------|-------|-------|------|----|----|------|----|
| TCLP-10-10-2024 | TCLP            | 10/10/2024  | <0.020 | <0.020 | <0.020 | <0.020 | <0.050 | <0.050 | <0.050 | <0.020 | <0.2 | <1.0 | <0.020 | <0.020 | <0.020 | <0.2 | 0.3 | <0.1 | <0.05 | <0.1 | <0.1 | <0.001 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | 0.21 | <1 | <1 | <0.1 | NF |

**Standard/Guideline Descriptions:**  
Schedule 4 Leachate Quality Criteria (TCLP): waste producing leachate containing any of the contaminants listed in Schedule 4 at a concentration

**Notes:**

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- laboratory analytical reports detail detection limits, testing protocols and QA/QC procedures
- samples collected from the same location, date and depth interval are blind field duplicate/parent sample pairs

< - less than reported detection limit  
mg/L - milligrams pre liter  
µg/L - micrograms per liter  
NF- non-flammeable  
ng- no guideline



| TABLE 9:<br>GROUNDWATER -<br>PETROLEUM<br>HYDROCARBONS | Petroleum Hydrocarbons |         |              |                |                           |                                       |                           |                           |                           |
|--------------------------------------------------------|------------------------|---------|--------------|----------------|---------------------------|---------------------------------------|---------------------------|---------------------------|---------------------------|
|                                                        | Benzene                | Toluene | Ethylbenzene | Xylene Mixture | Petroleum Hydrocarbons F1 | Petroleum Hydrocarbons F1 (less BTEX) | Petroleum Hydrocarbons F2 | Petroleum Hydrocarbons F3 | Petroleum Hydrocarbons F4 |
|                                                        | µg/L                   | µg/L    | µg/L         | µg/L           | µg/L                      | µg/L                                  | µg/L                      | µg/L                      | µg/L                      |
| Reported Detection Limit                               | 0.17                   | 0.2     | 0.2          | 0.2            | 25                        | 25                                    | 90                        | 200                       | 200                       |
| ON GW Table 3 Non-Potable Coarse                       | 430                    | 18000   | 2300         | 4200           | 750 <sup>#1</sup>         | 750 <sup>#1</sup>                     | 150                       | 500                       | 500                       |

| Sample ID | Sample Location | Sample Date |       |      |      |      |     |     |     |      |      |
|-----------|-----------------|-------------|-------|------|------|------|-----|-----|-----|------|------|
| MW24-06   | MW24-06         | 2024-Oct-18 | <0.17 | <0.2 | <0.2 | <0.2 | <25 | <25 | <90 | <200 | <200 |
| MW24-08   | MW24-08         | 2024-Oct-18 | <0.17 | <0.2 | <0.2 | <0.2 | <25 | <25 | <90 | <200 | <200 |
| DUP-1     |                 |             | <0.17 | <0.2 | <0.2 | 0.2  | <25 | <25 | <90 | <200 | <200 |

#### Standard/Guideline Descriptions

- ON GW Table 3 Non-Potable Coarse:Ontario Groundwater Table 3: Full Depth Generic Site

#### Standard/Guideline Comments

#1:F1 fraction does not include BTEX; however, the proponent has the choice as to whether or not to

#### Notes:

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- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected at the same location and date are blind field duplicate/parent pairs

< - less than reported detection limit

µg/L - micrograms per litre

BTEX - benzene, toluene, ethylbenzene, xylenes



| TABLE 10:<br>GROUNDWATER -<br>VOLATILE ORGANIC<br>COMPOUNDS |                 |             | VOCs    |        |     |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |         |       |      |      |      |      |      |      |      |      |      |      |
|-------------------------------------------------------------|-----------------|-------------|---------|--------|-----|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|-----|---------|-------|------|------|------|------|------|------|------|------|------|------|
|                                                             |                 |             |         |        |     |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |         |       |      |      |      |      |      |      |      |      |      |      |
|                                                             |                 |             |         |        |     |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |         |       |      |      |      |      |      |      |      |      |      |      |
|                                                             |                 |             |         |        |     |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |         |       |      |      |      |      |      |      |      |      |      |      |
|                                                             |                 |             |         |        |     |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |         |       |      |      |      |      |      |      |      |      |      |      |
| Reported Detection Limit                                    |                 |             | 10      | 0.5    | 1   | 0.5  | 0.2  | 0.2  | 0.2  | 0.5   | 0.5  | 0.5  | 0.5  | 1    | 0.2  | 0.5  | 0.2  | 0.5  | 0.5  | 0.2  | 0.5  | 0.3  | 0.4  | 0.2  | 1  | 2   | 10      | 5     | 0.5  | 0.5  | 0.5  | 0.5  | 0.2  | 0.2  | 0.5  | 0.2  | 0.5  | 0.2  |
| ON GW Table 3 Non-Potable Coarse                            |                 |             | 130,000 | 85,000 | 380 | 5.6  | 0.79 | 630  | 2.4  | ##### | 4600 | 9600 | 8    | 4400 | 320  | 1.6  | 1.6  | 1.6  | 1.6  | 16   | 5.2  | ng   | ng   | 0.25 | 51 | 610 | 470,000 | ##### | 190  | 1300 | 3.3  | 3.2  | 1.6  | 640  | 4.7  | 1.6  | 2500 | 0.5  |
| Sample ID                                                   | Sample Location | Sample Date |         |        |     |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |         |       |      |      |      |      |      |      |      |      |      |      |
| MW24-06                                                     | MW24-06         | 2024-Oct-18 | <10     | <0.5   | <1  | <0.5 | <0.2 | <0.2 | <0.2 | <0.5  | <0.5 | <0.5 | <0.5 | <1   | <0.2 | <0.5 | <0.2 | <0.5 | <0.5 | <0.2 | <0.5 | <0.3 | <0.4 | <0.2 | <1 | <2  | <10     | <5    | <0.5 | <0.5 | <0.5 | <0.5 | <0.2 | <0.2 | <0.5 | <0.2 | <0.5 | <0.2 |
| MW24-08                                                     | MW24-08         | 2024-Oct-18 | <10     | <0.5   | <1  | <0.5 | <0.2 | <0.2 | <0.2 | <0.5  | <0.5 | <0.5 | <0.5 | <1   | <0.2 | <0.5 | <0.2 | <0.5 | <0.5 | <0.2 | <0.5 | <0.3 | <0.4 | <0.2 | <1 | <2  | <10     | <5    | <0.5 | <0.5 | <0.5 | <0.5 | <0.2 | <0.2 | <0.5 | <0.2 | <0.5 | <0.2 |
| DUP-1                                                       |                 |             | <10     | <0.5   | <1  | <0.5 | <0.2 | <0.2 | <0.2 | <0.5  | <0.5 | <0.5 | <0.5 | <1   | <0.2 | <0.5 | <0.2 | <0.5 | <0.5 | <0.2 | <0.5 | <0.3 | <0.4 | <0.2 | <1 | <2  | <10     | <5    | <0.5 | <0.5 | <0.5 | <0.5 | <0.2 | <0.2 | <0.5 | <0.2 | <0.5 | <0.2 |

Standard/Guideline Descriptions  
• ON GW Table 3 Non-Potable Coarse:Ontario Groundwater Table 3: Full Depth Generic Site Condition Standards in a

Notes:  
• formatting of cells indicates exceedances of like-formatted standards  
• where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded  
• samples collected at the same location and date are blind field duplicate/parent pairs  
< - less than reported detection limit  
µg/L - micrograms per litre  
ng - no guideline listed



| TABLE 11:<br>GROUNDWATER -<br>POLYCYCLIC AROMATIC<br>HYDROCARBONS | PAHs                             |              |            |                   |                        |                      |                      |                |          |                       |              |          |                        |                       |                       |                           |             |              |        |      |
|-------------------------------------------------------------------|----------------------------------|--------------|------------|-------------------|------------------------|----------------------|----------------------|----------------|----------|-----------------------|--------------|----------|------------------------|-----------------------|-----------------------|---------------------------|-------------|--------------|--------|------|
|                                                                   | Acenaphthylene                   | Acenaphthene | Anthracene | Benz[a]anthracene | Benzo[b+k]fluoranthene | Benzo[g h i]perylene | Benzo[k]fluoranthene | Benzo[a]pyrene | Chrysene | Dibenz[a h]anthracene | Fluoranthene | Fluorene | Indeno[1 2 3-cd]pyrene | Methylnaphthalene, 1- | Methylnaphthalene, 2- | Methylnaphthalene, 2-(1-) | Naphthalene | Phenanthrene | Pyrene |      |
|                                                                   | µg/L                             | µg/L         | µg/L       | µg/L              | µg/L                   | µg/L                 | µg/L                 | µg/L           | µg/L     | µg/L                  | µg/L         | µg/L     | µg/L                   | µg/L                  | µg/L                  | µg/L                      | µg/L        | µg/L         | µg/L   |      |
|                                                                   | Reported Detection Limit         | 0.05         | 0.05       | 0.05              | 0.05                   | 0.05                 | 0.05                 | 0.05           | 0.009    | 0.05                  | 0.05         | 0.05     | 0.05                   | 0.05                  | 0.05                  | 0.05                      | 0.071       | 0.050        | 0.03   | 0.05 |
|                                                                   | ON GW Table 3 Non-Potable Coarse | 1.8          | 600        | 2.4               | 4.7                    | ng                   | 0.2                  | 0.4            | 0.81     | 1                     | 0.52         | 130      | 400                    | 0.2                   | 1800                  | 1800                      | 1800        | 1400         | 580    | 68   |

| Sample ID | Sample Location | Sample Date |       |       |       |       |       |       |       |        |       |       |       |       |       |       |        |       |       |       |
|-----------|-----------------|-------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| MW24-06   | MW24-06         | 2024-Oct-18 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.009 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.071 | 0.085 | <0.03 | <0.05 |
| MW24-08   | MW24-08         | 2024-Oct-18 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.009 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.071 | 0.098 | <0.03 | <0.05 |
| DUP-1     |                 |             | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.009 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.071 | 0.085 | <0.03 | <0.05 |

#### Standard/Guideline Descriptions

- ON GW Table 3 Non-Potable Coarse:Ontario Groundwater Table 3: Full Depth Generic Site Condition Standards in a

#### Notes:

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected at the same location and date are blind field duplicate/parent pairs

< - less than reported detection limit

µg/L - micrograms per litre

ng - no guideline listed



| TABLE 12:<br>GROUNDWATER -<br>METALS & INORGANICS |  |  | Metals              |                    |                   |                      |                          |                    |             |                           |                   |                   |                 |         |                       |                   |                     |                   |                   |                     |                    |                     | Inorganics      |                     |
|---------------------------------------------------|--|--|---------------------|--------------------|-------------------|----------------------|--------------------------|--------------------|-------------|---------------------------|-------------------|-------------------|-----------------|---------|-----------------------|-------------------|---------------------|-------------------|-------------------|---------------------|--------------------|---------------------|-----------------|---------------------|
|                                                   |  |  | Antimony (Filtered) | Arsenic (Filtered) | Barium (Filtered) | Beryllium (Filtered) | Boron (Total) (Filtered) | Cadmium (Filtered) | Chromium VI | Chromium Total (Filtered) | Cobalt (Filtered) | Copper (Filtered) | Lead (Filtered) | Mercury | Molybdenum (Filtered) | Nickel (Filtered) | Selenium (Filtered) | Silver (Filtered) | Sodium (Filtered) | Thallium (Filtered) | Uranium (Filtered) | Vanadium (Filtered) | Zinc (Filtered) | Chloride (Filtered) |
|                                                   |  |  | µg/L                | µg/L               | µg/L              | µg/L                 | µg/L                     | µg/L               | µg/L        | µg/L                      | µg/L              | µg/L              | µg/L            | µg/L    | µg/L                  | µg/L              | µg/L                | µg/L              | mg/L              | µg/L                | µg/L               | µg/L                | µg/L            | mg/L                |
| Reported Detection Limit                          |  |  | 0.5                 | 1                  | 2                 | 0.4                  | 10                       | 0.09               | 0.50        | 5                         | 0.5               | 0.9               | 0.5             | 0.1     | 0.50                  | 1                 | 2                   | 0.09              | 0.1               | 0.05                | 0.10               | 0.50                | 5               | 1                   |
| ON GW Table 3 Non-Potable Coarse                  |  |  | 20,000              | 1900               | 29,000            | 67                   | 45,000                   | 2.7                | 140         | 810                       | 66                | 87                | 25              | 0.29    | 9200                  | 490               | 63                  | 1.5               | 2300              | 510                 | 420                | 250                 | 1100            | 2300                |

| Sample ID | Sample Location | Sample Date |      |    |     |      |    |       |      |    |      |      |      |      |      |    |    |       |     |       |      |      |    |     |
|-----------|-----------------|-------------|------|----|-----|------|----|-------|------|----|------|------|------|------|------|----|----|-------|-----|-------|------|------|----|-----|
| MW24-06   | MW24-06         | 2024-Oct-18 | <0.5 | <1 | 200 | <0.4 | 18 | <0.09 | 0.70 | <5 | <0.5 | <0.9 | <0.5 | <0.1 | 0.71 | <1 | <2 | <0.09 | 600 | <0.05 | 0.67 | 0.64 | <5 | 850 |
| MW24-08   | MW24-08         | 2024-Oct-18 | <0.5 | <1 | 54  | <0.4 | 15 | <0.09 | 0.91 | <5 | <0.5 | 1.1  | <0.5 | <0.1 | 0.89 | <1 | <2 | <0.09 | 450 | <0.05 | 0.62 | 0.86 | <5 | 470 |
| DUP-1     |                 |             | <0.5 | <1 | 54  | <0.4 | 15 | <0.09 | 0.89 | <5 | <0.5 | <0.9 | <0.5 | <0.1 | 0.86 | <1 | <2 | <0.09 | 470 | <0.05 | 0.63 | 0.9  | <5 | 480 |

Standard/Guideline Descriptions

- ON GW Table 3 Non-Potable Coarse:Ontario Groundwater Table 3: Full Depth Generic Site Condition Standards in a

Notes:

- formatting of cells indicates exceedances of like-formatted standards
- where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
- samples collected at the same location and date are blind field duplicate/parent pairs

< - less than reported detection limit  
µg/L - micrograms per litre  
mg/L - milligrams per litre



| TABLE 13:<br>GROUNDWATER -<br>GLYCOLS | Glycols                  |                   |                  |               |
|---------------------------------------|--------------------------|-------------------|------------------|---------------|
|                                       | Ethylene glycol          | Diethylene glycol | Propylene glycol | Total Glycols |
|                                       | µg/L                     | µg/L              | µg/L             | µg/L          |
|                                       | Reported Detection Limit | 5000              | 5000             | 5000          |
| ON GW Table 3 Non-Potable Coarse      |                          | ng                | ng               | ng            |

| Sample ID | Sample Location | Sample Date |       |       |       |       |
|-----------|-----------------|-------------|-------|-------|-------|-------|
| MW24-06   | MW24-06         | 2024-Oct-18 | <5000 | <5000 | <5000 | <5000 |
| MW24-08   | MW24-08         | 2024-Oct-18 | <5000 | <5000 | <5000 | <5000 |
| DUP-1     |                 |             | <5000 | <5000 | <5000 | <5000 |

**Notes:**

- formatting of cells indicates exceedances of like-formatted standards
  - where many exceedance formats are used, highlighted results reflect the least stringent standard/guideline exceeded
  - samples collected at the same location and date are blind field duplicate/parent pairs
- < - less than reported detection limit  
ng- no guideline  
µg/L - micrograms per litre





# Figures

## Phase II Environmental Site Investigation

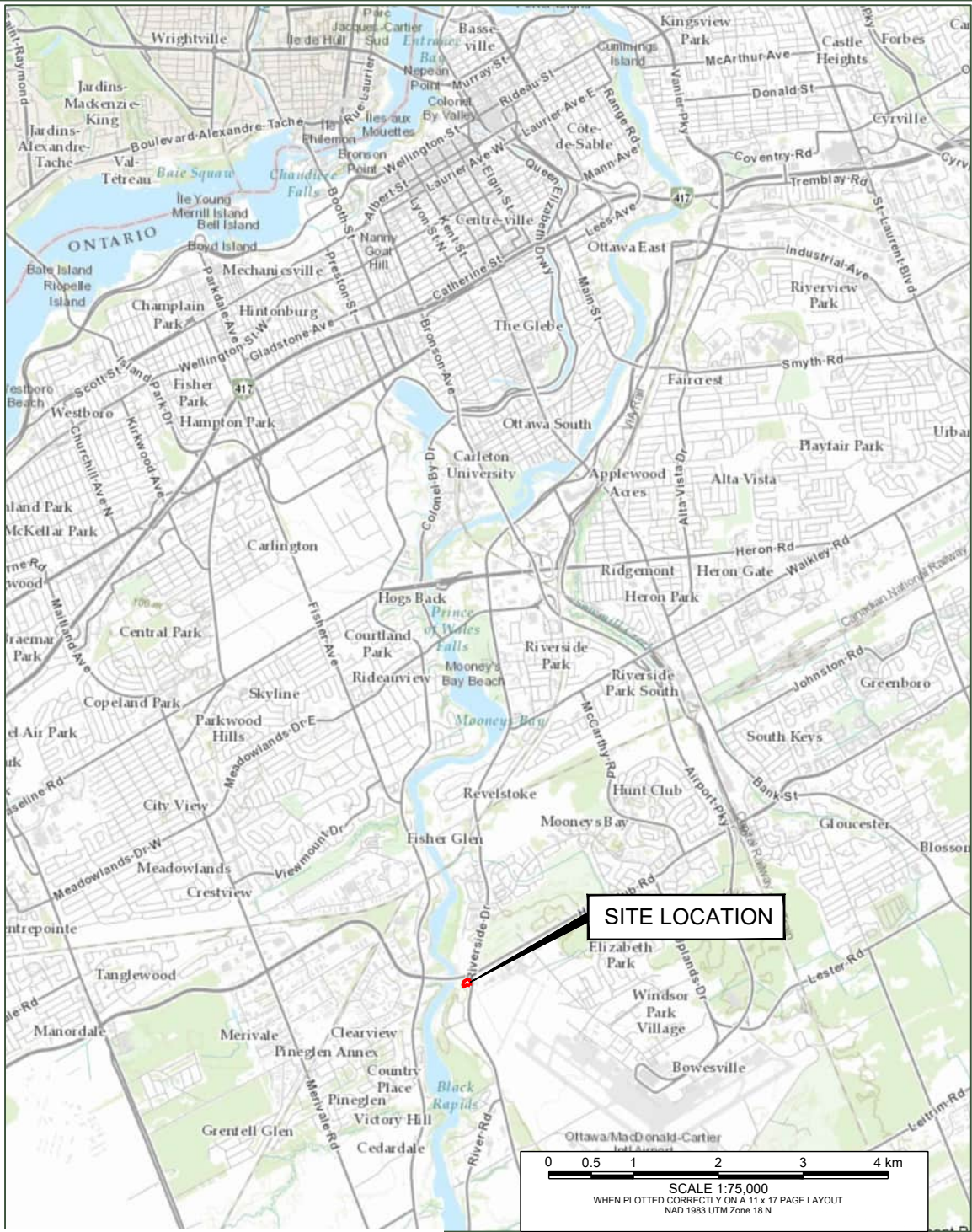
Active Petro-Canada Retail Fuel Outlet No. 35197  
4000 Riverside Drive, Ottawa, Ontario

**Suncor Energy Products Partnership**

SLR Project No.: 216.030059.00002

November 25, 2024

Cadfile name: S\_216-030059-00002-A1.dwg



**NOTES:**  
NOT A LEGAL SURVEY. DO NOT USE FOR CONSTRUCTION.

REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHIC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE No. 24-10-007-04, DATES: FEBRUARY 14, 2024 AND OCTOBER 16, 2024, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY (IMAGE DATE: 2023)

**BASEDATA:**  
ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY

**LEGEND:**

- PROPERTY BOUNDARY (PROPERTY IDENTIFICATION NUMBER: 04589-1660)
- ▭ SITE BOUNDARY (LEASE INSTRUMENT BOUNDARY - OC339605)
- WATER FEATURE

NOT A LEGAL SURVEY. DO NOT USE FOR CONSTRUCTION.

REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHIC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE No. 24-10-007-04, DATES: FEBRUARY 14, 2024 AND OCTOBER 16, 2024, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY (IMAGE DATE: 2023)

0 25 50 100 150 200 250 m  
SCALE 1:4,000  
WHEN PLOTTED CORRECTLY ON A 11 x 17 PAGE LAYOUT  
NAD 1983 UTM Zone 18 N

SUNCOR ENERGY PRODUCTS PARTNERSHIP  
35197  
4000 RIVERSIDE DRIVE  
OTTAWA, ONTARIO

PHASE II ENVIRONMENTAL SITE INVESTIGATION

**SITE LOCATION  
AND SURROUNDING LAND USE**

**SLR**

FIGURE NO:  
**1**

DATE: November 25, 2024

PROJECT NO: 216.030059.00002

Cadfile name: S\_216-030059-00002-A1.dwg



**LEGEND:**

--- APPROXIMATE PROPERTY BOUNDARY

--- EASEMENT

**SITE BOUNDARY**

⊕ BOREHOLE

● MONITORING WELL

● TANK NEST MONITORING WELL

**UTILITIES AND SYMBOLS**

MH ● MANHOLE

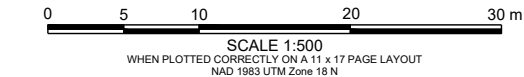
CB ■ CATCH BASIN

**NOTES:**

NOT A LEGAL SURVEY. DO NOT USE FOR CONSTRUCTION.

REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHIC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE No. 24-10-007-04, DATES: FEBRUARY 14, 2024 AND OCTOBER 16, 2024, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY (IMAGE DATE: 2023)



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SUPPLEMENTAL SUBSURFACE INVESTIGATION

**SITE PLAN**



FIGURE NO:  
**2**

Cadfile name: S\_216-030059-00002-A1.dwg



- LEGEND:**
- APPROXIMATE PROPERTY BOUNDARY
  - SITE BOUNDARY
  - BOREHOLE
  - MONITORING WELL
  - TANK NEST MONITORING WELL

- UTILITIES AND SYMBOLS**
- MANHOLE
  - CATCH BASIN

**GROUNDWATER MONITORING RESULTS**

GROUNDWATER ELEVATION (m)

567.70

**NOTES:**

NOT A LEGAL SURVEY. DO NOT USE FOR CONSTRUCTION.

REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHIC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE No. 24-10-007-04, DATES: FEBRUARY 14, 2024 AND OCTOBER 16, 2024, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY (IMAGE DATE: 2023)

0 5 10 20 30 m

SCALE 1:500  
WHEN PLOTTED CORRECTLY ON A 11 x 17 PAGE LAYOUT  
NAD 1983 UTM Zone 18 N

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PHASE II ENVIRONMENTAL SITE INVESTIGATION

**GROUNDWATER ELEVATION PLAN -  
OCTOBER 18, 2024**

**SLR**

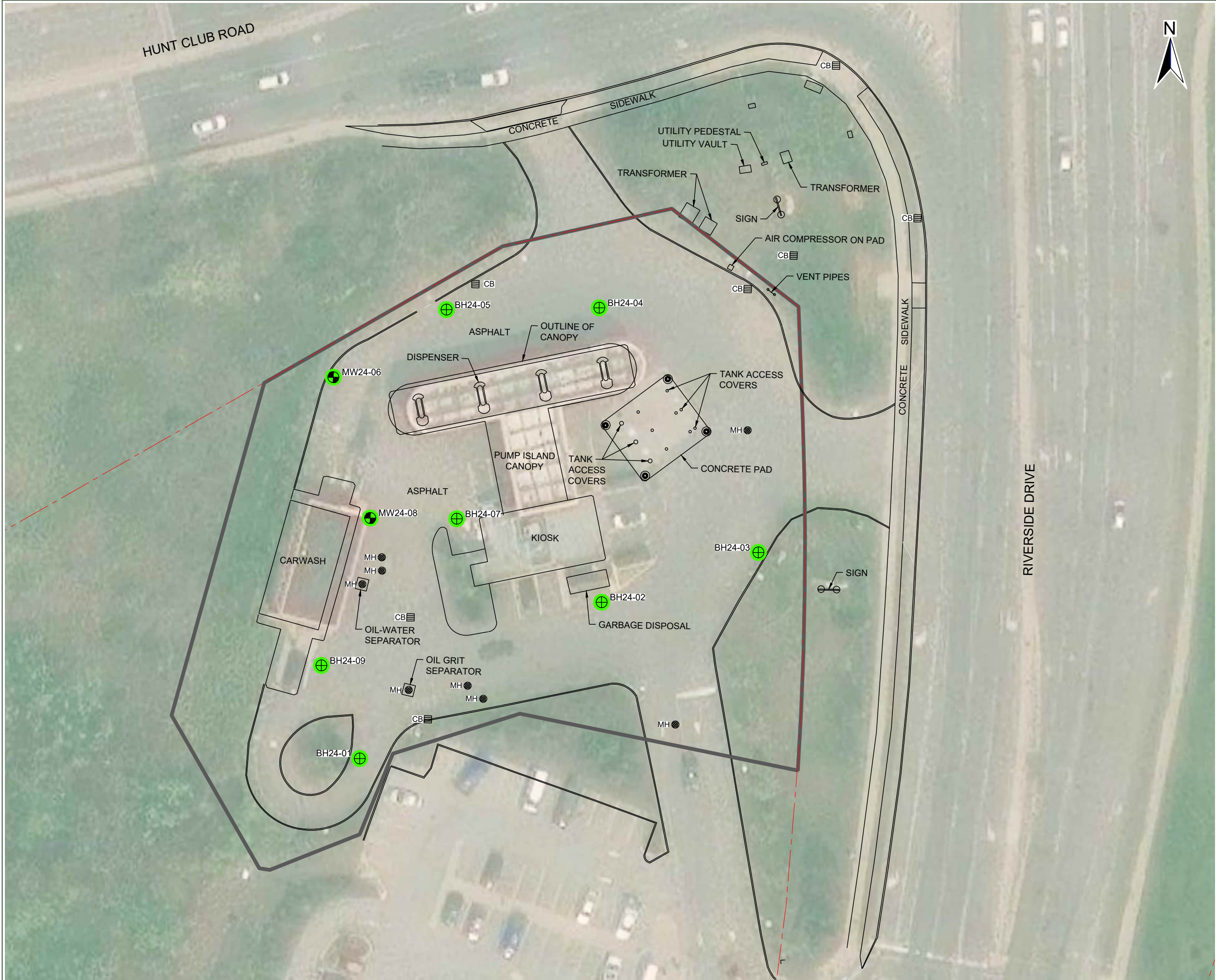
FIGURE NO:

**3**

DATE: November 25, 2024

PROJECT NO: 216.030059.00002

Cadfile name: S\_216-030059-00002-A1.dwg



**LEGEND:**

--- APPROXIMATE PROPERTY BOUNDARY

▮ SITE BOUNDARY

⊕ BOREHOLE

⊙ MONITORING WELL

⊙ TANK NEST MONITORING WELL

**UTILITIES AND SYMBOLS**

MH ● MANHOLE

CB ▮ CATCH BASIN

**SOIL LABORATORY ANALYSIS RESULTS**

● CONCENTRATIONS LESS THAN OR EQUAL TO APPLICABLE REGULATORY STANDARDS

● CONCENTRATION(S) GREATER THAN APPLICABLE REGULATORY STANDARDS

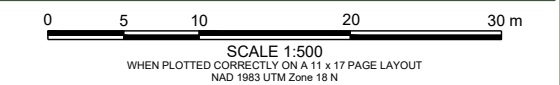
**NOTES:**

NOT A LEGAL SURVEY. DO NOT USE FOR CONSTRUCTION.

REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHIC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE No. 24-10-007-04.

DATES: FEBRUARY 14, 2024 AND OCTOBER 16, 2024, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY (IMAGE DATE: 2023)



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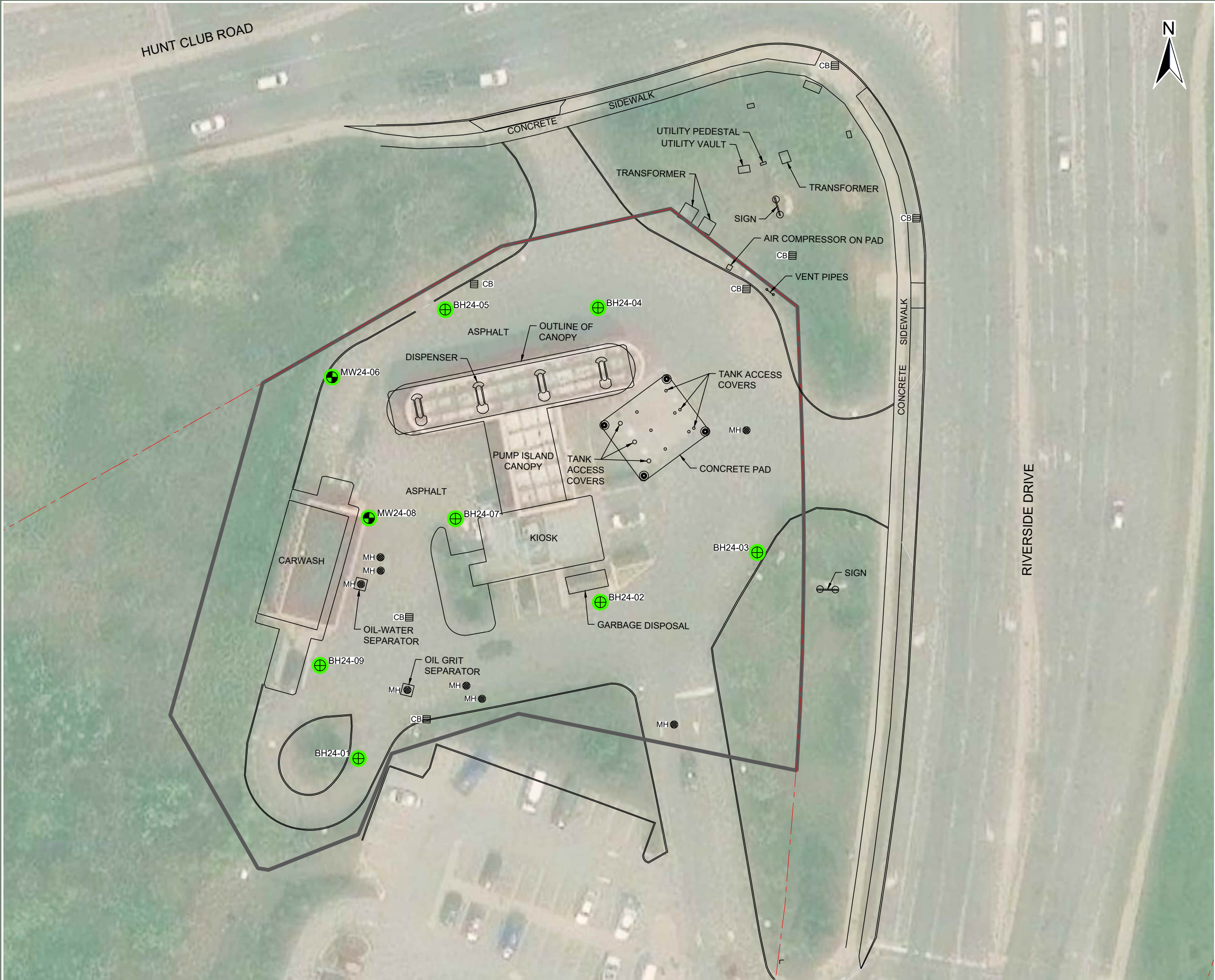
4000 RIVERSIDE DRIVE

OTTAWA, ONTARIO

PHASE II ENVIRONMENTAL SITE INVESTIGATION

**SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS**

Cadfile name: S\_216-030059-00002-A1.dwg



**LEGEND:**

--- APPROXIMATE PROPERTY BOUNDARY

▮ SITE BOUNDARY

⊕ BOREHOLE

⊗ MONITORING WELL

⊙ TANK NEST MONITORING WELL

**UTILITIES AND SYMBOLS**

MH ⊗ MANHOLE

CB ▮ CATCH BASIN

**SOIL LABORATORY ANALYSIS RESULTS**

● CONCENTRATIONS LESS THAN OR EQUAL TO APPLICABLE REGULATORY STANDARDS

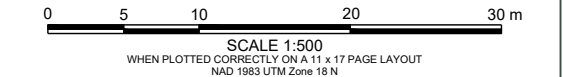
● CONCENTRATION(S) GREATER THAN APPLICABLE REGULATORY STANDARDS

**NOTES:**

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REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHIC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE No. 24-10-007-04, DATES: FEBRUARY 14, 2024 AND OCTOBER 16, 2024, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY (IMAGE DATE: 2023)

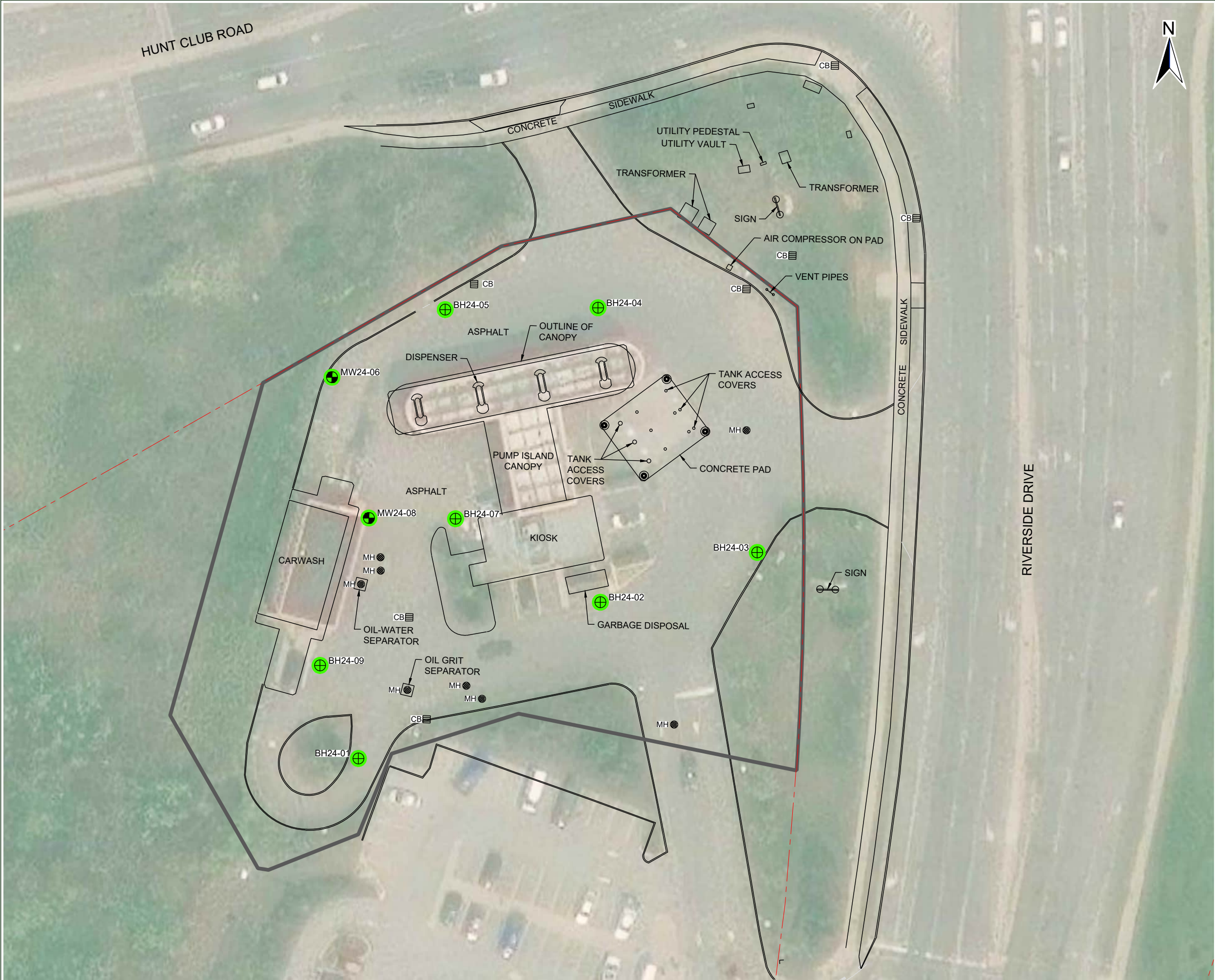


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OTTAWA, ONTARIO

PHASE II ENVIRONMENTAL SITE INVESTIGATION

**SOIL ANALYTICAL RESULTS -  
VOLATILE ORGANIC COMPOUNDS**

Cadfile name: S\_216-030059-00002-A1.dwg



**LEGEND:**

--- APPROXIMATE PROPERTY BOUNDARY

▮ SITE BOUNDARY

⊕ BOREHOLE

⊗ MONITORING WELL

⊙ TANK NEST MONITORING WELL

**UTILITIES AND SYMBOLS**

MH ⊗ MANHOLE

CB ▮ CATCH BASIN

**SOIL LABORATORY ANALYSIS RESULTS**

● CONCENTRATIONS LESS THAN OR EQUAL TO APPLICABLE REGULATORY STANDARDS

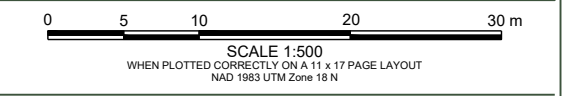
● CONCENTRATION(S) GREATER THAN APPLICABLE REGULATORY STANDARDS

**NOTES:**

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REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHIC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE No. 24-10-007-04, DATES: FEBRUARY 14, 2024 AND OCTOBER 16, 2024, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY (IMAGE DATE: 2023)

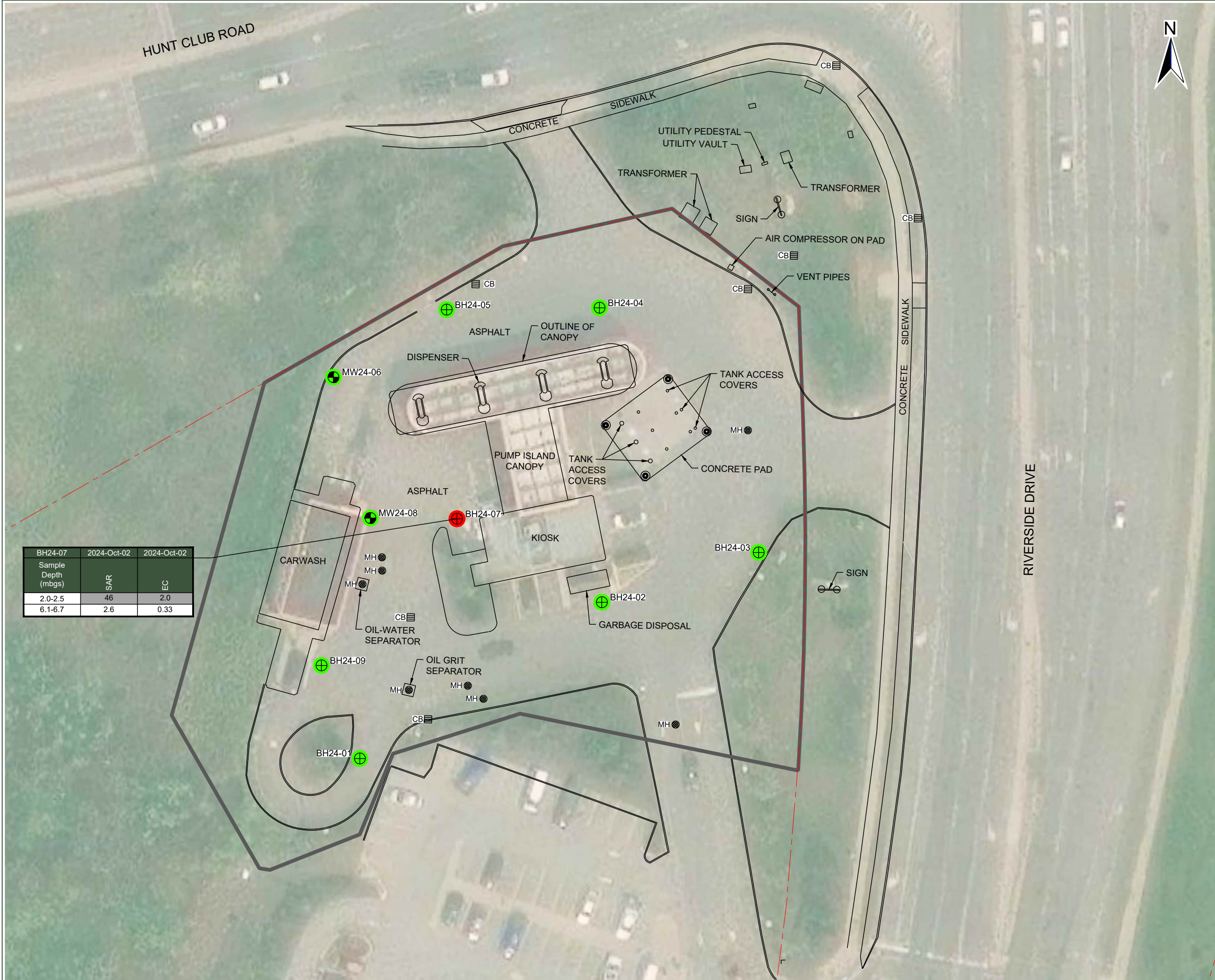


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PHASE II ENVIRONMENTAL SITE INVESTIGATION

**SOIL ANALYTICAL RESULTS -  
POLYCYCLIC AROMATIC HYDROCARBONS**

Cadfile name: S\_216-030059-00002-A1.dwg



| BH24-07             | 2024-Oct-02 | 2024-Oct-02 |
|---------------------|-------------|-------------|
| Sample Depth (mbgs) | SAR         | EC          |
| 2.0-2.5             | 46          | 2.0         |
| 6.1-6.7             | 2.6         | 0.33        |

LEGEND:

APPROXIMATE PROPERTY BOUNDARY

SITE BOUNDARY

BOREHOLE

MONITORING WELL

TANK NEST MONITORING WELL

UTILITIES AND SYMBOLS

MANHOLE

CATCH BASIN

SOIL LABORATORY ANALYSIS RESULTS

CONCENTRATIONS LESS THAN OR EQUAL TO APPLICABLE REGULATORY STANDARDS

CONCENTRATION(S) GREATER THAN APPLICABLE REGULATORY STANDARDS

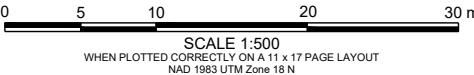
| PARAMETER | MECP TABLE 3 FOR INDUSTRIAL COMMERCIAL OR COMMUNITY PROPERTY USE1 (µg/g) |
|-----------|--------------------------------------------------------------------------|
| SAR       | 12                                                                       |
| EC        | 1.4                                                                      |

SAR - Sodium Absorption Ratio  
EC - Electrical Conductivity  
mbgs - Metres below ground surface  
MECP - Ministry of the Environment, Conservation, and Parks  
µg/g - micrograms per gram  
< - less than reported detection limit  
1 - Ontario MECP Table 3 Standards: Full Depth Generic Site Condition Standards in a Non-Potable Water Condition for Industrial/Commercial/Community Property Use in Coarse Textured Soils (April 15, 2011)  
**Bold/Shaded** - indicates parameter greater than Applicable Standard

NOTES:  
NOT A LEGAL SURVEY. DO NOT USE FOR CONSTRUCTION.

REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHIC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE No. 24-10-007-04.  
DATES: FEBRUARY 14, 2024 AND OCTOBER 16, 2024, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY (IMAGE DATE: 2023)



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OTTAWA, ONTARIO

PHASE II ENVIRONMENTAL SITE INVESTIGATION

SOIL ANALYTICAL RESULTS -  
METALS AND INORGANICS



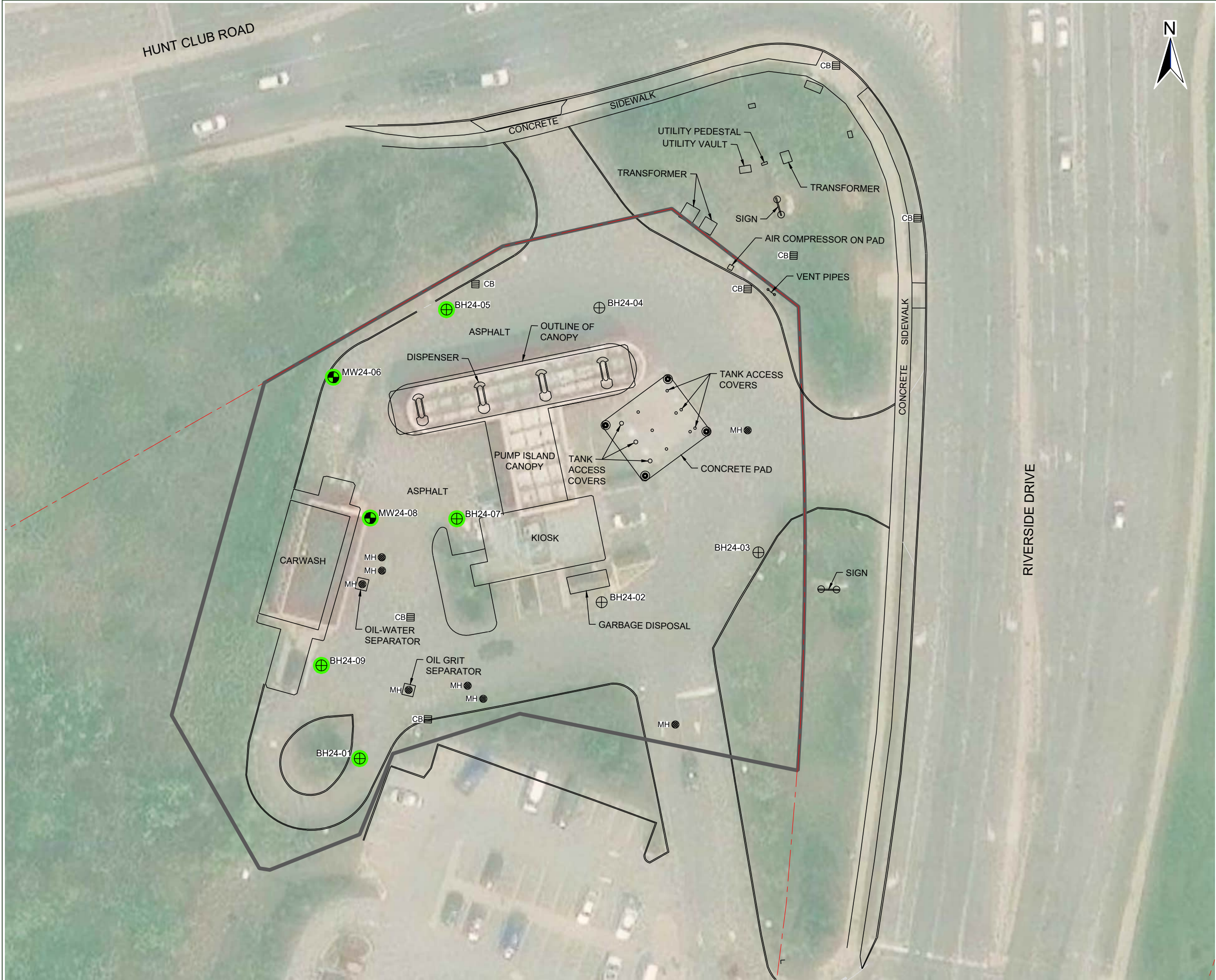
FIGURE NO:

7

DATE: November 25, 2024

PROJECT NO: 216.030059.00002

Cadfile name: S\_216-030059-00002-A1.dwg



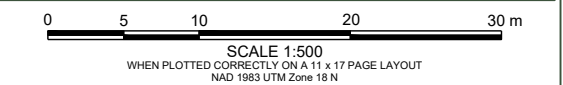
**LEGEND:**

- APPROXIMATE PROPERTY BOUNDARY
- SITE BOUNDARY
- BOREHOLE
- MONITORING WELL
- TANK NEST MONITORING WELL
- UTILITIES AND SYMBOLS
  - MANHOLE
  - CATCH BASIN
- SOIL LABORATORY ANALYSIS RESULTS**
  - CONCENTRATIONS LESS THAN OR EQUAL TO APPLICABLE REGULATORY STANDARDS
  - CONCENTRATION(S) GREATER THAN APPLICABLE REGULATORY STANDARDS

**NOTES:**  
NOT A LEGAL SURVEY. DO NOT USE FOR CONSTRUCTION.

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DATES: FEBRUARY 14, 2024 AND OCTOBER 16, 2024, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY (IMAGE DATE: 2023)



SUNCOR ENERGY PRODUCTS PARTNERSHIP  
35197  
4000 RIVERSIDE DRIVE  
OTTAWA, ONTARIO

PHASE II ENVIRONMENTAL SITE INVESTIGATION

**SOIL ANALYTICAL RESULTS - GLYCOLS**

**SLR**

FIGURE NO:  
**8**

DATE: November 25, 2024 PROJECT NO: 216.030059.00002

Cadfile name: S\_216-030059-00002-A1.dwg



**LEGEND:**

--- APPROXIMATE PROPERTY BOUNDARY

▮ SITE BOUNDARY

⊕ BOREHOLE

⊗ MONITORING WELL

⊙ TANK NEST MONITORING WELL

UTILITIES AND SYMBOLS

MH ⊗ MANHOLE

CB ▮ CATCH BASIN

**GROUNDWATER LABORATORY ANALYSIS RESULTS**

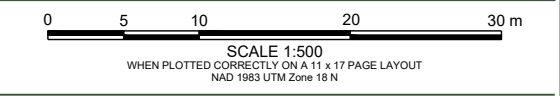
● CONCENTRATIONS LESS THAN OR EQUAL TO THE APPLICABLE REGULATORY STANDARDS

● CONCENTRATION(S) GREATER THAN THE APPLICABLE REGULATORY STANDARDS

**NOTES:**  
NOT A LEGAL SURVEY. DO NOT USE FOR CONSTRUCTION.

REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHIC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE No. 24-10-007-04,  
DATES: FEBRUARY 14, 2024 AND OCTOBER 16, 2024, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY (IMAGE DATE: 2023)



SUNCOR ENERGY PRODUCTS PARTNERSHIP  
35197  
4000 RIVERSIDE DRIVE  
OTTAWA, ONTARIO

PHASE II ENVIRONMENTAL SITE INVESTIGATION

**GROUNDWATER ANALYTICAL RESULTS -  
PETROLEUM HYDROCARBONS**

Cadfile name: S\_216-030059-00002-A1.dwg



**LEGEND:**

--- APPROXIMATE PROPERTY BOUNDARY

▮ SITE BOUNDARY

⊕ BOREHOLE

⊗ MONITORING WELL

⊙ TANK NEST MONITORING WELL

**UTILITIES AND SYMBOLS**

MH ⊗ MANHOLE

CB ▮ CATCH BASIN

**GROUNDWATER LABORATORY ANALYSIS RESULTS**

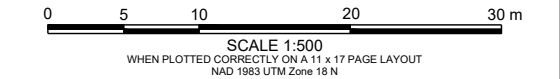
● CONCENTRATIONS LESS THAN OR EQUAL TO THE APPLICABLE REGULATORY STANDARDS

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PHASE II ENVIRONMENTAL SITE INVESTIGATION

**GROUNDWATER ANALYTICAL RESULTS -  
VOLATILE ORGANIC COMPOUNDS**



FIGURE NO:  
**10**

Cadfile name: S\_216-030059-00002-A1.dwg



**LEGEND:**

- APPROXIMATE PROPERTY BOUNDARY
- SITE BOUNDARY
- BOREHOLE
- MONITORING WELL
- TANK NEST MONITORING WELL
- UTILITIES AND SYMBOLS
- MANHOLE
- CATCH BASIN

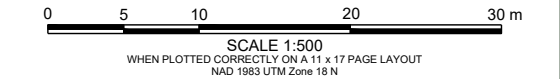
**GROUNDWATER LABORATORY ANALYSIS RESULTS**

- CONCENTRATIONS LESS THAN OR EQUAL TO THE APPLICABLE REGULATORY STANDARDS
- CONCENTRATION(S) GREATER THAN THE APPLICABLE REGULATORY STANDARDS

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PHASE II ENVIRONMENTAL SITE INVESTIGATION

**GROUNDWATER ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS**



FIGURE NO:  
**11**

Cadfile name: S\_216-030059-00002-A1.dwg



**LEGEND:**

--- APPROXIMATE PROPERTY BOUNDARY

▮ SITE BOUNDARY

⊕ BOREHOLE

⊗ MONITORING WELL

⊙ TANK NEST MONITORING WELL

UTILITIES AND SYMBOLS

MH ⊗ MANHOLE

CB ▮ CATCH BASIN

**GROUNDWATER LABORATORY ANALYSIS RESULTS**

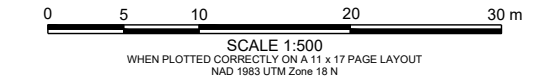
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PHASE II ENVIRONMENTAL SITE INVESTIGATION

**GROUNDWATER ANALYTICAL RESULTS - DISSOLVED METALS**

 **FIGURE NO: 12**

Cadfile name: S\_216-030059-00002-A1.dwg



**LEGEND:**

--- APPROXIMATE PROPERTY BOUNDARY

▮ SITE BOUNDARY

⊕ BOREHOLE

⊗ MONITORING WELL

⊙ TANK NEST MONITORING WELL

UTILITIES AND SYMBOLS

MH ⊗ MANHOLE

CB ▮ CATCH BASIN

**GROUNDWATER LABORATORY ANALYSIS RESULTS**

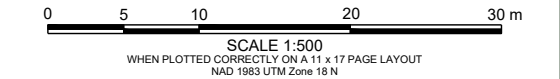
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IMAGERY: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY (IMAGE DATE: 2023)



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OTTAWA, ONTARIO

PHASE II ENVIRONMENTAL SITE INVESTIGATION

**GROUNDWATER ANALYTICAL RESULTS - GLYCOLS**



FIGURE NO:  
**13**



# Appendix A    Field Methods

## **Phase II Environmental Site Investigation**

Active Petro-Canada Retail Fuel Outlet No. 35197  
4000 Riverside Drive, Ottawa, Ontario

**Suncor Energy Products Partnership**

SLR Project No.: 216.030059.00002

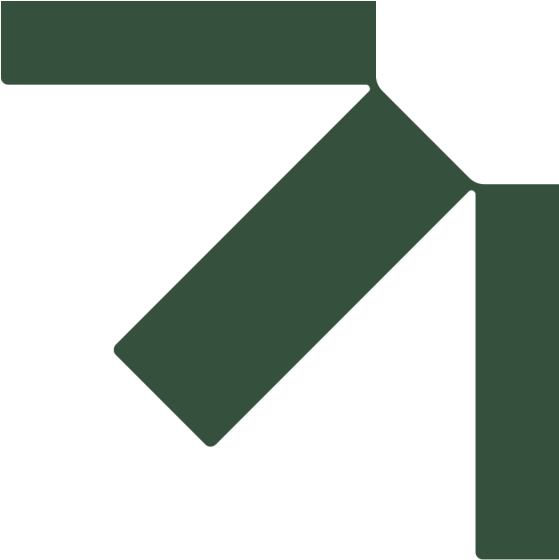
November 25, 2024

## Appendix A Field Methods

**Field Methods:** Soil samples were collected from daylighted boreholes by SLR using a stainless-steel sidewall scraper from 0.5 metre intervals and during drilling from 0.6 metre split spoons. Boreholes were described in a continuous manner where possible with a descriptive geological and hydrogeological log that recorded soil stratigraphy and classification, fill material identification, indicators of moisture content, colour, appearance, and odour in general accordance with the Unified Soil Classification System. Each soil sample was split into two; the first half was placed in laboratory-supplied containers for possible laboratory analysis, while the other half was placed into a re-sealable plastic bag and warmed to room temperature for the collection of relative organic vapour concentrations (headspace vapour readings/headspace screening). Soils collected for laboratory analysis were placed in methanol preserved vials, 120- or 250-mL glass jars under cold storage prior to their submission to the laboratory. Soil bags were used for submission for grain size analysis. Relative organic vapour concentrations were measured from the sample headspace using a calibrated RKI Eagle II combustible gas and photoionization detector (PID) (calibrated to 1650 parts per million (ppm) hexane and 100 ppm isobutylene and operated in methane elimination mode). Soil samples intended for laboratory analysis were collected from the area of the water table or were chosen based on headspace vapour readings in conjunction with olfactory observations and professional judgement. The “worst case” soil samples were submitted under Chain of Custody (COC) protocol to Bureau Veritas (BV) Laboratories in Mississauga, Ontario, for analysis of one or more of the following parameters: Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) and Petroleum Hydrocarbons (PHCs), Volatile Organic Compounds (VOCs), Polycyclic Aromatic Hydrocarbons (PAHs), Metals/Inorganics, and Glycols. Soil samples were also submitted for pH and Grain Size analyses in support of table standard selection.

Prior to sampling the newly installed monitoring wells, the headspace vapour levels (HSVLs) at each monitoring well were measured by placing the nozzle of the RKI Eagle II inside the monitoring well casing, immediately following removal of the well cap. SLR measured the groundwater levels in the monitoring wells using a Solinst™ interface probe. The low- flow sampling method was utilized and involved the extraction of groundwater at rates comparable to ambient groundwater flow to reduce the level of drawdown and the mixing of stagnant water with water from the screened intake area. A bladder pump with High Density Polyethylene (HDPE) tubing (affixed using silicon tubing) paired with a water quality meter (Horiba U-52) extracted the water and collected geochemical measurements. Geochemical parameters (temperature, pH, conductivity, dissolved oxygen [DO], and turbidity) of the purged water was monitored for stabilization before collecting a water sample representative of the formation water. The groundwater samples were collected in laboratory prepared sample containers with the appropriate preservatives added and field filtered (metals only). The groundwater samples were then placed in ice filled and insulated coolers and were submitted under COC protocol to BV Laboratories in Mississauga, Ontario, for analysis of one or more of the following: BTEX and PHCs, VOCs, PAHs, dissolved metals, and Glycols.





# Appendix B    Borehole Logs

## Phase II Environmental Site Investigation

Active Petro-Canada Retail Fuel Outlet No. 35197  
4000 Riverside Drive, Ottawa, Ontario

**Suncor Energy Products Partnership**

SLR Project No.: 216.030059.00002

November 25, 2024

| SLR CONSULTING (CANADA) LTD.                        |             |                  |           | CLIENT: Suncor Energy Products Partnership<br>PROJECT: Phase II Environmental Site Investigation<br>ADDRESS: 4000 Riverside Drive Ottawa, ON<br>SLR JOB NO: 216.030059.00002 |                                                 | BOREHOLE LOG                |    |                                            |      |       |                     |                       |               |
|-----------------------------------------------------|-------------|------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------|----|--------------------------------------------|------|-------|---------------------|-----------------------|---------------|
|                                                     |             |                  |           |                                                                                                                                                                              |                                                 | BOREHOLE NO: BH24-01        |    | UTM COORDINATES 5020225.327 N 445596.393 E |      |       |                     |                       |               |
|                                                     |             |                  |           |                                                                                                                                                                              |                                                 | SURFACE ELEVATION: 102.86 m |    |                                            |      |       |                     |                       |               |
| DEPTH (m)                                           | SAMPLE TYPE | SAMPLE ID        | SPT COUNT | SOIL TYPE                                                                                                                                                                    | SOIL DESCRIPTION                                | FIELD TEST DATA             |    |                                            |      |       | BOREHOLE COMPLETION | WELL COMPLETION NOTES | ELEVATION (m) |
|                                                     |             |                  |           |                                                                                                                                                                              |                                                 | ORGANIC VAPOUR LEVEL (ppmv) |    |                                            |      |       |                     |                       |               |
|                                                     |             |                  |           |                                                                                                                                                                              |                                                 | 1                           | 10 | 100                                        | 1000 | 10000 |                     |                       |               |
| 1                                                   |             | BH24-01-0-0.5    |           |                                                                                                                                                                              | Asphalt                                         |                             |    |                                            |      |       |                     | Concrete              | 102           |
|                                                     |             | BH24-01-0.5-1.0  |           |                                                                                                                                                                              | Fill - Gravel                                   |                             |    |                                            |      |       |                     |                       |               |
|                                                     |             | BH24-01-1.0-1.5* |           |                                                                                                                                                                              | some coarse sand, dark brown, moist             |                             |    |                                            |      |       |                     |                       |               |
|                                                     |             | BH24-01-1.5-2.0  |           |                                                                                                                                                                              | Sand                                            |                             |    |                                            |      |       |                     |                       |               |
|                                                     |             | BH24-01-2.0-2.4  |           |                                                                                                                                                                              | coarse, trace to some gravel, dark brown, moist |                             |    |                                            |      |       |                     |                       |               |
|                                                     |             | BH24-01-2.4-3.0  |           |                                                                                                                                                                              | trace gravel                                    |                             |    |                                            |      |       |                     |                       |               |
|                                                     |             | BH24-01-3.0-3.6  | 22        |                                                                                                                                                                              |                                                 |                             |    |                                            |      |       |                     |                       |               |
|                                                     |             | BH24-01-3.8-4.4  | 20        |                                                                                                                                                                              | medium to coarse                                |                             |    |                                            |      |       |                     | bentonite seal        |               |
|                                                     |             | BH24-01-4.6-5.2  | 21        |                                                                                                                                                                              | coarse, some gravel seams                       |                             |    |                                            |      |       |                     |                       |               |
|                                                     |             | BH24-01-5.3-5.9  | 17        |                                                                                                                                                                              | medium                                          |                             |    |                                            |      |       |                     |                       |               |
| 2                                                   |             | BH24-01-6.1-6.7* | 20        |                                                                                                                                                                              | fine, some faint oxidation                      |                             |    |                                            |      |       |                     |                       |               |
|                                                     |             |                  | 22        |                                                                                                                                                                              |                                                 |                             |    |                                            |      |       |                     |                       |               |
| End of borehole at 6.7 m                            |             |                  |           |                                                                                                                                                                              |                                                 |                             |    |                                            |      |       |                     |                       |               |
| * denotes soil sample taken for laboratory analysis |             |                  |           |                                                                                                                                                                              |                                                 |                             |    |                                            |      |       |                     |                       |               |
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|                                                     |             |                  |           |                                                                                                                                                                              |                                                 |                             |    |                                            |      |       |                     |                       |               |
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SLR CANADA V7.0 BOREHOLE LOGS\_SUNCOR OTTAWA\_4000 RIVERSIDE DR. OCTOBER 18 2024.GPJ SLR\_CAN V5.2.GDT 10/31/24





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| <div></div> <div>CLIENT: Suncor Energy Products Partnership<br/>PROJECT: Phase II Environmental Site Investigation<br/>ADDRESS: 4000 Riverside Drive Ottawa, ON<br/>SLR JOB NO: 216.030059.00002</div> |             |                  |           | <div>BOREHOLE LOG</div> <div>BOREHOLE NO: BH24-04</div> <div>UTM COORDINATES 5020286.479 N<br/>SURFACE ELEVATION: 102.30 m 445628.894 E</div> |                                                           |                             |    |     |      |              |                     |                       |               |
| DEPTH (m)                                                                                                                                                                                                                                                                              | SAMPLE TYPE | SAMPLE ID        | SPT COUNT | SOIL TYPE                                                                                                                                     | SOIL DESCRIPTION                                          | FIELD TEST DATA             |    |     |      |              | BOREHOLE COMPLETION | WELL COMPLETION NOTES | ELEVATION (m) |
|                                                                                                                                                                                                                                                                                        |             |                  |           |                                                                                                                                               |                                                           | ORGANIC VAPOUR LEVEL (ppmv) |    |     |      |              |                     |                       |               |
|                                                                                                                                                                                                                                                                                        |             |                  |           |                                                                                                                                               |                                                           | 1                           | 10 | 100 | 1000 | 10000        |                     |                       |               |
| 1                                                                                                                                                                                                                                                                                      | Grub        | BH24-04 0-0.5    |           | Asphalt                                                                                                                                       | Asphalt                                                   | 0                           |    |     |      |              |                     | Concrete              | 102           |
|                                                                                                                                                                                                                                                                                        | Grub        | BH24-04 0.5-1.0* |           | Fill - Gravel                                                                                                                                 | dark brown, moist                                         | 20                          |    |     |      |              |                     |                       |               |
|                                                                                                                                                                                                                                                                                        | Grub        | BH24-04 1.0-1.5  |           | Fill - Sand                                                                                                                                   | inferred loose, coarse sand, oxidation, dark brown, moist | 15                          |    |     |      |              |                     |                       | 101           |
| 2                                                                                                                                                                                                                                                                                      | Grub        | BH24-04 1.5-2.0  |           |                                                                                                                                               | well graded                                               | 20                          |    |     |      |              |                     |                       |               |
|                                                                                                                                                                                                                                                                                        | Grub        | BH24-04 2.0-2.4  | 5         | Sand                                                                                                                                          |                                                           | 5                           |    |     |      |              |                     |                       | 100           |
| 3                                                                                                                                                                                                                                                                                      | Grub        | BH24-04 2.4-3.0  | 8         |                                                                                                                                               | coarse, trace gravel, brown, moist                        | 35                          |    |     |      |              |                     |                       |               |
|                                                                                                                                                                                                                                                                                        | Grub        | BH24-04 3.0-3.6* |           |                                                                                                                                               |                                                           | 15                          |    |     |      |              |                     | bentonite seal        | 99            |
| 4                                                                                                                                                                                                                                                                                      | Grub        | BH24-04 3.8-4.4  | 25        |                                                                                                                                               | trace to some gravel                                      | 15                          |    |     |      |              |                     |                       | 98            |
| 5                                                                                                                                                                                                                                                                                      | Grub        | BH24-04 4.6-5.2  | 29        |                                                                                                                                               | some gravel                                               | 5                           |    |     |      |              |                     |                       |               |
|                                                                                                                                                                                                                                                                                        | Grub        | BH24-04 5.3-5.9  | 25        |                                                                                                                                               | trace gravel                                              | 5                           |    |     |      |              |                     |                       | 97            |
| 6                                                                                                                                                                                                                                                                                      | Grub        | BH24-04 6.1-6.7* | 26        |                                                                                                                                               | fine to medium                                            | 10                          |    |     |      |              |                     |                       | 96            |
|                                                                                                                                                                                                                                                                                        |             |                  |           |                                                                                                                                               | End of borehole at 6.7 m                                  |                             |    |     |      |              |                     |                       |               |
|                                                                                                                                                                                                                                                                                        |             |                  |           |                                                                                                                                               | * denotes soil sample taken for laboratory analysis       |                             |    |     |      |              |                     |                       |               |
| DRILLING METHOD: Hollow Stem Auger Drilling<br>BOREHOLE DIAMETER: 0.152 m (OD)<br>DRILL DATE: 2024-Oct-10                                                                                                                                                                              |             |                  |           |                                                                                                                                               | Notes:  GRAB SAMPLE<br>SPLIT SPOON                        |                             |    |     |      | Sheet 1 of 1 |                     |                       |               |

| SLR CONSULTING (CANADA) LTD. |             |                  |           | CLIENT: Suncor Energy Products Partnership<br>PROJECT: Phase II Environmental Site Investigation<br>ADDRESS: 4000 Riverside Drive Ottawa, ON<br>SLR JOB NO: 216.030059.00002 |                                                     | BOREHOLE LOG                |    |     |      |                                                 |                     |                       |               |
|------------------------------|-------------|------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------|----|-----|------|-------------------------------------------------|---------------------|-----------------------|---------------|
|                              |             |                  |           |                                                                                                                                                                              |                                                     | BOREHOLE NO: BH24-05        |    |     |      | UTM COORDINATES<br>5020286.242 N<br>445608.19 E |                     |                       |               |
|                              |             |                  |           |                                                                                                                                                                              |                                                     | SURFACE ELEVATION: 102.28 m |    |     |      |                                                 |                     |                       |               |
| DEPTH (m)                    | SAMPLE TYPE | SAMPLE ID        | SPT COUNT | SOIL TYPE                                                                                                                                                                    | SOIL DESCRIPTION                                    | FIELD TEST DATA             |    |     |      |                                                 | BOREHOLE COMPLETION | WELL COMPLETION NOTES | ELEVATION (m) |
|                              |             |                  |           |                                                                                                                                                                              |                                                     | ORGANIC VAPOUR LEVEL (ppmv) |    |     |      |                                                 |                     |                       |               |
|                              |             |                  |           |                                                                                                                                                                              |                                                     | 1                           | 10 | 100 | 1000 | 10000                                           |                     |                       |               |
|                              |             | BH24-05-0-0.5    |           |                                                                                                                                                                              | Asphalt                                             |                             |    |     |      |                                                 |                     | Concrete              | 102           |
| 1                            |             | BH24-05-0.5-1.0  |           |                                                                                                                                                                              | Fill - Gravel<br>some sand, dark brown, moist       |                             |    |     |      |                                                 |                     |                       |               |
|                              |             | BH24-05-1.0-1.5* |           |                                                                                                                                                                              | Sand                                                |                             |    |     |      |                                                 |                     |                       |               |
| 2                            |             | BH24-05-1.5-2.0  |           |                                                                                                                                                                              | coarse, trace gravel, brown, moist                  |                             |    |     |      |                                                 |                     |                       |               |
|                              |             | BH24-05-2.0-2.4  | 23        |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       | 100           |
| 3                            |             | BH24-05-2.4-3.0  |           |                                                                                                                                                                              | fine to medium                                      |                             |    |     |      |                                                 |                     | bentonite seal        | 99            |
|                              |             | BH24-05-3.0-3.6  | 25        |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
| 4                            |             | BH24-05-3.8-4.4  |           |                                                                                                                                                                              | medium to coarse                                    |                             |    |     |      |                                                 |                     |                       | 98            |
|                              |             | BH24-05-4.6-5.2  | 17        |                                                                                                                                                                              | moist to wet                                        |                             |    |     |      |                                                 |                     |                       |               |
| 5                            |             | BH24-05-5.3-5.9  |           |                                                                                                                                                                              | medium to fine                                      |                             |    |     |      |                                                 |                     |                       | 97            |
|                              |             | BH24-05-6.1-6.7* | 22        |                                                                                                                                                                              | fine to medium, moist                               |                             |    |     |      |                                                 |                     |                       |               |
| 6                            |             |                  | 23        |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       | 96            |
|                              |             |                  |           |                                                                                                                                                                              | End of borehole at 6.7 m                            |                             |    |     |      |                                                 |                     |                       |               |
|                              |             |                  |           |                                                                                                                                                                              | * denotes soil sample taken for laboratory analysis |                             |    |     |      |                                                 |                     |                       |               |
|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
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|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
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|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
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|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
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|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
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|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
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|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
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|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
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|                              |             |                  |           |                                                                                                                                                                              |                                                     |                             |    |     |      |                                                 |                     |                       |               |
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SLR CANADA V7.0 BOREHOLE LOGS\_SUNCOR OTTAWA\_4000 RIVERSIDE DR. OCTOBER 18 2024.GPJ SLR\_CAN V5.2.GDT 10/31/24

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|                                                                                           |                                                                                    | CLIENT: Suncor Energy Products Partnership<br>PROJECT: Phase II Environmental Site Investigation<br>ADDRESS: 4000 Riverside Drive Ottawa, ON<br>SLR JOB NO: 216.030059.00002 |                                                                                     | BOREHOLE LOG<br>BOREHOLE NO: BH24-06<br>SURFACE ELEVATION: 102.77 m                |                                                                                                                                                                                                           | UTM COORDINATES<br>5020277.067 N<br>445592.815 E                                  |    |     |      |              |                            |                       |                       |     |  |
| SLR CONSULTING (CANADA) LTD.                                                                                                                                              |                                                                                    |                                                                                                                                                                              |                                                                                     |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| DEPTH (m)                                                                                                                                                                 | SAMPLE TYPE                                                                        | SAMPLE ID                                                                                                                                                                    | SPT COUNT                                                                           | SOIL TYPE                                                                          | SOIL DESCRIPTION                                                                                                                                                                                          | FIELD TEST DATA                                                                   |    |     |      |              | MONITORING WELL COMPLETION | WELL COMPLETION NOTES | ELEVATION (m)         |     |  |
|                                                                                                                                                                           |                                                                                    |                                                                                                                                                                              |                                                                                     |                                                                                    |                                                                                                                                                                                                           | ORGANIC VAPOUR LEVEL (ppmv)                                                       |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    |                                                                                                                                                                              |                                                                                     |                                                                                    |                                                                                                                                                                                                           | 1                                                                                 | 10 | 100 | 1000 | 10000        |                            |                       |                       |     |  |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17                                                                                 |  | BH24-06-0-0.5                                                                                                                                                                |                                                                                     |  | Asphalt                                                                                                                                                                                                   |  |    |     |      |              |                            |                       | roadbox, plug, cement | 102 |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-0.5-1.0                                                                                                                                                              |                                                                                     |                                                                                    | Fill - Gravel                                                                                                                                                                                             |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-1.0-1.5                                                                                                                                                              |                                                                                     |                                                                                    | some sand, dark brown, moist                                                                                                                                                                              |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-1.5-2.0*                                                                                                                                                             |                                                                                     |                                                                                    | Fill - Sand                                                                                                                                                                                               |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-2.0-2.4                                                                                                                                                              | 16                                                                                  |                                                                                    | coarse, well graded, dark brown, moist                                                                                                                                                                    |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-2.4-3.0                                                                                                                                                              | 18                                                                                  |                                                                                    |                                                                                                                                                                                                           |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-3.0-3.6                                                                                                                                                              |                                                                                     |                                                                                    | Sand                                                                                                                                                                                                      |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    |                                                                                                                                                                              |                                                                                     |                                                                                    | coarse, brown, moist                                                                                                                                                                                      |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-3.8-4.4                                                                                                                                                              | 16                                                                                  |                                                                                    |                                                                                                                                                                                                           |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-4.6-5.2                                                                                                                                                              | 18                                                                                  |                                                                                    | medium                                                                                                                                                                                                    |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-5.3-5.9                                                                                                                                                              | 24                                                                                  |                                                                                    |                                                                                                                                                                                                           |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-6.1-6.7                                                                                                                                                              | 21                                                                                  |                                                                                    | medium to coarse                                                                                                                                                                                          |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-6.9-7.5                                                                                                                                                              | 21                                                                                  |                                                                                    |                                                                                                                                                                                                           |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-7.6-8.2                                                                                                                                                              | 29                                                                                  |                                                                                    | medium                                                                                                                                                                                                    |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-8.4-9.0*                                                                                                                                                             | 24                                                                                  |                                                                                    | trace gravel                                                                                                                                                                                              |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-9.2-9.8*                                                                                                                                                             | 31                                                                                  |                                                                                    |                                                                                                                                                                                                           |  |    |     |      |              |                            |                       |                       |     |  |
|                                                                                                                                                                           |                                                                                    | BH24-06-9.9-10.5                                                                                                                                                             | 30                                                                                  |                                                                                    | fine, orange oxidation                                                                                                                                                                                    |  |    |     |      |              |                            |                       |                       |     |  |
| BH24-06-10.7-11.3                                                                                                                                                         | 34                                                                                 | fine to medium                                                                                                                                                               |   |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| BH24-06-11.4-12.0*                                                                                                                                                        | 36                                                                                 | striations, trace oxidation, moist to wet                                                                                                                                    |  |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| BH24-06-12.2-12.8                                                                                                                                                         | 34                                                                                 |                                                                                                                                                                              |  |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| BH24-06-13.0-13.6                                                                                                                                                         | 34                                                                                 | moist                                                                                                                                                                        |  |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| BH24-06-13.7-14.3                                                                                                                                                         | 37                                                                                 | fine, moist to wet                                                                                                                                                           |  |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| BH24-06-14.5-15.1                                                                                                                                                         | 41                                                                                 |                                                                                                                                                                              |  |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| BH24-06-15.2-15.8                                                                                                                                                         | 33                                                                                 | wet                                                                                                                                                                          |  |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| BH24-06-16.0-16.6*                                                                                                                                                        | 36                                                                                 | some orange oxidation, moist to wet                                                                                                                                          |  |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| BH24-06-16.8-17.4*                                                                                                                                                        | 30                                                                                 | saturated                                                                                                                                                                    |  |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| End of borehole at 17.4 m                                                                                                                                                 |                                                                                    |                                                                                                                                                                              |                                                                                     |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| Well Completion Details:<br>Screened interval from 14.9 m to 17.4 m below surface<br>Elevation at top of casing (TOC) = 102.686 m                                         |                                                                                    |                                                                                                                                                                              |                                                                                     |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| Groundwater Information:<br>Depth to groundwater from TOC = 16.47 m (October 18, 2024)                                                                                    |                                                                                    |                                                                                                                                                                              |                                                                                     |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| * denotes soil sample taken for laboratory analysis                                                                                                                       |                                                                                    |                                                                                                                                                                              |                                                                                     |                                                                                    |                                                                                                                                                                                                           |                                                                                   |    |     |      |              |                            |                       |                       |     |  |
| DRILLING METHOD: Hollow Stem Auger Drilling<br>BOREHOLE DIAMETER: 0.152 m (OD)<br>DRILL DATE: 2024-Oct-08<br>LOGGED BY: MS<br>DRILLED BY: Geo-Environmental Drilling Inc. |                                                                                    |                                                                                                                                                                              |                                                                                     |                                                                                    | Notes:  GRAB SAMPLE<br> SPLIT SPOON |                                                                                   |    |     |      | Sheet 1 of 1 |                            |                       |                       |     |  |

SLR CANADA V7.0 BOREHOLE LOGS\_SUNCOR OTTAWA 4000 RIVERSIDE DR. OCTOBER 18 2024.GPJ SLR CAN V5.2.GDT 10/31/24

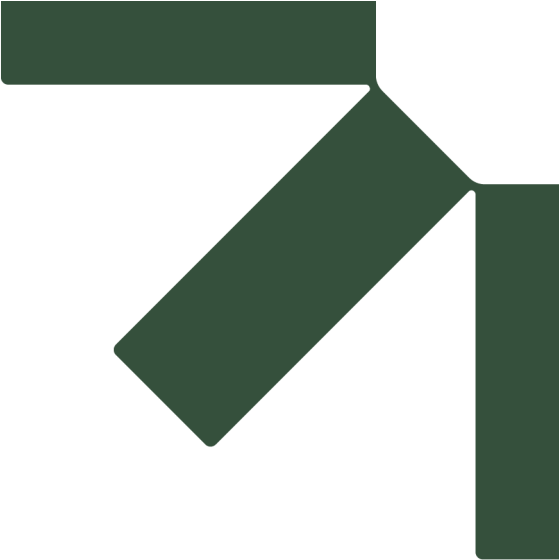


| SLR CONSULTING (CANADA) LTD.                                                                                                      |                    |                  |           | CLIENT: Suncor Energy Products Partnership<br>PROJECT: Phase II Environmental Site Investigation<br>ADDRESS: 4000 Riverside Drive Ottawa, ON<br>SLR JOB NO: 216.030059.00002 |                                            | BOREHOLE LOG                                                                                           |    |     |      |       |                                                  |                       |                       |        |  |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------|----|-----|------|-------|--------------------------------------------------|-----------------------|-----------------------|--------|--|
|                                                                                                                                   |                    |                  |           |                                                                                                                                                                              |                                            | BOREHOLE NO: BH24-08                                                                                   |    |     |      |       | UTM COORDINATES<br>5020257.963 N<br>445597.817 E |                       |                       |        |  |
|                                                                                                                                   |                    |                  |           |                                                                                                                                                                              |                                            | SURFACE ELEVATION: 103.06 m                                                                            |    |     |      |       |                                                  |                       |                       |        |  |
| DEPTH (m)                                                                                                                         | SAMPLE TYPE        | SAMPLE ID        | SPT COUNT | SOIL TYPE                                                                                                                                                                    | SOIL DESCRIPTION                           | FIELD TEST DATA                                                                                        |    |     |      |       | MONITORING WELL COMPLETION                       | WELL COMPLETION NOTES | ELEVATION (m)         |        |  |
|                                                                                                                                   |                    |                  |           |                                                                                                                                                                              |                                            | ORGANIC VAPOUR LEVEL (ppmv)                                                                            |    |     |      |       |                                                  |                       |                       |        |  |
|                                                                                                                                   |                    |                  |           |                                                                                                                                                                              |                                            | 1                                                                                                      | 10 | 100 | 1000 | 10000 |                                                  |                       |                       |        |  |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17                                         |                    | BH24-08-0-0.5    |           |                                                                                                                                                                              | Asphalt                                    |                                                                                                        |    |     |      |       |                                                  |                       | roadbox, plug, cement | 102.96 |  |
|                                                                                                                                   |                    | BH24-08-0.5-1.0  |           |                                                                                                                                                                              | Fill - Gravel                              |                                                                                                        |    |     |      |       |                                                  |                       |                       |        |  |
|                                                                                                                                   |                    | BH24-08-1.0-1.5* |           |                                                                                                                                                                              | trace to some sand, brown, moist           |                                                                                                        |    |     |      |       |                                                  |                       |                       | 102.86 |  |
|                                                                                                                                   |                    | BH24-08-1.5-2.0  |           |                                                                                                                                                                              | Sand                                       |                                                                                                        |    |     |      |       |                                                  |                       |                       | 102.71 |  |
|                                                                                                                                   |                    | BH24-08-2.0-2.4  |           |                                                                                                                                                                              | medium, trace to some gravel, brown, moist |                                                                                                        |    |     |      |       |                                                  |                       |                       | 102.56 |  |
|                                                                                                                                   |                    | BH24-08-2.4-3.0  | 8         |                                                                                                                                                                              | medium to coarse, trace gravel             |                                                                                                        |    |     |      |       |                                                  |                       |                       | 102.41 |  |
|                                                                                                                                   |                    | BH24-08-3.0-3.6  | 12        |                                                                                                                                                                              | coarse, light brown                        |                                                                                                        |    |     |      |       |                                                  |                       |                       | 102.26 |  |
|                                                                                                                                   |                    |                  |           |                                                                                                                                                                              | medium to coarse, brown                    |                                                                                                        |    |     |      |       |                                                  |                       |                       | 102.11 |  |
|                                                                                                                                   |                    | BH24-08-3.8-4.4  | 18        |                                                                                                                                                                              | medium                                     |                                                                                                        |    |     |      |       |                                                  |                       |                       | 101.96 |  |
|                                                                                                                                   |                    |                  |           |                                                                                                                                                                              | gravel seam                                |                                                                                                        |    |     |      |       |                                                  |                       |                       | 101.81 |  |
|                                                                                                                                   |                    | BH24-08-4.6-5.2  | 17        |                                                                                                                                                                              | fine                                       |                                                                                                        |    |     |      |       |                                                  |                       |                       | 101.66 |  |
|                                                                                                                                   |                    | BH24-08-5.3-5.9  | 17        |                                                                                                                                                                              | fine to medium                             |                                                                                                        |    |     |      |       |                                                  |                       |                       | 101.51 |  |
|                                                                                                                                   |                    | BH24-08-6.1-6.7* | 17        |                                                                                                                                                                              |                                            |                                                                                                        |    |     |      |       |                                                  |                       |                       | 101.36 |  |
|                                                                                                                                   |                    | BH24-08-6.9-7.5  | 19        |                                                                                                                                                                              | fine                                       |                                                                                                        |    |     |      |       |                                                  |                       |                       | 101.21 |  |
|                                                                                                                                   |                    | BH24-08-7.6-8.2  | 19        |                                                                                                                                                                              |                                            |                                                                                                        |    |     |      |       |                                                  |                       | bentonite seal        | 101.06 |  |
|                                                                                                                                   |                    | BH24-08-8.4-9.0  | 20        |                                                                                                                                                                              |                                            |                                                                                                        |    |     |      |       |                                                  |                       |                       | 100.91 |  |
|                                                                                                                                   |                    | BH24-08-9.2-9.8  | 20        |                                                                                                                                                                              | fine to medium                             |                                                                                                        |    |     |      |       |                                                  |                       |                       | 100.76 |  |
|                                                                                                                                   | BH24-08-9.9-10.5   | 24               |           | medium sand                                                                                                                                                                  |                                            |                                                                                                        |    |     |      |       |                                                  |                       | 100.61                |        |  |
|                                                                                                                                   | BH24-08-10.7-11.3  | 29               |           | fine sand, trace oxidation                                                                                                                                                   |                                            |                                                                                                        |    |     |      |       |                                                  |                       | 100.46                |        |  |
|                                                                                                                                   | BH24-08-11.4-12.0* | 33               |           | trace striations                                                                                                                                                             |                                            |                                                                                                        |    |     |      |       |                                                  |                       | 100.31                |        |  |
|                                                                                                                                   | BH24-08-12.2-12.8  | 32               |           |                                                                                                                                                                              |                                            |                                                                                                        |    |     |      |       |                                                  |                       | 100.16                |        |  |
|                                                                                                                                   | BH24-08-13.0-13.6  | 27               |           | orange oxidation                                                                                                                                                             |                                            |                                                                                                        |    |     |      |       |                                                  |                       | 100.01                |        |  |
|                                                                                                                                   | BH24-08-13.7-14.3  | 35               |           | striations                                                                                                                                                                   |                                            |                                                                                                        |    |     |      |       |                                                  |                       | 99.86                 |        |  |
|                                                                                                                                   | BH24-08-14.5-15.1  | 36               |           | very moist                                                                                                                                                                   |                                            |                                                                                                        |    |     |      |       |                                                  |                       | 99.71                 |        |  |
|                                                                                                                                   | BH24-08-15.2-15.8  | 38               |           | some oxidation, moist to wet                                                                                                                                                 |                                            |                                                                                                        |    |     |      |       |                                                  |                       | 99.56                 |        |  |
|                                                                                                                                   | BH24-08-16.0-16.6  | 32               |           | wet to saturated                                                                                                                                                             |                                            |                                                                                                        |    |     |      |       |                                                  |                       | 99.41                 |        |  |
|                                                                                                                                   | BH24-08-16.8-17.4* | 33               |           | saturated                                                                                                                                                                    |                                            |                                                                                                        |    |     |      |       |                                                  |                       | 99.26                 |        |  |
| End of borehole at 17.4 m                                                                                                         |                    |                  |           |                                                                                                                                                                              |                                            |                                                                                                        |    |     |      |       |                                                  |                       |                       |        |  |
| Well Completion Details:<br>Screened interval from 14.9 m to 17.4 m below surface<br>Elevation at top of casing (TOC) = 102.966 m |                    |                  |           |                                                                                                                                                                              |                                            |                                                                                                        |    |     |      |       |                                                  |                       |                       |        |  |
| Groundwater Information:<br>Depth to groundwater from TOC = 16.28 m (October 18, 2024)                                            |                    |                  |           |                                                                                                                                                                              |                                            |                                                                                                        |    |     |      |       |                                                  |                       |                       |        |  |
| * denotes soil sample taken for laboratory analysis                                                                               |                    |                  |           |                                                                                                                                                                              |                                            |                                                                                                        |    |     |      |       |                                                  |                       |                       |        |  |
| DRILLING METHOD: Hollow Stem Auger Drilling                                                                                       |                    |                  |           |                                                                                                                                                                              |                                            | Notes:  GRAB SAMPLE |    |     |      |       |                                                  |                       |                       |        |  |
| BOREHOLE DIAMETER: 0.152 m (OD)                                                                                                   |                    |                  |           |                                                                                                                                                                              |                                            |  SPLIT SPOON        |    |     |      |       |                                                  |                       |                       |        |  |
| DRILL DATE: 2024-Oct-09                                                                                                           |                    |                  |           |                                                                                                                                                                              |                                            | LOGGED BY: MS                                                                                          |    |     |      |       |                                                  |                       |                       |        |  |
|                                                                                                                                   |                    |                  |           |                                                                                                                                                                              |                                            | DRILLED BY: Geo-Environmental Drilling Inc.                                                            |    |     |      |       |                                                  |                       |                       |        |  |
| Sheet 1 of 1                                                                                                                      |                    |                  |           |                                                                                                                                                                              |                                            |                                                                                                        |    |     |      |       |                                                  |                       |                       |        |  |

SLR CANADA V7.0 BOREHOLE LOGS - SUNCOR OTTAWA 4000 RIVERSIDE DR. OCTOBER 18 2024.GPJ SLR CAN V5.2.GDT 10/31/24

| <div>SLR</div> <div>SLR CONSULTING (CANADA) LTD.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |           |           | CLIENT: Suncor Energy Products Partnership<br>PROJECT: Phase II Environmental Site Investigation<br>ADDRESS: 4000 Riverside Drive Ottawa, ON<br>SLR JOB NO: 216.030059.00002 |                  | BOREHOLE LOG                |    |                                                  |      |                     |                       |               |  |
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                                                                                                         |                  | BOREHOLE NO: BH24-09        |    | UTM COORDINATES<br>5020237.954 N<br>445591.199 E |      |                     |                       |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                                         |                  | SURFACE ELEVATION: 103.12 m |    |                                                  |      |                     |                       |               |  |
| DEPTH (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SAMPLE TYPE | SAMPLE ID | SPT COUNT | SOIL TYPE                                                                                                                                                                    | SOIL DESCRIPTION | FIELD TEST DATA             |    |                                                  |      | BOREHOLE COMPLETION | WELL COMPLETION NOTES | ELEVATION (m) |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                                         |                  | ORGANIC VAPOUR LEVEL (ppmv) |    |                                                  |      |                     |                       |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                                         |                  | 1                           | 10 | 100                                              | 1000 | 10000               |                       |               |  |
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SLR CANADA V7.0 BOREHOLE LOGS\_SUNCOR OTTAWA\_4000 RIVERSIDE DR. OCTOBER 18 2024.GPJ SLR\_CAN V5.2.GDT 10/31/24



# Appendix C    Laboratory Certificates of Analysis

## **Phase II Environmental Site Investigation**

Active Petro-Canada Retail Fuel Outlet No. 35197  
4000 Riverside Drive, Ottawa, Ontario

**Suncor Energy Products Partnership**

SLR Project No.: 216.030059.00002

November 25, 2024





**Attention: Matt Williamson**

SLR Consulting (Canada) Ltd.  
201-100 Stone Rd. W.  
Guelph, ON  
Canada N1G 5L3

Your P.O. #: OTT2947  
Your Project #: OTT2947  
Site#: 35197  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your C.O.C. #: C#1013277-01-01

**Report Date: 2024/10/15**  
Report #: R8362654  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C4V3527**

**Received: 2024/10/04, 09:00**

Sample Matrix: Soil  
# Samples Received: 10

| Analyses                                    | Quantity | Date<br>Extracted | Date<br>Analyzed | Laboratory Method | Analytical Method    |
|---------------------------------------------|----------|-------------------|------------------|-------------------|----------------------|
| Methylnaphthalene Sum (1)                   | 9        | N/A               | 2024/10/10       | CAM SOP-00301     | EPA 8270D m          |
| Hot Water Extractable Boron (1)             | 7        | 2024/10/10        | 2024/10/10       | CAM SOP-00408     | R153 Ana. Prot. 2011 |
| Hot Water Extractable Boron (1)             | 1        | 2024/10/10        | 2024/10/11       | CAM SOP-00408     | R153 Ana. Prot. 2011 |
| Hot Water Extractable Boron (1)             | 1        | 2024/10/09        | 2024/10/10       | CAM SOP-00408     | R153 Ana. Prot. 2011 |
| 1,3-Dichloropropene Sum (1)                 | 9        | N/A               | 2024/10/10       |                   | EPA 8260C m          |
| Conductivity (1)                            | 9        | 2024/10/10        | 2024/10/10       | CAM SOP-00414     | OMOE E3530 v1 m      |
| Hexavalent Chromium in Soil by IC (1, 2)    | 8        | 2024/10/10        | 2024/10/10       | CAM SOP-00436     | EPA 3060A/7199 m     |
| Hexavalent Chromium in Soil by IC (1, 2)    | 1        | 2024/10/09        | 2024/10/09       | CAM SOP-00436     | EPA 3060A/7199 m     |
| Petroleum Hydrocarbons F2-F4 in Soil (1, 3) | 1        | 2024/10/10        | 2024/10/11       | CAM SOP-00316     | CCME CWS m           |
| Petroleum Hydrocarbons F2-F4 in Soil (1, 3) | 4        | 2024/10/10        | 2024/10/12       | CAM SOP-00316     | CCME CWS m           |
| Petroleum Hydrocarbons F2-F4 in Soil (1, 3) | 4        | 2024/10/09        | 2024/10/11       | CAM SOP-00316     | CCME CWS m           |
| Glycols in Soil by GC-FID (1)               | 6        | N/A               | 2024/10/09       | CAM SOP-00322     | EPA 8015 m           |
| Acid Extractable Metals by ICPMS (1)        | 9        | 2024/10/10        | 2024/10/11       | CAM SOP-00447     | EPA 6020B m          |
| Moisture (1)                                | 2        | N/A               | 2024/10/08       | CAM SOP-00445     | Carter 2nd ed 70.2 m |
| Moisture (1)                                | 7        | N/A               | 2024/10/09       | CAM SOP-00445     | Carter 2nd ed 70.2 m |
| PAH Compounds in Soil by GC/MS (SIM) (1)    | 9        | 2024/10/09        | 2024/10/10       | CAM SOP-00318     | EPA 8270E            |
| pH CaCl2 EXTRACT (1)                        | 9        | 2024/10/09        | 2024/10/09       | CAM SOP-00413     | EPA 9045 D m         |
| Sieve, 75um (1)                             | 2        | N/A               | 2024/10/10       | CAM SOP-00467     | ASTM D1140 -17 m     |
| Sodium Adsorption Ratio (SAR) (1)           | 9        | N/A               | 2024/10/11       | CAM SOP-00102     | EPA 6010C            |
| Volatile Organic Compounds and F1 PHCs (1)  | 9        | N/A               | 2024/10/09       | CAM SOP-00230     | EPA 8260C m          |

**Remarks:**

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

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

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report.



**Attention: Matt Williamson**

SLR Consulting (Canada) Ltd.  
201-100 Stone Rd. W.  
Guelph, ON  
Canada N1G 5L3

Your P.O. #: OTT2947  
Your Project #: OTT2947  
Site#: 35197  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your C.O.C. #: C#1013277-01-01

**Report Date: 2024/10/15**  
Report #: R8362654  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C4V3527**

**Received: 2024/10/04, 09:00**

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

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

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

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

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

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

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

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

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

Encryption Key



Bureau Veritas

15 Oct 2024 18:04:14

Please direct all questions regarding this Certificate of Analysis to:

Keshani Vijh, Sr. Project Manager

Email: keshani.vijh@bureauveritas.com

Phone# (613) 274-0573

=====

This report has been generated and distributed using a secure automated process.

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



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### RESULTS OF ANALYSES OF SOIL

|                          |              |                       |            |            |                 |                        |            |            |                 |
|--------------------------|--------------|-----------------------|------------|------------|-----------------|------------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b> |              | AEZS76                |            |            |                 | AEZS77                 |            |            |                 |
| <b>Sampling Date</b>     |              | 2024/10/01<br>14:20   |            |            |                 | 2024/10/01<br>15:30    |            |            |                 |
| <b>COC Number</b>        |              | C#1013277-01-01       |            |            |                 | C#1013277-01-01        |            |            |                 |
|                          | <b>UNITS</b> | <b>BH24-08_1-1.5M</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> | <b>BH24-09_2-2.45M</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |

|                                                                                              |       |        |       |        |         |      |       |        |         |
|----------------------------------------------------------------------------------------------|-------|--------|-------|--------|---------|------|-------|--------|---------|
| <b>Calculated Parameters</b>                                                                 |       |        |       |        |         |      |       |        |         |
| Sodium Adsorption Ratio                                                                      | N/A   | 3.6    |       |        | 9684644 | 1.2  |       |        | 9686602 |
| <b>Inorganics</b>                                                                            |       |        |       |        |         |      |       |        |         |
| Conductivity                                                                                 | mS/cm | 0.70   | 0.002 | 0.0005 | 9693324 | 0.41 | 0.002 | 0.0005 | 9693324 |
| Moisture                                                                                     | %     | 6.7    | 1.0   | 0.50   | 9689083 | 5.4  | 1.0   | 0.50   | 9688595 |
| Available (CaCl <sub>2</sub> ) pH                                                            | pH    | 7.81   |       |        | 9691184 | 7.62 |       |        | 9691230 |
| <b>Miscellaneous Parameters</b>                                                              |       |        |       |        |         |      |       |        |         |
| Grain Size                                                                                   | %     | COARSE | N/A   | N/A    | 9692803 |      |       |        |         |
| Sieve - #200 (<0.075mm)                                                                      | %     | 4      | 1     | N/A    | 9692803 |      |       |        |         |
| Sieve - #200 (>0.075mm)                                                                      | %     | 96     | 1     | N/A    | 9692803 |      |       |        |         |
| RDL = Reportable Detection Limit<br>QC Batch = Quality Control Batch<br>N/A = Not Applicable |       |        |       |        |         |      |       |        |         |

|                          |              |                       |                 |                        |                       |                       |            |            |                 |
|--------------------------|--------------|-----------------------|-----------------|------------------------|-----------------------|-----------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b> |              | AEZS78                |                 | AEZS79                 | AEZS80                | AEZS81                |            |            |                 |
| <b>Sampling Date</b>     |              | 2024/10/02<br>10:00   |                 | 2024/10/02<br>10:50    | 2024/10/02<br>13:20   | 2024/10/02<br>14:40   |            |            |                 |
| <b>COC Number</b>        |              | C#1013277-01-01       |                 | C#1013277-01-01        | C#1013277-01-01       | C#1013277-01-01       |            |            |                 |
|                          | <b>UNITS</b> | <b>BH24-01_1-1.5M</b> | <b>QC Batch</b> | <b>BH24-07_2-2.45M</b> | <b>BH24-06_1.5-2M</b> | <b>BH24-05_1-1.5M</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |

|                                                                      |       |      |         |      |      |      |       |        |         |
|----------------------------------------------------------------------|-------|------|---------|------|------|------|-------|--------|---------|
| <b>Calculated Parameters</b>                                         |       |      |         |      |      |      |       |        |         |
| Sodium Adsorption Ratio                                              | N/A   | 1.2  | 9686602 | 46   | 1.3  | 1.3  |       |        | 9686986 |
| <b>Inorganics</b>                                                    |       |      |         |      |      |      |       |        |         |
| Conductivity                                                         | mS/cm | 0.16 | 9693324 | 2.0  | 0.25 | 0.14 | 0.002 | 0.0005 | 9693324 |
| Moisture                                                             | %     | 6.2  | 9690573 | 6.3  | 5.4  | 3.4  | 1.0   | 0.50   | 9690573 |
| Available (CaCl <sub>2</sub> ) pH                                    | pH    | 7.42 | 9691230 | 7.78 | 7.63 | 6.99 |       |        | 9691230 |
| RDL = Reportable Detection Limit<br>QC Batch = Quality Control Batch |       |      |         |      |      |      |       |        |         |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### RESULTS OF ANALYSES OF SOIL

|                                   |              |                       |                       |                       |            |            |                 |
|-----------------------------------|--------------|-----------------------|-----------------------|-----------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>          |              | AEZS82                | AEZS83                | AEZS84                |            |            |                 |
| <b>Sampling Date</b>              |              | 2024/10/03<br>09:40   | 2024/10/03<br>11:30   | 2024/10/03<br>12:40   |            |            |                 |
| <b>COC Number</b>                 |              | C#1013277-01-01       | C#1013277-01-01       | C#1013277-01-01       |            |            |                 |
|                                   | <b>UNITS</b> | <b>BH24-02_2-2.4M</b> | <b>BH24-04_0.5-1M</b> | <b>BH24-03_0.5-1M</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>Calculated Parameters</b>      |              |                       |                       |                       |            |            |                 |
| Sodium Adsorption Ratio           | N/A          | 2.4                   | 1.6                   | 0.61                  |            |            | 9686986         |
| <b>Inorganics</b>                 |              |                       |                       |                       |            |            |                 |
| Conductivity                      | mS/cm        | 0.14                  | 0.63                  | 0.15                  | 0.002      | 0.0005     | 9693324         |
| Moisture                          | %            | 3.1                   | 4.7                   | 5.0                   | 1.0        | 0.50       | 9690573         |
| Available (CaCl <sub>2</sub> ) pH | pH           | 7.90                  | 7.05                  | 6.94                  |            |            | 9691230         |
| RDL = Reportable Detection Limit  |              |                       |                       |                       |            |            |                 |
| QC Batch = Quality Control Batch  |              |                       |                       |                       |            |            |                 |

|                                  |              |                       |            |            |                 |
|----------------------------------|--------------|-----------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>         |              | AEZS85                |            |            |                 |
| <b>Sampling Date</b>             |              | 2024/10/03<br>10:10   |            |            |                 |
| <b>COC Number</b>                |              | C#1013277-01-01       |            |            |                 |
|                                  | <b>UNITS</b> | <b>BH24-02_0.5-1M</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>Miscellaneous Parameters</b>  |              |                       |            |            |                 |
| Grain Size                       | %            | COARSE                | N/A        | N/A        | 9692803         |
| Sieve - #200 (<0.075mm)          | %            | 4                     | 1          | N/A        | 9692803         |
| Sieve - #200 (>0.075mm)          | %            | 96                    | 1          | N/A        | 9692803         |
| RDL = Reportable Detection Limit |              |                       |            |            |                 |
| QC Batch = Quality Control Batch |              |                       |            |            |                 |
| N/A = Not Applicable             |              |                       |            |            |                 |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### GLYCOLS BY GC-FID (SOIL)

| Bureau Veritas ID                                                    |       | AEZS76              | AEZS77              | AEZS78              | AEZS79              |     |     |          |
|----------------------------------------------------------------------|-------|---------------------|---------------------|---------------------|---------------------|-----|-----|----------|
| Sampling Date                                                        |       | 2024/10/01<br>14:20 | 2024/10/01<br>15:30 | 2024/10/02<br>10:00 | 2024/10/02<br>10:50 |     |     |          |
| COC Number                                                           |       | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     |     |     |          |
|                                                                      | UNITS | BH24-08_1-1.5M      | BH24-09_2-2.45M     | BH24-01_1-1.5M      | BH24-07_2-2.45M     | RDL | MDL | QC Batch |
| <b>Glycols</b>                                                       |       |                     |                     |                     |                     |     |     |          |
| Propylene Glycol                                                     | mg/kg | <10                 | <10                 | <10                 | <10                 | 10  | 2   | 9690882  |
| Ethylene Glycol                                                      | mg/kg | <10                 | <10                 | <10                 | <10                 | 10  | 2   | 9690882  |
| Diethylene Glycol                                                    | mg/kg | <10                 | <10                 | <10                 | <10                 | 10  | 2   | 9690882  |
| Total Glycol                                                         | mg/kg | <10                 | <10                 | <10                 | <10                 | 10  | 2   | 9690882  |
| RDL = Reportable Detection Limit<br>QC Batch = Quality Control Batch |       |                     |                     |                     |                     |     |     |          |

| Bureau Veritas ID                                                    |       | AEZS80              | AEZS81              |     |     |          |
|----------------------------------------------------------------------|-------|---------------------|---------------------|-----|-----|----------|
| Sampling Date                                                        |       | 2024/10/02<br>13:20 | 2024/10/02<br>14:40 |     |     |          |
| COC Number                                                           |       | C#1013277-01-01     | C#1013277-01-01     |     |     |          |
|                                                                      | UNITS | BH24-06_1.5-2M      | BH24-05_1-1.5M      | RDL | MDL | QC Batch |
| <b>Glycols</b>                                                       |       |                     |                     |     |     |          |
| Propylene Glycol                                                     | mg/kg | <10                 | <10                 | 10  | 2   | 9690882  |
| Ethylene Glycol                                                      | mg/kg | <10                 | <10                 | 10  | 2   | 9690882  |
| Diethylene Glycol                                                    | mg/kg | <10                 | <10                 | 10  | 2   | 9690882  |
| Total Glycol                                                         | mg/kg | <10                 | <10                 | 10  | 2   | 9690882  |
| RDL = Reportable Detection Limit<br>QC Batch = Quality Control Batch |       |                     |                     |     |     |          |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

| Bureau Veritas ID                |       | AEZS76              |          | AEZS77              | AEZS78              |       |       |          |
|----------------------------------|-------|---------------------|----------|---------------------|---------------------|-------|-------|----------|
| Sampling Date                    |       | 2024/10/01<br>14:20 |          | 2024/10/01<br>15:30 | 2024/10/02<br>10:00 |       |       |          |
| COC Number                       |       | C#1013277-01-01     |          | C#1013277-01-01     | C#1013277-01-01     |       |       |          |
|                                  | UNITS | BH24-08_1-1.5M      | QC Batch | BH24-09_2-2.45M     | BH24-01_1-1.5M      | RDL   | MDL   | QC Batch |
| <b>Inorganics</b>                |       |                     |          |                     |                     |       |       |          |
| Chromium (VI)                    | ug/g  | <0.18               | 9690668  | <0.18               | <0.18               | 0.18  | 0.050 | 9693532  |
| <b>Metals</b>                    |       |                     |          |                     |                     |       |       |          |
| Hot Water Ext. Boron (B)         | ug/g  | 0.12                | 9693407  | <0.050              | 0.053               | 0.050 | 0.030 | 9693580  |
| Acid Extractable Antimony (Sb)   | ug/g  | <0.20               | 9693482  | <0.20               | <0.20               | 0.20  | 0.10  | 9693482  |
| Acid Extractable Arsenic (As)    | ug/g  | <1.0                | 9693482  | <1.0                | <1.0                | 1.0   | 0.10  | 9693482  |
| Acid Extractable Barium (Ba)     | ug/g  | 15                  | 9693482  | 7.8                 | 6.9                 | 0.50  | 0.30  | 9693482  |
| Acid Extractable Beryllium (Be)  | ug/g  | <0.20               | 9693482  | <0.20               | <0.20               | 0.20  | 0.020 | 9693482  |
| Acid Extractable Boron (B)       | ug/g  | <5.0                | 9693482  | <5.0                | <5.0                | 5.0   | 1.0   | 9693482  |
| Acid Extractable Cadmium (Cd)    | ug/g  | <0.10               | 9693482  | <0.10               | <0.10               | 0.10  | 0.030 | 9693482  |
| Acid Extractable Chromium (Cr)   | ug/g  | 6.0                 | 9693482  | 5.6                 | 8.1                 | 1.0   | 0.20  | 9693482  |
| Acid Extractable Cobalt (Co)     | ug/g  | 2.2                 | 9693482  | 2.0                 | 2.3                 | 0.10  | 0.020 | 9693482  |
| Acid Extractable Copper (Cu)     | ug/g  | 4.1                 | 9693482  | 3.2                 | 3.7                 | 0.50  | 0.20  | 9693482  |
| Acid Extractable Lead (Pb)       | ug/g  | 1.9                 | 9693482  | 1.4                 | 1.7                 | 1.0   | 0.10  | 9693482  |
| Acid Extractable Molybdenum (Mo) | ug/g  | <0.50               | 9693482  | <0.50               | <0.50               | 0.50  | 0.10  | 9693482  |
| Acid Extractable Nickel (Ni)     | ug/g  | 3.5                 | 9693482  | 2.8                 | 3.7                 | 0.50  | 0.20  | 9693482  |
| Acid Extractable Selenium (Se)   | ug/g  | <0.50               | 9693482  | <0.50               | <0.50               | 0.50  | 0.10  | 9693482  |
| Acid Extractable Silver (Ag)     | ug/g  | <0.20               | 9693482  | <0.20               | <0.20               | 0.20  | 0.040 | 9693482  |
| Acid Extractable Thallium (Tl)   | ug/g  | <0.050              | 9693482  | <0.050              | <0.050              | 0.050 | 0.010 | 9693482  |
| Acid Extractable Uranium (U)     | ug/g  | 0.48                | 9693482  | 0.49                | 0.52                | 0.050 | 0.030 | 9693482  |
| Acid Extractable Vanadium (V)    | ug/g  | 18                  | 9693482  | 18                  | 32                  | 5.0   | 0.50  | 9693482  |
| Acid Extractable Zinc (Zn)       | ug/g  | 7.4                 | 9693482  | 6.3                 | 9.1                 | 5.0   | 0.50  | 9693482  |
| Acid Extractable Mercury (Hg)    | ug/g  | <0.050              | 9693482  | <0.050              | <0.050              | 0.050 | 0.030 | 9693482  |
| RDL = Reportable Detection Limit |       |                     |          |                     |                     |       |       |          |
| QC Batch = Quality Control Batch |       |                     |          |                     |                     |       |       |          |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

| Bureau Veritas ID |       | AEZS79              | AEZS80              | AEZS81              | AEZS82              |     |     |          |
|-------------------|-------|---------------------|---------------------|---------------------|---------------------|-----|-----|----------|
| Sampling Date     |       | 2024/10/02<br>10:50 | 2024/10/02<br>13:20 | 2024/10/02<br>14:40 | 2024/10/03<br>09:40 |     |     |          |
| COC Number        |       | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     |     |     |          |
|                   | UNITS | BH24-07_2-2.45M     | BH24-06_1.5-2M      | BH24-05_1-1.5M      | BH24-02_2-2.4M      | RDL | MDL | QC Batch |

| Inorganics                       |      |        |        |        |        |       |       |         |
|----------------------------------|------|--------|--------|--------|--------|-------|-------|---------|
| Chromium (VI)                    | ug/g | <0.18  | <0.18  | <0.18  | <0.18  | 0.18  | 0.050 | 9693532 |
| Metals                           |      |        |        |        |        |       |       |         |
| Hot Water Ext. Boron (B)         | ug/g | 0.11   | 0.11   | <0.050 | <0.050 | 0.050 | 0.030 | 9693580 |
| Acid Extractable Antimony (Sb)   | ug/g | <0.20  | <0.20  | <0.20  | <0.20  | 0.20  | 0.10  | 9693482 |
| Acid Extractable Arsenic (As)    | ug/g | 2.0    | <1.0   | <1.0   | <1.0   | 1.0   | 0.10  | 9693482 |
| Acid Extractable Barium (Ba)     | ug/g | 15     | 15     | 7.6    | 11     | 0.50  | 0.30  | 9693482 |
| Acid Extractable Beryllium (Be)  | ug/g | <0.20  | <0.20  | <0.20  | <0.20  | 0.20  | 0.020 | 9693482 |
| Acid Extractable Boron (B)       | ug/g | <5.0   | <5.0   | <5.0   | <5.0   | 5.0   | 1.0   | 9693482 |
| Acid Extractable Cadmium (Cd)    | ug/g | <0.10  | <0.10  | <0.10  | <0.10  | 0.10  | 0.030 | 9693482 |
| Acid Extractable Chromium (Cr)   | ug/g | 5.9    | 5.9    | 6.7    | 4.4    | 1.0   | 0.20  | 9693482 |
| Acid Extractable Cobalt (Co)     | ug/g | 3.1    | 2.0    | 2.0    | 1.8    | 0.10  | 0.020 | 9693482 |
| Acid Extractable Copper (Cu)     | ug/g | 4.6    | 3.5    | 3.1    | 3.7    | 0.50  | 0.20  | 9693482 |
| Acid Extractable Lead (Pb)       | ug/g | 5.2    | 1.6    | 1.4    | 1.2    | 1.0   | 0.10  | 9693482 |
| Acid Extractable Molybdenum (Mo) | ug/g | 1.4    | <0.50  | <0.50  | <0.50  | 0.50  | 0.10  | 9693482 |
| Acid Extractable Nickel (Ni)     | ug/g | 5.7    | 3.4    | 2.9    | 2.8    | 0.50  | 0.20  | 9693482 |
| Acid Extractable Selenium (Se)   | ug/g | <0.50  | <0.50  | <0.50  | <0.50  | 0.50  | 0.10  | 9693482 |
| Acid Extractable Silver (Ag)     | ug/g | <0.20  | <0.20  | <0.20  | <0.20  | 0.20  | 0.040 | 9693482 |
| Acid Extractable Thallium (Tl)   | ug/g | 0.053  | <0.050 | <0.050 | <0.050 | 0.050 | 0.010 | 9693482 |
| Acid Extractable Uranium (U)     | ug/g | 0.45   | 0.45   | 0.43   | 0.35   | 0.050 | 0.030 | 9693482 |
| Acid Extractable Vanadium (V)    | ug/g | 13     | 17     | 22     | 13     | 5.0   | 0.50  | 9693482 |
| Acid Extractable Zinc (Zn)       | ug/g | 8.2    | 6.6    | 6.3    | 6.0    | 5.0   | 0.50  | 9693482 |
| Acid Extractable Mercury (Hg)    | ug/g | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 0.030 | 9693482 |
| RDL = Reportable Detection Limit |      |        |        |        |        |       |       |         |
| QC Batch = Quality Control Batch |      |        |        |        |        |       |       |         |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

| Bureau Veritas ID                |       | AEZS83              |          | AEZS84              |       |       |          |
|----------------------------------|-------|---------------------|----------|---------------------|-------|-------|----------|
| Sampling Date                    |       | 2024/10/03<br>11:30 |          | 2024/10/03<br>12:40 |       |       |          |
| COC Number                       |       | C#1013277-01-01     |          | C#1013277-01-01     |       |       |          |
|                                  | UNITS | BH24-04_0.5-1M      | QC Batch | BH24-03_0.5-1M      | RDL   | MDL   | QC Batch |
| <b>Inorganics</b>                |       |                     |          |                     |       |       |          |
| Chromium (VI)                    | ug/g  | <0.18               | 9693532  | <0.18               | 0.18  | 0.050 | 9693532  |
| <b>Metals</b>                    |       |                     |          |                     |       |       |          |
| Hot Water Ext. Boron (B)         | ug/g  | 0.065               | 9691843  | 0.051               | 0.050 | 0.030 | 9693580  |
| Acid Extractable Antimony (Sb)   | ug/g  | <0.20               | 9693482  | <0.20               | 0.20  | 0.10  | 9694349  |
| Acid Extractable Arsenic (As)    | ug/g  | <1.0                | 9693482  | <1.0                | 1.0   | 0.10  | 9694349  |
| Acid Extractable Barium (Ba)     | ug/g  | 19                  | 9693482  | 20                  | 0.50  | 0.30  | 9694349  |
| Acid Extractable Beryllium (Be)  | ug/g  | <0.20               | 9693482  | <0.20               | 0.20  | 0.020 | 9694349  |
| Acid Extractable Boron (B)       | ug/g  | <5.0                | 9693482  | <5.0                | 5.0   | 1.0   | 9694349  |
| Acid Extractable Cadmium (Cd)    | ug/g  | <0.10               | 9693482  | <0.10               | 0.10  | 0.030 | 9694349  |
| Acid Extractable Chromium (Cr)   | ug/g  | 6.3                 | 9693482  | 9.5                 | 1.0   | 0.20  | 9694349  |
| Acid Extractable Cobalt (Co)     | ug/g  | 2.2                 | 9693482  | 2.6                 | 0.10  | 0.020 | 9694349  |
| Acid Extractable Copper (Cu)     | ug/g  | 3.8                 | 9693482  | 4.5                 | 0.50  | 0.20  | 9694349  |
| Acid Extractable Lead (Pb)       | ug/g  | 2.3                 | 9693482  | 2.8                 | 1.0   | 0.10  | 9694349  |
| Acid Extractable Molybdenum (Mo) | ug/g  | <0.50               | 9693482  | <0.50               | 0.50  | 0.10  | 9694349  |
| Acid Extractable Nickel (Ni)     | ug/g  | 3.6                 | 9693482  | 4.4                 | 0.50  | 0.20  | 9694349  |
| Acid Extractable Selenium (Se)   | ug/g  | <0.50               | 9693482  | <0.50               | 0.50  | 0.10  | 9694349  |
| Acid Extractable Silver (Ag)     | ug/g  | <0.20               | 9693482  | <0.20               | 0.20  | 0.040 | 9694349  |
| Acid Extractable Thallium (Tl)   | ug/g  | <0.050              | 9693482  | <0.050              | 0.050 | 0.010 | 9694349  |
| Acid Extractable Uranium (U)     | ug/g  | 0.46                | 9693482  | 0.70                | 0.050 | 0.030 | 9694349  |
| Acid Extractable Vanadium (V)    | ug/g  | 18                  | 9693482  | 35                  | 5.0   | 0.50  | 9694349  |
| Acid Extractable Zinc (Zn)       | ug/g  | 8.7                 | 9693482  | 9.6                 | 5.0   | 0.50  | 9694349  |
| Acid Extractable Mercury (Hg)    | ug/g  | <0.050              | 9693482  | <0.050              | 0.050 | 0.030 | 9694349  |
| RDL = Reportable Detection Limit |       |                     |          |                     |       |       |          |
| QC Batch = Quality Control Batch |       |                     |          |                     |       |       |          |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

|                          |              |                       |                 |                        |                       |                        |            |            |                 |
|--------------------------|--------------|-----------------------|-----------------|------------------------|-----------------------|------------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b> |              | AEZS76                |                 | AEZS77                 | AEZS78                | AEZS79                 |            |            |                 |
| <b>Sampling Date</b>     |              | 2024/10/01<br>14:20   |                 | 2024/10/01<br>15:30    | 2024/10/02<br>10:00   | 2024/10/02<br>10:50    |            |            |                 |
| <b>COC Number</b>        |              | C#1013277-01-01       |                 | C#1013277-01-01        | C#1013277-01-01       | C#1013277-01-01        |            |            |                 |
|                          | <b>UNITS</b> | <b>BH24-08_1-1.5M</b> | <b>QC Batch</b> | <b>BH24-09_2-2.45M</b> | <b>BH24-01_1-1.5M</b> | <b>BH24-07_2-2.45M</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |

#### Calculated Parameters

|                           |      |         |         |         |         |         |        |     |         |
|---------------------------|------|---------|---------|---------|---------|---------|--------|-----|---------|
| Methylnaphthalene, 2-(1-) | ug/g | <0.0071 | 9686981 | <0.0071 | <0.0071 | <0.0071 | 0.0071 | N/A | 9684642 |
|---------------------------|------|---------|---------|---------|---------|---------|--------|-----|---------|

#### Polyaromatic Hydrocarbons

|                        |      |         |         |         |         |         |        |        |         |
|------------------------|------|---------|---------|---------|---------|---------|--------|--------|---------|
| Acenaphthene           | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0020 | 9691592 |
| Acenaphthylene         | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Anthracene             | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Benzo(a)anthracene     | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0020 | 9691592 |
| Benzo(a)pyrene         | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Benzo(b/j)fluoranthene | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0020 | 9691592 |
| Benzo(g,h,i)perylene   | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0040 | 9691592 |
| Benzo(k)fluoranthene   | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0020 | 9691592 |
| Chrysene               | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0020 | 9691592 |
| Dibenzo(a,h)anthracene | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0040 | 9691592 |
| Fluoranthene           | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Fluorene               | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Indeno(1,2,3-cd)pyrene | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0040 | 9691592 |
| 1-Methylnaphthalene    | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| 2-Methylnaphthalene    | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Naphthalene            | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Phenanthrene           | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Pyrene                 | ug/g | <0.0050 | 9691592 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | 0.0010 | 9691592 |

#### Surrogate Recovery (%)

|                    |   |     |         |     |     |     |  |  |         |
|--------------------|---|-----|---------|-----|-----|-----|--|--|---------|
| D10-Anthracene     | % | 117 | 9691592 | 121 | 121 | 118 |  |  | 9691592 |
| D14-Terphenyl (FS) | % | 99  | 9691592 | 103 | 103 | 94  |  |  | 9691592 |
| D8-Acenaphthylene  | % | 88  | 9691592 | 90  | 87  | 85  |  |  | 9691592 |

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

|                          |              |                       |                       |                       |                 |                       |            |            |                 |
|--------------------------|--------------|-----------------------|-----------------------|-----------------------|-----------------|-----------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b> |              | AEZS80                | AEZS81                | AEZS82                |                 | AEZS83                |            |            |                 |
| <b>Sampling Date</b>     |              | 2024/10/02<br>13:20   | 2024/10/02<br>14:40   | 2024/10/03<br>09:40   |                 | 2024/10/03<br>11:30   |            |            |                 |
| <b>COC Number</b>        |              | C#1013277-01-01       | C#1013277-01-01       | C#1013277-01-01       |                 | C#1013277-01-01       |            |            |                 |
|                          | <b>UNITS</b> | <b>BH24-06_1.5-2M</b> | <b>BH24-05_1-1.5M</b> | <b>BH24-02_2-2.4M</b> | <b>QC Batch</b> | <b>BH24-04_0.5-1M</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |

|                                  |      |         |         |         |         |         |        |        |         |
|----------------------------------|------|---------|---------|---------|---------|---------|--------|--------|---------|
| <b>Calculated Parameters</b>     |      |         |         |         |         |         |        |        |         |
| Methylnaphthalene, 2-(1-)        | ug/g | <0.0071 | <0.0071 | <0.0071 | 9684642 | <0.0071 | 0.0071 | N/A    | 9686981 |
| <b>Polyaromatic Hydrocarbons</b> |      |         |         |         |         |         |        |        |         |
| Acenaphthene                     | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0020 | 9691592 |
| Acenaphthylene                   | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Anthracene                       | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Benzo(a)anthracene               | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0020 | 9691592 |
| Benzo(a)pyrene                   | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Benzo(b,j)fluoranthene           | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0020 | 9691592 |
| Benzo(g,h,i)perylene             | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0040 | 9691592 |
| Benzo(k)fluoranthene             | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0020 | 9691592 |
| Chrysene                         | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0020 | 9691592 |
| Dibenzo(a,h)anthracene           | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0040 | 9691592 |
| Fluoranthene                     | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | 0.0056  | 0.0050 | 0.0010 | 9691592 |
| Fluorene                         | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Indeno(1,2,3-cd)pyrene           | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0040 | 9691592 |
| 1-Methylnaphthalene              | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| 2-Methylnaphthalene              | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Naphthalene                      | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Phenanthrene                     | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| Pyrene                           | ug/g | <0.0050 | <0.0050 | <0.0050 | 9691592 | <0.0050 | 0.0050 | 0.0010 | 9691592 |
| <b>Surrogate Recovery (%)</b>    |      |         |         |         |         |         |        |        |         |
| D10-Anthracene                   | %    | 119     | 105     | 118     | 9691592 | 126     |        |        | 9691592 |
| D14-Terphenyl (FS)               | %    | 100     | 107     | 103     | 9691592 | 108     |        |        | 9691592 |
| D8-Acenaphthylene                | %    | 84      | 89      | 89      | 9691592 | 90      |        |        | 9691592 |

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



### SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

|                                                                                              |              |                       |            |            |                 |
|----------------------------------------------------------------------------------------------|--------------|-----------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>                                                                     |              | AEZS84                |            |            |                 |
| <b>Sampling Date</b>                                                                         |              | 2024/10/03<br>12:40   |            |            |                 |
| <b>COC Number</b>                                                                            |              | C#1013277-01-01       |            |            |                 |
|                                                                                              | <b>UNITS</b> | <b>BH24-03_0.5-1M</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>Calculated Parameters</b>                                                                 |              |                       |            |            |                 |
| Methylnaphthalene, 2-(1-)                                                                    | ug/g         | <0.0071               | 0.0071     | N/A        | 9686981         |
| <b>Polyaromatic Hydrocarbons</b>                                                             |              |                       |            |            |                 |
| Acenaphthene                                                                                 | ug/g         | <0.0050               | 0.0050     | 0.0020     | 9691592         |
| Acenaphthylene                                                                               | ug/g         | <0.0050               | 0.0050     | 0.0010     | 9691592         |
| Anthracene                                                                                   | ug/g         | <0.0050               | 0.0050     | 0.0010     | 9691592         |
| Benzo(a)anthracene                                                                           | ug/g         | <0.0050               | 0.0050     | 0.0020     | 9691592         |
| Benzo(a)pyrene                                                                               | ug/g         | <0.0050               | 0.0050     | 0.0010     | 9691592         |
| Benzo(b/j)fluoranthene                                                                       | ug/g         | <0.0050               | 0.0050     | 0.0020     | 9691592         |
| Benzo(g,h,i)perylene                                                                         | ug/g         | <0.0050               | 0.0050     | 0.0040     | 9691592         |
| Benzo(k)fluoranthene                                                                         | ug/g         | <0.0050               | 0.0050     | 0.0020     | 9691592         |
| Chrysene                                                                                     | ug/g         | <0.0050               | 0.0050     | 0.0020     | 9691592         |
| Dibenzo(a,h)anthracene                                                                       | ug/g         | <0.0050               | 0.0050     | 0.0040     | 9691592         |
| Fluoranthene                                                                                 | ug/g         | <0.0050               | 0.0050     | 0.0010     | 9691592         |
| Fluorene                                                                                     | ug/g         | <0.0050               | 0.0050     | 0.0010     | 9691592         |
| Indeno(1,2,3-cd)pyrene                                                                       | ug/g         | <0.0050               | 0.0050     | 0.0040     | 9691592         |
| 1-Methylnaphthalene                                                                          | ug/g         | <0.0050               | 0.0050     | 0.0010     | 9691592         |
| 2-Methylnaphthalene                                                                          | ug/g         | <0.0050               | 0.0050     | 0.0010     | 9691592         |
| Naphthalene                                                                                  | ug/g         | <0.0050               | 0.0050     | 0.0010     | 9691592         |
| Phenanthrene                                                                                 | ug/g         | <0.0050               | 0.0050     | 0.0010     | 9691592         |
| Pyrene                                                                                       | ug/g         | <0.0050               | 0.0050     | 0.0010     | 9691592         |
| <b>Surrogate Recovery (%)</b>                                                                |              |                       |            |            |                 |
| D10-Anthracene                                                                               | %            | 129                   |            |            | 9691592         |
| D14-Terphenyl (FS)                                                                           | %            | 105                   |            |            | 9691592         |
| D8-Acenaphthylene                                                                            | %            | 88                    |            |            | 9691592         |
| RDL = Reportable Detection Limit<br>QC Batch = Quality Control Batch<br>N/A = Not Applicable |              |                       |            |            |                 |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### VOLATILE ORGANICS BY GC/MS (SOIL)

| Bureau Veritas ID                   |       | AEZ576              | AEZ577              | AEZ578              |        |        |          |
|-------------------------------------|-------|---------------------|---------------------|---------------------|--------|--------|----------|
| Sampling Date                       |       | 2024/10/01<br>14:20 | 2024/10/01<br>15:30 | 2024/10/02<br>10:00 |        |        |          |
| COC Number                          |       | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     |        |        |          |
|                                     | UNITS | BH24-08_1-1.5M      | BH24-09_2-2.45M     | BH24-01_1-1.5M      | RDL    | MDL    | QC Batch |
| <b>Calculated Parameters</b>        |       |                     |                     |                     |        |        |          |
| 1,3-Dichloropropene (cis+trans)     | ug/g  | <0.050              | <0.050              | <0.050              | 0.050  | 0.010  | 9684689  |
| <b>Volatile Organics</b>            |       |                     |                     |                     |        |        |          |
| Acetone (2-Propanone)               | ug/g  | <0.49               | <0.49               | <0.49               | 0.49   | 0.49   | 9689116  |
| Benzene                             | ug/g  | <0.0060             | <0.0060             | <0.0060             | 0.0060 | 0.0060 | 9689116  |
| Bromodichloromethane                | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Bromoform                           | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Bromomethane                        | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Carbon Tetrachloride                | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Chlorobenzene                       | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Chloroform                          | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Dibromochloromethane                | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,2-Dichlorobenzene                 | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,3-Dichlorobenzene                 | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,4-Dichlorobenzene                 | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Dichlorodifluoromethane (FREON 12)  | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,1-Dichloroethane                  | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,2-Dichloroethane                  | ug/g  | <0.049              | <0.049              | <0.049              | 0.049  | 0.049  | 9689116  |
| 1,1-Dichloroethylene                | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| cis-1,2-Dichloroethylene            | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| trans-1,2-Dichloroethylene          | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,2-Dichloropropane                 | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| cis-1,3-Dichloropropene             | ug/g  | <0.030              | <0.030              | <0.030              | 0.030  | 0.030  | 9689116  |
| trans-1,3-Dichloropropene           | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Ethylbenzene                        | ug/g  | <0.010              | <0.010              | <0.010              | 0.010  | 0.010  | 9689116  |
| Ethylene Dibromide                  | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Hexane                              | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Methylene Chloride(Dichloromethane) | ug/g  | <0.049              | <0.049              | <0.049              | 0.049  | 0.049  | 9689116  |
| Methyl Ethyl Ketone (2-Butanone)    | ug/g  | <0.40               | <0.40               | <0.40               | 0.40   | 0.40   | 9689116  |
| Methyl Isobutyl Ketone              | ug/g  | <0.40               | <0.40               | <0.40               | 0.40   | 0.40   | 9689116  |
| Methyl t-butyl ether (MTBE)         | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Styrene                             | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,1,1,2-Tetrachloroethane           | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,1,2,2-Tetrachloroethane           | ug/g  | <0.040              | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| RDL = Reportable Detection Limit    |       |                     |                     |                     |        |        |          |
| QC Batch = Quality Control Batch    |       |                     |                     |                     |        |        |          |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### VOLATILE ORGANICS BY GC/MS (SOIL)

| Bureau Veritas ID                 |       | AEZS76              | AEZS77              | AEZS78              |       |       |          |
|-----------------------------------|-------|---------------------|---------------------|---------------------|-------|-------|----------|
| Sampling Date                     |       | 2024/10/01<br>14:20 | 2024/10/01<br>15:30 | 2024/10/02<br>10:00 |       |       |          |
| COC Number                        |       | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     |       |       |          |
|                                   | UNITS | BH24-08_1-1.5M      | BH24-09_2-2.45M     | BH24-01_1-1.5M      | RDL   | MDL   | QC Batch |
| Tetrachloroethylene               | ug/g  | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9689116  |
| Toluene                           | ug/g  | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9689116  |
| 1,1,1-Trichloroethane             | ug/g  | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9689116  |
| 1,1,2-Trichloroethane             | ug/g  | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9689116  |
| Trichloroethylene                 | ug/g  | <0.010              | <0.010              | <0.010              | 0.010 | 0.010 | 9689116  |
| Trichlorofluoromethane (FREON 11) | ug/g  | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9689116  |
| Vinyl Chloride                    | ug/g  | <0.019              | <0.019              | <0.019              | 0.019 | 0.019 | 9689116  |
| p+m-Xylene                        | ug/g  | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9689116  |
| o-Xylene                          | ug/g  | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9689116  |
| Total Xylenes                     | ug/g  | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9689116  |
| F1 (C6-C10)                       | ug/g  | <10                 | <10                 | <10                 | 10    | 2.0   | 9689116  |
| F1 (C6-C10) - BTEX                | ug/g  | <10                 | <10                 | <10                 | 10    | 2.0   | 9689116  |
| <b>Surrogate Recovery (%)</b>     |       |                     |                     |                     |       |       |          |
| 4-Bromofluorobenzene              | %     | 89                  | 89                  | 89                  |       |       | 9689116  |
| D10-o-Xylene                      | %     | 94                  | 93                  | 99                  |       |       | 9689116  |
| D4-1,2-Dichloroethane             | %     | 124                 | 124                 | 124                 |       |       | 9689116  |
| D8-Toluene                        | %     | 103                 | 102                 | 105                 |       |       | 9689116  |
| RDL = Reportable Detection Limit  |       |                     |                     |                     |       |       |          |
| QC Batch = Quality Control Batch  |       |                     |                     |                     |       |       |          |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### VOLATILE ORGANICS BY GC/MS (SOIL)

| Bureau Veritas ID |       | AEZS79              | AEZS80              | AEZS81              | AEZS82              |     |     |          |
|-------------------|-------|---------------------|---------------------|---------------------|---------------------|-----|-----|----------|
| Sampling Date     |       | 2024/10/02<br>10:50 | 2024/10/02<br>13:20 | 2024/10/02<br>14:40 | 2024/10/03<br>09:40 |     |     |          |
| COC Number        |       | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     |     |     |          |
|                   | UNITS | BH24-07_2-2.45M     | BH24-06_1.5-2M      | BH24-05_1-1.5M      | BH24-02_2-2.4M      | RDL | MDL | QC Batch |

| Calculated Parameters               |      |         |         |         |         |        |        |         |
|-------------------------------------|------|---------|---------|---------|---------|--------|--------|---------|
| 1,3-Dichloropropene (cis+trans)     | ug/g | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.010  | 9684689 |
| Volatile Organics                   |      |         |         |         |         |        |        |         |
| Acetone (2-Propanone)               | ug/g | <0.49   | <0.49   | <0.49   | <0.49   | 0.49   | 0.49   | 9689116 |
| Benzene                             | ug/g | <0.0060 | <0.0060 | <0.0060 | <0.0060 | 0.0060 | 0.0060 | 9689116 |
| Bromodichloromethane                | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| Bromoform                           | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| Bromomethane                        | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| Carbon Tetrachloride                | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| Chlorobenzene                       | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| Chloroform                          | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| Dibromochloromethane                | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| 1,2-Dichlorobenzene                 | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| 1,3-Dichlorobenzene                 | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| 1,4-Dichlorobenzene                 | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| Dichlorodifluoromethane (FREON 12)  | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| 1,1-Dichloroethane                  | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| 1,2-Dichloroethane                  | ug/g | <0.049  | <0.049  | <0.049  | <0.049  | 0.049  | 0.049  | 9689116 |
| 1,1-Dichloroethylene                | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| cis-1,2-Dichloroethylene            | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| trans-1,2-Dichloroethylene          | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| 1,2-Dichloropropane                 | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| cis-1,3-Dichloropropene             | ug/g | <0.030  | <0.030  | <0.030  | <0.030  | 0.030  | 0.030  | 9689116 |
| trans-1,3-Dichloropropene           | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| Ethylbenzene                        | ug/g | <0.010  | <0.010  | <0.010  | <0.010  | 0.010  | 0.010  | 9689116 |
| Ethylene Dibromide                  | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| Hexane                              | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| Methylene Chloride(Dichloromethane) | ug/g | <0.049  | <0.049  | <0.049  | <0.049  | 0.049  | 0.049  | 9689116 |
| Methyl Ethyl Ketone (2-Butanone)    | ug/g | <0.40   | <0.40   | <0.40   | <0.40   | 0.40   | 0.40   | 9689116 |
| Methyl Isobutyl Ketone              | ug/g | <0.40   | <0.40   | <0.40   | <0.40   | 0.40   | 0.40   | 9689116 |
| Methyl t-butyl ether (MTBE)         | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| Styrene                             | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| 1,1,1,2-Tetrachloroethane           | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |
| 1,1,2,2-Tetrachloroethane           | ug/g | <0.040  | <0.040  | <0.040  | <0.040  | 0.040  | 0.040  | 9689116 |

RDL = Reportable Detection Limit  
QC Batch = Quality Control Batch



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### VOLATILE ORGANICS BY GC/MS (SOIL)

| Bureau Veritas ID                 |       | AEZS79              | AEZS80              | AEZS81              | AEZS82              |       |       |          |
|-----------------------------------|-------|---------------------|---------------------|---------------------|---------------------|-------|-------|----------|
| Sampling Date                     |       | 2024/10/02<br>10:50 | 2024/10/02<br>13:20 | 2024/10/02<br>14:40 | 2024/10/03<br>09:40 |       |       |          |
| COC Number                        |       | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     |       |       |          |
|                                   | UNITS | BH24-07_2-2.45M     | BH24-06_1.5-2M      | BH24-05_1-1.5M      | BH24-02_2-2.4M      | RDL   | MDL   | QC Batch |
| Tetrachloroethylene               | ug/g  | <0.040              | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9689116  |
| Toluene                           | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9689116  |
| 1,1,1-Trichloroethane             | ug/g  | <0.040              | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9689116  |
| 1,1,2-Trichloroethane             | ug/g  | <0.040              | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9689116  |
| Trichloroethylene                 | ug/g  | <0.010              | <0.010              | <0.010              | <0.010              | 0.010 | 0.010 | 9689116  |
| Trichlorofluoromethane (FREON 11) | ug/g  | <0.040              | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9689116  |
| Vinyl Chloride                    | ug/g  | <0.019              | <0.019              | <0.019              | <0.019              | 0.019 | 0.019 | 9689116  |
| p+m-Xylene                        | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9689116  |
| o-Xylene                          | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9689116  |
| Total Xylenes                     | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9689116  |
| F1 (C6-C10)                       | ug/g  | <10                 | <10                 | <10                 | <10                 | 10    | 2.0   | 9689116  |
| F1 (C6-C10) - BTEX                | ug/g  | <10                 | <10                 | <10                 | <10                 | 10    | 2.0   | 9689116  |
| <b>Surrogate Recovery (%)</b>     |       |                     |                     |                     |                     |       |       |          |
| 4-Bromofluorobenzene              | %     | 89                  | 88                  | 88                  | 88                  |       |       | 9689116  |
| D10-o-Xylene                      | %     | 98                  | 96                  | 97                  | 99                  |       |       | 9689116  |
| D4-1,2-Dichloroethane             | %     | 129                 | 123                 | 125                 | 125                 |       |       | 9689116  |
| D8-Toluene                        | %     | 103                 | 106                 | 104                 | 104                 |       |       | 9689116  |
| RDL = Reportable Detection Limit  |       |                     |                     |                     |                     |       |       |          |
| QC Batch = Quality Control Batch  |       |                     |                     |                     |                     |       |       |          |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### VOLATILE ORGANICS BY GC/MS (SOIL)

| Bureau Veritas ID                   |       | AEZS83              | AEZS84              |        |        |          |
|-------------------------------------|-------|---------------------|---------------------|--------|--------|----------|
| Sampling Date                       |       | 2024/10/03<br>11:30 | 2024/10/03<br>12:40 |        |        |          |
| COC Number                          |       | C#1013277-01-01     | C#1013277-01-01     |        |        |          |
|                                     | UNITS | BH24-04_0.5-1M      | BH24-03_0.5-1M      | RDL    | MDL    | QC Batch |
| <b>Calculated Parameters</b>        |       |                     |                     |        |        |          |
| 1,3-Dichloropropene (cis+trans)     | ug/g  | <0.050              | <0.050              | 0.050  | 0.010  | 9684689  |
| <b>Volatile Organics</b>            |       |                     |                     |        |        |          |
| Acetone (2-Propanone)               | ug/g  | <0.49               | <0.49               | 0.49   | 0.49   | 9689116  |
| Benzene                             | ug/g  | <0.0060             | <0.0060             | 0.0060 | 0.0060 | 9689116  |
| Bromodichloromethane                | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Bromoform                           | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Bromomethane                        | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Carbon Tetrachloride                | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Chlorobenzene                       | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Chloroform                          | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Dibromochloromethane                | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,2-Dichlorobenzene                 | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,3-Dichlorobenzene                 | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,4-Dichlorobenzene                 | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Dichlorodifluoromethane (FREON 12)  | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,1-Dichloroethane                  | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,2-Dichloroethane                  | ug/g  | <0.049              | <0.049              | 0.049  | 0.049  | 9689116  |
| 1,1-Dichloroethylene                | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| cis-1,2-Dichloroethylene            | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| trans-1,2-Dichloroethylene          | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,2-Dichloropropane                 | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| cis-1,3-Dichloropropene             | ug/g  | <0.030              | <0.030              | 0.030  | 0.030  | 9689116  |
| trans-1,3-Dichloropropene           | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Ethylbenzene                        | ug/g  | <0.010              | <0.010              | 0.010  | 0.010  | 9689116  |
| Ethylene Dibromide                  | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Hexane                              | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Methylene Chloride(Dichloromethane) | ug/g  | <0.049              | <0.049              | 0.049  | 0.049  | 9689116  |
| Methyl Ethyl Ketone (2-Butanone)    | ug/g  | <0.40               | <0.40               | 0.40   | 0.40   | 9689116  |
| Methyl Isobutyl Ketone              | ug/g  | <0.40               | <0.40               | 0.40   | 0.40   | 9689116  |
| Methyl t-butyl ether (MTBE)         | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| Styrene                             | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,1,1,2-Tetrachloroethane           | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| 1,1,2,2-Tetrachloroethane           | ug/g  | <0.040              | <0.040              | 0.040  | 0.040  | 9689116  |
| RDL = Reportable Detection Limit    |       |                     |                     |        |        |          |
| QC Batch = Quality Control Batch    |       |                     |                     |        |        |          |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### VOLATILE ORGANICS BY GC/MS (SOIL)

| Bureau Veritas ID                 |       | AEZS83              | AEZS84              |       |       |          |
|-----------------------------------|-------|---------------------|---------------------|-------|-------|----------|
| Sampling Date                     |       | 2024/10/03<br>11:30 | 2024/10/03<br>12:40 |       |       |          |
| COC Number                        |       | C#1013277-01-01     | C#1013277-01-01     |       |       |          |
|                                   | UNITS | BH24-04_0.5-1M      | BH24-03_0.5-1M      | RDL   | MDL   | QC Batch |
| Tetrachloroethylene               | ug/g  | <0.040              | <0.040              | 0.040 | 0.040 | 9689116  |
| Toluene                           | ug/g  | <0.020              | <0.020              | 0.020 | 0.020 | 9689116  |
| 1,1,1-Trichloroethane             | ug/g  | <0.040              | <0.040              | 0.040 | 0.040 | 9689116  |
| 1,1,2-Trichloroethane             | ug/g  | <0.040              | <0.040              | 0.040 | 0.040 | 9689116  |
| Trichloroethylene                 | ug/g  | <0.010              | <0.010              | 0.010 | 0.010 | 9689116  |
| Trichlorofluoromethane (FREON 11) | ug/g  | <0.040              | <0.040              | 0.040 | 0.040 | 9689116  |
| Vinyl Chloride                    | ug/g  | <0.019              | <0.019              | 0.019 | 0.019 | 9689116  |
| p+m-Xylene                        | ug/g  | <0.020              | <0.020              | 0.020 | 0.020 | 9689116  |
| o-Xylene                          | ug/g  | <0.020              | <0.020              | 0.020 | 0.020 | 9689116  |
| Total Xylenes                     | ug/g  | <0.020              | <0.020              | 0.020 | 0.020 | 9689116  |
| F1 (C6-C10)                       | ug/g  | <10                 | <10                 | 10    | 2.0   | 9689116  |
| F1 (C6-C10) - BTEX                | ug/g  | <10                 | <10                 | 10    | 2.0   | 9689116  |
| <b>Surrogate Recovery (%)</b>     |       |                     |                     |       |       |          |
| 4-Bromofluorobenzene              | %     | 86                  | 87                  |       |       | 9689116  |
| D10-o-Xylene                      | %     | 92                  | 100                 |       |       | 9689116  |
| D4-1,2-Dichloroethane             | %     | 124                 | 125                 |       |       | 9689116  |
| D8-Toluene                        | %     | 105                 | 105                 |       |       | 9689116  |
| RDL = Reportable Detection Limit  |       |                     |                     |       |       |          |
| QC Batch = Quality Control Batch  |       |                     |                     |       |       |          |

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Bureau Veritas Job #: C4V3527

Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.

Client Project #: OTT2947

Site Location: SUNCOR 4000 RIVERSIDE DRIVE

Your P.O. #: OTT2947

Sampler Initials: MS

**PETROLEUM HYDROCARBONS (CCME)**

|                          |              |                       |                 |                        |                       |                        |            |            |                 |
|--------------------------|--------------|-----------------------|-----------------|------------------------|-----------------------|------------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b> |              | AEZS76                |                 | AEZS77                 | AEZS78                | AEZS79                 |            |            |                 |
| <b>Sampling Date</b>     |              | 2024/10/01<br>14:20   |                 | 2024/10/01<br>15:30    | 2024/10/02<br>10:00   | 2024/10/02<br>10:50    |            |            |                 |
| <b>COC Number</b>        |              | C#1013277-01-01       |                 | C#1013277-01-01        | C#1013277-01-01       | C#1013277-01-01        |            |            |                 |
|                          | <b>UNITS</b> | <b>BH24-08_1-1.5M</b> | <b>QC Batch</b> | <b>BH24-09_2-2.45M</b> | <b>BH24-01_1-1.5M</b> | <b>BH24-07_2-2.45M</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |

|                           |      |      |         |      |      |      |     |     |         |
|---------------------------|------|------|---------|------|------|------|-----|-----|---------|
| <b>F2-F4 Hydrocarbons</b> |      |      |         |      |      |      |     |     |         |
| F2 (C10-C16 Hydrocarbons) | ug/g | <7.0 | 9692460 | <7.0 | <7.0 | <7.0 | 7.0 | 5.0 | 9694750 |
| F3 (C16-C34 Hydrocarbons) | ug/g | <50  | 9692460 | <50  | <50  | <50  | 50  | 5.0 | 9694750 |
| F4 (C34-C50 Hydrocarbons) | ug/g | <50  | 9692460 | <50  | <50  | <50  | 50  | 10  | 9694750 |
| Reached Baseline at C50   | ug/g | Yes  | 9692460 | Yes  | Yes  | Yes  |     |     | 9694750 |

**Surrogate Recovery (%)**

|             |   |     |         |    |    |    |  |  |         |
|-------------|---|-----|---------|----|----|----|--|--|---------|
| o-Terphenyl | % | 101 | 9692460 | 92 | 89 | 87 |  |  | 9694750 |
|-------------|---|-----|---------|----|----|----|--|--|---------|

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

|                          |              |                       |                       |                 |                       |                       |            |            |                 |
|--------------------------|--------------|-----------------------|-----------------------|-----------------|-----------------------|-----------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b> |              | AEZS80                | AEZS81                |                 | AEZS82                | AEZS83                |            |            |                 |
| <b>Sampling Date</b>     |              | 2024/10/02<br>13:20   | 2024/10/02<br>14:40   |                 | 2024/10/03<br>09:40   | 2024/10/03<br>11:30   |            |            |                 |
| <b>COC Number</b>        |              | C#1013277-01-01       | C#1013277-01-01       |                 | C#1013277-01-01       | C#1013277-01-01       |            |            |                 |
|                          | <b>UNITS</b> | <b>BH24-06_1.5-2M</b> | <b>BH24-05_1-1.5M</b> | <b>QC Batch</b> | <b>BH24-02_2-2.4M</b> | <b>BH24-04_0.5-1M</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |

|                           |      |      |      |         |      |      |     |     |         |
|---------------------------|------|------|------|---------|------|------|-----|-----|---------|
| <b>F2-F4 Hydrocarbons</b> |      |      |      |         |      |      |     |     |         |
| F2 (C10-C16 Hydrocarbons) | ug/g | <7.0 | <7.0 | 9694750 | <7.0 | <7.0 | 7.0 | 5.0 | 9692460 |
| F3 (C16-C34 Hydrocarbons) | ug/g | <50  | <50  | 9694750 | <50  | <50  | 50  | 5.0 | 9692460 |
| F4 (C34-C50 Hydrocarbons) | ug/g | <50  | <50  | 9694750 | <50  | <50  | 50  | 10  | 9692460 |
| Reached Baseline at C50   | ug/g | Yes  | Yes  | 9694750 | Yes  | Yes  |     |     | 9692460 |

**Surrogate Recovery (%)**

|             |   |    |    |         |    |    |  |  |         |
|-------------|---|----|----|---------|----|----|--|--|---------|
| o-Terphenyl | % | 85 | 91 | 9694750 | 94 | 97 |  |  | 9692460 |
|-------------|---|----|----|---------|----|----|--|--|---------|

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### PETROLEUM HYDROCARBONS (CCME)

|                                                                      |              |                       |            |            |                 |
|----------------------------------------------------------------------|--------------|-----------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>                                             |              | AEZS84                |            |            |                 |
| <b>Sampling Date</b>                                                 |              | 2024/10/03<br>12:40   |            |            |                 |
| <b>COC Number</b>                                                    |              | C#1013277-01-01       |            |            |                 |
|                                                                      | <b>UNITS</b> | <b>BH24-03_0.5-1M</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>F2-F4 Hydrocarbons</b>                                            |              |                       |            |            |                 |
| F2 (C10-C16 Hydrocarbons)                                            | ug/g         | <7.0                  | 7.0        | 5.0        | 9692460         |
| F3 (C16-C34 Hydrocarbons)                                            | ug/g         | <50                   | 50         | 5.0        | 9692460         |
| F4 (C34-C50 Hydrocarbons)                                            | ug/g         | <50                   | 50         | 10         | 9692460         |
| Reached Baseline at C50                                              | ug/g         | Yes                   |            |            | 9692460         |
| <b>Surrogate Recovery (%)</b>                                        |              |                       |            |            |                 |
| o-Terphenyl                                                          | %            | 94                    |            |            | 9692460         |
| RDL = Reportable Detection Limit<br>QC Batch = Quality Control Batch |              |                       |            |            |                 |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### GENERAL COMMENTS

Results relate only to the items tested.



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT

| QA/QC | Batch   | Init | QC Type      | Parameter                           | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|-------|---------|------|--------------|-------------------------------------|---------------|-------|----------|-------|-----------|
|       | 9688595 | MUC  | RPD          | Moisture                            | 2024/10/08    | 1.5   |          | %     | 20        |
|       | 9689083 | MUC  | RPD          | Moisture                            | 2024/10/08    | 1.5   |          | %     | 20        |
|       | 9689116 | DR1  | Matrix Spike | 4-Bromofluorobenzene                | 2024/10/09    |       | 91       | %     | 60 - 140  |
|       |         |      |              | D10-o-Xylene                        | 2024/10/09    |       | 105      | %     | 60 - 130  |
|       |         |      |              | D4-1,2-Dichloroethane               | 2024/10/09    |       | 125      | %     | 60 - 140  |
|       |         |      |              | D8-Toluene                          | 2024/10/09    |       | 104      | %     | 60 - 140  |
|       |         |      |              | Acetone (2-Propanone)               | 2024/10/09    |       | 144 (1)  | %     | 60 - 140  |
|       |         |      |              | Benzene                             | 2024/10/09    |       | 100      | %     | 60 - 140  |
|       |         |      |              | Bromodichloromethane                | 2024/10/09    |       | 105      | %     | 60 - 140  |
|       |         |      |              | Bromoform                           | 2024/10/09    |       | 106      | %     | 60 - 140  |
|       |         |      |              | Bromomethane                        | 2024/10/09    |       | 84       | %     | 60 - 140  |
|       |         |      |              | Carbon Tetrachloride                | 2024/10/09    |       | 100      | %     | 60 - 140  |
|       |         |      |              | Chlorobenzene                       | 2024/10/09    |       | 96       | %     | 60 - 140  |
|       |         |      |              | Chloroform                          | 2024/10/09    |       | 104      | %     | 60 - 140  |
|       |         |      |              | Dibromochloromethane                | 2024/10/09    |       | 112      | %     | 60 - 140  |
|       |         |      |              | 1,2-Dichlorobenzene                 | 2024/10/09    |       | 103      | %     | 60 - 140  |
|       |         |      |              | 1,3-Dichlorobenzene                 | 2024/10/09    |       | 101      | %     | 60 - 140  |
|       |         |      |              | 1,4-Dichlorobenzene                 | 2024/10/09    |       | 102      | %     | 60 - 140  |
|       |         |      |              | Dichlorodifluoromethane (FREON 12)  | 2024/10/09    |       | 79       | %     | 60 - 140  |
|       |         |      |              | 1,1-Dichloroethane                  | 2024/10/09    |       | 101      | %     | 60 - 140  |
|       |         |      |              | 1,2-Dichloroethane                  | 2024/10/09    |       | 124      | %     | 60 - 140  |
|       |         |      |              | 1,1-Dichloroethylene                | 2024/10/09    |       | 103      | %     | 60 - 140  |
|       |         |      |              | cis-1,2-Dichloroethylene            | 2024/10/09    |       | 102      | %     | 60 - 140  |
|       |         |      |              | trans-1,2-Dichloroethylene          | 2024/10/09    |       | 98       | %     | 60 - 140  |
|       |         |      |              | 1,2-Dichloropropane                 | 2024/10/09    |       | 109      | %     | 60 - 140  |
|       |         |      |              | cis-1,3-Dichloropropene             | 2024/10/09    |       | 108      | %     | 60 - 140  |
|       |         |      |              | trans-1,3-Dichloropropene           | 2024/10/09    |       | 134      | %     | 60 - 140  |
|       |         |      |              | Ethylbenzene                        | 2024/10/09    |       | 96       | %     | 60 - 140  |
|       |         |      |              | Ethylene Dibromide                  | 2024/10/09    |       | 110      | %     | 60 - 140  |
|       |         |      |              | Hexane                              | 2024/10/09    |       | 106      | %     | 60 - 140  |
|       |         |      |              | Methylene Chloride(Dichloromethane) | 2024/10/09    |       | 99       | %     | 60 - 140  |
|       |         |      |              | Methyl Ethyl Ketone (2-Butanone)    | 2024/10/09    |       | 146 (1)  | %     | 60 - 140  |
|       |         |      |              | Methyl Isobutyl Ketone              | 2024/10/09    |       | 128      | %     | 60 - 140  |
|       |         |      |              | Methyl t-butyl ether (MTBE)         | 2024/10/09    |       | 108      | %     | 60 - 140  |
|       |         |      |              | Styrene                             | 2024/10/09    |       | 98       | %     | 60 - 140  |
|       |         |      |              | 1,1,1,2-Tetrachloroethane           | 2024/10/09    |       | 105      | %     | 60 - 140  |
|       |         |      |              | 1,1,2,2-Tetrachloroethane           | 2024/10/09    |       | 111      | %     | 60 - 140  |
|       |         |      |              | Tetrachloroethylene                 | 2024/10/09    |       | 90       | %     | 60 - 140  |
|       |         |      |              | Toluene                             | 2024/10/09    |       | 99       | %     | 60 - 140  |
|       |         |      |              | 1,1,1-Trichloroethane               | 2024/10/09    |       | 93       | %     | 60 - 140  |
|       |         |      |              | 1,1,2-Trichloroethane               | 2024/10/09    |       | 128      | %     | 60 - 140  |
|       |         |      |              | Trichloroethylene                   | 2024/10/09    |       | 92       | %     | 60 - 140  |
|       |         |      |              | Trichlorofluoromethane (FREON 11)   | 2024/10/09    |       | 94       | %     | 60 - 140  |
|       |         |      |              | Vinyl Chloride                      | 2024/10/09    |       | 91       | %     | 60 - 140  |
|       |         |      |              | p+m-Xylene                          | 2024/10/09    |       | 94       | %     | 60 - 140  |
|       |         |      |              | o-Xylene                            | 2024/10/09    |       | 106      | %     | 60 - 140  |
|       |         |      |              | F1 (C6-C10)                         | 2024/10/09    |       | 85       | %     | 60 - 140  |
|       | 9689116 | DR1  | Spiked Blank | 4-Bromofluorobenzene                | 2024/10/09    |       | 94       | %     | 60 - 140  |
|       |         |      |              | D10-o-Xylene                        | 2024/10/09    |       | 93       | %     | 60 - 130  |
|       |         |      |              | D4-1,2-Dichloroethane               | 2024/10/09    |       | 123      | %     | 60 - 140  |
|       |         |      |              | D8-Toluene                          | 2024/10/09    |       | 103      | %     | 60 - 140  |
|       |         |      |              | Acetone (2-Propanone)               | 2024/10/09    |       | 129      | %     | 60 - 140  |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC   | Batch | Init         | QC Type | Parameter                           | Date Analyzed | Value   | Recovery | UNITS | QC Limits |
|---------|-------|--------------|---------|-------------------------------------|---------------|---------|----------|-------|-----------|
|         |       |              |         | Benzene                             | 2024/10/09    |         | 96       | %     | 60 - 130  |
|         |       |              |         | Bromodichloromethane                | 2024/10/09    |         | 102      | %     | 60 - 130  |
|         |       |              |         | Bromoform                           | 2024/10/09    |         | 109      | %     | 60 - 130  |
|         |       |              |         | Bromomethane                        | 2024/10/09    |         | 79       | %     | 60 - 140  |
|         |       |              |         | Carbon Tetrachloride                | 2024/10/09    |         | 97       | %     | 60 - 130  |
|         |       |              |         | Chlorobenzene                       | 2024/10/09    |         | 92       | %     | 60 - 130  |
|         |       |              |         | Chloroform                          | 2024/10/09    |         | 99       | %     | 60 - 130  |
|         |       |              |         | Dibromochloromethane                | 2024/10/09    |         | 111      | %     | 60 - 130  |
|         |       |              |         | 1,2-Dichlorobenzene                 | 2024/10/09    |         | 101      | %     | 60 - 130  |
|         |       |              |         | 1,3-Dichlorobenzene                 | 2024/10/09    |         | 104      | %     | 60 - 130  |
|         |       |              |         | 1,4-Dichlorobenzene                 | 2024/10/09    |         | 97       | %     | 60 - 130  |
|         |       |              |         | Dichlorodifluoromethane (FREON 12)  | 2024/10/09    |         | 77       | %     | 60 - 140  |
|         |       |              |         | 1,1-Dichloroethane                  | 2024/10/09    |         | 96       | %     | 60 - 130  |
|         |       |              |         | 1,2-Dichloroethane                  | 2024/10/09    |         | 119      | %     | 60 - 130  |
|         |       |              |         | 1,1-Dichloroethylene                | 2024/10/09    |         | 98       | %     | 60 - 130  |
|         |       |              |         | cis-1,2-Dichloroethylene            | 2024/10/09    |         | 99       | %     | 60 - 130  |
|         |       |              |         | trans-1,2-Dichloroethylene          | 2024/10/09    |         | 94       | %     | 60 - 130  |
|         |       |              |         | 1,2-Dichloropropane                 | 2024/10/09    |         | 105      | %     | 60 - 130  |
|         |       |              |         | cis-1,3-Dichloropropene             | 2024/10/09    |         | 103      | %     | 60 - 130  |
|         |       |              |         | trans-1,3-Dichloropropene           | 2024/10/09    |         | 127      | %     | 60 - 130  |
|         |       |              |         | Ethylbenzene                        | 2024/10/09    |         | 95       | %     | 60 - 130  |
|         |       |              |         | Ethylene Dibromide                  | 2024/10/09    |         | 107      | %     | 60 - 130  |
|         |       |              |         | Hexane                              | 2024/10/09    |         | 101      | %     | 60 - 130  |
|         |       |              |         | Methylene Chloride(Dichloromethane) | 2024/10/09    |         | 95       | %     | 60 - 130  |
|         |       |              |         | Methyl Ethyl Ketone (2-Butanone)    | 2024/10/09    |         | 137      | %     | 60 - 140  |
|         |       |              |         | Methyl Isobutyl Ketone              | 2024/10/09    |         | 125      | %     | 60 - 130  |
|         |       |              |         | Methyl t-butyl ether (MTBE)         | 2024/10/09    |         | 103      | %     | 60 - 130  |
|         |       |              |         | Styrene                             | 2024/10/09    |         | 95       | %     | 60 - 130  |
|         |       |              |         | 1,1,1,2-Tetrachloroethane           | 2024/10/09    |         | 105      | %     | 60 - 130  |
|         |       |              |         | 1,1,2,2-Tetrachloroethane           | 2024/10/09    |         | 109      | %     | 60 - 130  |
|         |       |              |         | Tetrachloroethylene                 | 2024/10/09    |         | 86       | %     | 60 - 130  |
|         |       |              |         | Toluene                             | 2024/10/09    |         | 94       | %     | 60 - 130  |
|         |       |              |         | 1,1,1-Trichloroethane               | 2024/10/09    |         | 90       | %     | 60 - 130  |
|         |       |              |         | 1,1,2-Trichloroethane               | 2024/10/09    |         | 123      | %     | 60 - 130  |
|         |       |              |         | Trichloroethylene                   | 2024/10/09    |         | 89       | %     | 60 - 130  |
|         |       |              |         | Trichlorofluoromethane (FREON 11)   | 2024/10/09    |         | 89       | %     | 60 - 130  |
|         |       |              |         | Vinyl Chloride                      | 2024/10/09    |         | 88       | %     | 60 - 130  |
|         |       |              |         | p+m-Xylene                          | 2024/10/09    |         | 93       | %     | 60 - 130  |
|         |       |              |         | o-Xylene                            | 2024/10/09    |         | 103      | %     | 60 - 130  |
|         |       |              |         | F1 (C6-C10)                         | 2024/10/09    |         | 84       | %     | 80 - 120  |
| 9689116 | DR1   | Method Blank |         | 4-Bromofluorobenzene                | 2024/10/09    |         | 92       | %     | 60 - 140  |
|         |       |              |         | D10-o-Xylene                        | 2024/10/09    |         | 95       | %     | 60 - 130  |
|         |       |              |         | D4-1,2-Dichloroethane               | 2024/10/09    |         | 116      | %     | 60 - 140  |
|         |       |              |         | D8-Toluene                          | 2024/10/09    |         | 103      | %     | 60 - 140  |
|         |       |              |         | Acetone (2-Propanone)               | 2024/10/09    | <0.49   |          | ug/g  |           |
|         |       |              |         | Benzene                             | 2024/10/09    | <0.0060 |          | ug/g  |           |
|         |       |              |         | Bromodichloromethane                | 2024/10/09    | <0.040  |          | ug/g  |           |
|         |       |              |         | Bromoform                           | 2024/10/09    | <0.040  |          | ug/g  |           |
|         |       |              |         | Bromomethane                        | 2024/10/09    | <0.040  |          | ug/g  |           |
|         |       |              |         | Carbon Tetrachloride                | 2024/10/09    | <0.040  |          | ug/g  |           |
|         |       |              |         | Chlorobenzene                       | 2024/10/09    | <0.040  |          | ug/g  |           |
|         |       |              |         | Chloroform                          | 2024/10/09    | <0.040  |          | ug/g  |           |



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Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC   | Batch | Init | QC Type | Parameter                           | Date Analyzed | Value  | Recovery | UNITS | QC Limits |
|---------|-------|------|---------|-------------------------------------|---------------|--------|----------|-------|-----------|
|         |       |      |         | Dibromochloromethane                | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | 1,2-Dichlorobenzene                 | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | 1,3-Dichlorobenzene                 | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | 1,4-Dichlorobenzene                 | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | Dichlorodifluoromethane (FREON 12)  | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | 1,1-Dichloroethane                  | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | 1,2-Dichloroethane                  | 2024/10/09    | <0.049 |          | ug/g  |           |
|         |       |      |         | 1,1-Dichloroethylene                | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | cis-1,2-Dichloroethylene            | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | trans-1,2-Dichloroethylene          | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | 1,2-Dichloropropane                 | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | cis-1,3-Dichloropropene             | 2024/10/09    | <0.030 |          | ug/g  |           |
|         |       |      |         | trans-1,3-Dichloropropene           | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | Ethylbenzene                        | 2024/10/09    | <0.010 |          | ug/g  |           |
|         |       |      |         | Ethylene Dibromide                  | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | Hexane                              | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | Methylene Chloride(Dichloromethane) | 2024/10/09    | <0.049 |          | ug/g  |           |
|         |       |      |         | Methyl Ethyl Ketone (2-Butanone)    | 2024/10/09    | <0.40  |          | ug/g  |           |
|         |       |      |         | Methyl Isobutyl Ketone              | 2024/10/09    | <0.40  |          | ug/g  |           |
|         |       |      |         | Methyl t-butyl ether (MTBE)         | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | Styrene                             | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | 1,1,1,2-Tetrachloroethane           | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | 1,1,2,2-Tetrachloroethane           | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | Tetrachloroethylene                 | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | Toluene                             | 2024/10/09    | <0.020 |          | ug/g  |           |
|         |       |      |         | 1,1,1-Trichloroethane               | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | 1,1,2-Trichloroethane               | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | Trichloroethylene                   | 2024/10/09    | <0.010 |          | ug/g  |           |
|         |       |      |         | Trichlorofluoromethane (FREON 11)   | 2024/10/09    | <0.040 |          | ug/g  |           |
|         |       |      |         | Vinyl Chloride                      | 2024/10/09    | <0.019 |          | ug/g  |           |
|         |       |      |         | p+m-Xylene                          | 2024/10/09    | <0.020 |          | ug/g  |           |
|         |       |      |         | o-Xylene                            | 2024/10/09    | <0.020 |          | ug/g  |           |
|         |       |      |         | Total Xylenes                       | 2024/10/09    | <0.020 |          | ug/g  |           |
|         |       |      |         | F1 (C6-C10)                         | 2024/10/09    | <10    |          | ug/g  |           |
|         |       |      |         | F1 (C6-C10) - BTEX                  | 2024/10/09    | <10    |          | ug/g  |           |
| 9689116 | DR1   | RPD  |         | Acetone (2-Propanone)               | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | Benzene                             | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | Bromodichloromethane                | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | Bromoform                           | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | Bromomethane                        | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | Carbon Tetrachloride                | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | Chlorobenzene                       | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | Chloroform                          | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | Dibromochloromethane                | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | 1,2-Dichlorobenzene                 | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | 1,3-Dichlorobenzene                 | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | 1,4-Dichlorobenzene                 | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | Dichlorodifluoromethane (FREON 12)  | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | 1,1-Dichloroethane                  | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | 1,2-Dichloroethane                  | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | 1,1-Dichloroethylene                | 2024/10/09    | NC     |          | %     | 50        |
|         |       |      |         | cis-1,2-Dichloroethylene            | 2024/10/09    | NC     |          | %     | 50        |



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Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type                  | Parameter                           | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|-------------|------|--------------------------|-------------------------------------|---------------|-------|----------|-------|-----------|
|             |      |                          | trans-1,2-Dichloroethylene          | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | 1,2-Dichloropropane                 | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | cis-1,3-Dichloropropene             | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | trans-1,3-Dichloropropene           | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Ethylbenzene                        | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Ethylene Dibromide                  | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Hexane                              | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Methylene Chloride(Dichloromethane) | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Methyl Ethyl Ketone (2-Butanone)    | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Methyl Isobutyl Ketone              | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Methyl t-butyl ether (MTBE)         | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Styrene                             | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | 1,1,1,2-Tetrachloroethane           | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | 1,1,2,2-Tetrachloroethane           | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Tetrachloroethylene                 | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Toluene                             | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | 1,1,1-Trichloroethane               | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | 1,1,2-Trichloroethane               | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Trichloroethylene                   | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Trichlorofluoromethane (FREON 11)   | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Vinyl Chloride                      | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | p+m-Xylene                          | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | o-Xylene                            | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Total Xylenes                       | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | F1 (C6-C10)                         | 2024/10/09    | NC    |          | %     | 30        |
|             |      |                          | F1 (C6-C10) - BTEX                  | 2024/10/09    | NC    |          | %     | 30        |
| 9690573     | JTS  | RPD                      | Moisture                            | 2024/10/09    | 2.9   |          | %     | 20        |
| 9690668     | SB5  | Matrix Spike             | Chromium (VI)                       | 2024/10/09    |       | 86       | %     | 70 - 130  |
| 9690668     | SB5  | Spiked Blank             | Chromium (VI)                       | 2024/10/09    |       | 90       | %     | 80 - 120  |
| 9690668     | SB5  | Method Blank             | Chromium (VI)                       | 2024/10/09    | <0.18 |          | ug/g  |           |
| 9690668     | SB5  | RPD                      | Chromium (VI)                       | 2024/10/09    | NC    |          | %     | 35        |
| 9690882     | AGA  | Matrix Spike [AEZS76-02] | Propylene Glycol                    | 2024/10/10    |       | 105      | %     | 60 - 140  |
|             |      |                          | Ethylene Glycol                     | 2024/10/10    |       | 103      | %     | 60 - 140  |
|             |      |                          | Diethylene Glycol                   | 2024/10/10    |       | 99       | %     | 60 - 140  |
| 9690882     | AGA  | Spiked Blank             | Propylene Glycol                    | 2024/10/09    |       | 107      | %     | 60 - 140  |
|             |      |                          | Ethylene Glycol                     | 2024/10/09    |       | 107      | %     | 60 - 140  |
|             |      |                          | Diethylene Glycol                   | 2024/10/09    |       | 108      | %     | 60 - 140  |
| 9690882     | AGA  | Method Blank             | Propylene Glycol                    | 2024/10/09    | <10   |          | mg/kg |           |
|             |      |                          | Ethylene Glycol                     | 2024/10/09    | <10   |          | mg/kg |           |
|             |      |                          | Diethylene Glycol                   | 2024/10/09    | <10   |          | mg/kg |           |
|             |      |                          | Total Glycol                        | 2024/10/09    | <10   |          | mg/kg |           |
| 9690882     | AGA  | RPD [AEZS76-02]          | Propylene Glycol                    | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Ethylene Glycol                     | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Diethylene Glycol                   | 2024/10/09    | NC    |          | %     | 50        |
|             |      |                          | Total Glycol                        | 2024/10/09    | NC    |          | %     | 50        |
| 9691184     | KIT  | Spiked Blank             | Available (CaCl2) pH                | 2024/10/09    |       | 100      | %     | 97 - 103  |
| 9691184     | KIT  | RPD                      | Available (CaCl2) pH                | 2024/10/09    | 0.24  |          | %     | N/A       |
| 9691230     | KIT  | Spiked Blank             | Available (CaCl2) pH                | 2024/10/09    |       | 100      | %     | 97 - 103  |
| 9691230     | KIT  | RPD                      | Available (CaCl2) pH                | 2024/10/09    | 0.037 |          | %     | N/A       |
| 9691592     | RAJ  | Matrix Spike             | D10-Anthracene                      | 2024/10/10    |       | 106      | %     | 50 - 130  |
|             |      |                          | D14-Terphenyl (FS)                  | 2024/10/10    |       | 100      | %     | 50 - 130  |
|             |      |                          | D8-Acenaphthylene                   | 2024/10/10    |       | 93       | %     | 50 - 130  |



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Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC   | Batch | Init         | QC Type                | Parameter  | Date Analyzed | Value | Recovery | UNITS    | QC Limits |
|---------|-------|--------------|------------------------|------------|---------------|-------|----------|----------|-----------|
| 9691592 | RAJ   | Spiked Blank | Acenaphthene           | 2024/10/10 |               | 96    | %        | 50 - 130 |           |
|         |       |              | Acenaphthylene         | 2024/10/10 |               | 87    | %        | 50 - 130 |           |
|         |       |              | Anthracene             | 2024/10/10 |               | 103   | %        | 50 - 130 |           |
|         |       |              | Benzo(a)anthracene     | 2024/10/10 |               | 94    | %        | 50 - 130 |           |
|         |       |              | Benzo(a)pyrene         | 2024/10/10 |               | 96    | %        | 50 - 130 |           |
|         |       |              | Benzo(b/j)fluoranthene | 2024/10/10 |               | 95    | %        | 50 - 130 |           |
|         |       |              | Benzo(g,h,i)perylene   | 2024/10/10 |               | 101   | %        | 50 - 130 |           |
|         |       |              | Benzo(k)fluoranthene   | 2024/10/10 |               | 93    | %        | 50 - 130 |           |
|         |       |              | Chrysene               | 2024/10/10 |               | 85    | %        | 50 - 130 |           |
|         |       |              | Dibenzo(a,h)anthracene | 2024/10/10 |               | 118   | %        | 50 - 130 |           |
|         |       |              | Fluoranthene           | 2024/10/10 |               | 97    | %        | 50 - 130 |           |
|         |       |              | Fluorene               | 2024/10/10 |               | 94    | %        | 50 - 130 |           |
|         |       |              | Indeno(1,2,3-cd)pyrene | 2024/10/10 |               | 96    | %        | 50 - 130 |           |
|         |       |              | 1-Methylnaphthalene    | 2024/10/10 |               | 92    | %        | 50 - 130 |           |
|         |       |              | 2-Methylnaphthalene    | 2024/10/10 |               | 86    | %        | 50 - 130 |           |
|         |       |              | Naphthalene            | 2024/10/10 |               | 85    | %        | 50 - 130 |           |
|         |       |              | Phenanthrene           | 2024/10/10 |               | 87    | %        | 50 - 130 |           |
|         |       |              | Pyrene                 | 2024/10/10 |               | 102   | %        | 50 - 130 |           |
|         |       |              | D10-Anthracene         | 2024/10/10 |               | 110   | %        | 50 - 130 |           |
|         |       |              | D14-Terphenyl (FS)     | 2024/10/10 |               | 98    | %        | 50 - 130 |           |
|         |       |              | D8-Acenaphthylene      | 2024/10/10 |               | 92    | %        | 50 - 130 |           |
|         |       |              | Acenaphthene           | 2024/10/10 |               | 91    | %        | 50 - 130 |           |
|         |       |              | Acenaphthylene         | 2024/10/10 |               | 84    | %        | 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 |               | 94    | %        | 50 - 130 |           |
|         |       |              | Benzo(g,h,i)perylene   | 2024/10/10 |               | 100   | %        | 50 - 130 |           |
|         |       |              | Benzo(k)fluoranthene   | 2024/10/10 |               | 94    | %        | 50 - 130 |           |
|         |       |              | Chrysene               | 2024/10/10 |               | 83    | %        | 50 - 130 |           |
|         |       |              | Dibenzo(a,h)anthracene | 2024/10/10 |               | 103   | %        | 50 - 130 |           |
|         |       |              | Fluoranthene           | 2024/10/10 |               | 94    | %        | 50 - 130 |           |
|         |       |              | Fluorene               | 2024/10/10 |               | 91    | %        | 50 - 130 |           |
|         |       |              | Indeno(1,2,3-cd)pyrene | 2024/10/10 |               | 93    | %        | 50 - 130 |           |
|         |       |              | 1-Methylnaphthalene    | 2024/10/10 |               | 91    | %        | 50 - 130 |           |
|         |       |              | 2-Methylnaphthalene    | 2024/10/10 |               | 86    | %        | 50 - 130 |           |
|         |       |              | Naphthalene            | 2024/10/10 |               | 87    | %        | 50 - 130 |           |
|         |       |              | Phenanthrene           | 2024/10/10 |               | 91    | %        | 50 - 130 |           |
|         |       |              | Pyrene                 | 2024/10/10 |               | 99    | %        | 50 - 130 |           |
| 9691592 | RAJ   | Method Blank | D10-Anthracene         | 2024/10/10 |               | 124   | %        | 50 - 130 |           |
|         |       |              | D14-Terphenyl (FS)     | 2024/10/10 |               | 102   | %        | 50 - 130 |           |
|         |       |              | D8-Acenaphthylene      | 2024/10/10 |               | 91    | %        | 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     |          |           |



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Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type      | Parameter                 | Date Analyzed | Value   | Recovery | UNITS | QC Limits |
|-------------|------|--------------|---------------------------|---------------|---------|----------|-------|-----------|
| 9691592     | RAJ  | RPD          | 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  |           |
|             |      |              | 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        |
| 9691843     | MEN  | Matrix Spike | Hot Water Ext. Boron (B)  | 2024/10/10    |         | 98       | %     | 75 - 125  |
| 9691843     | MEN  | Spiked Blank | Hot Water Ext. Boron (B)  | 2024/10/10    |         | 93       | %     | 75 - 125  |
| 9691843     | MEN  | Method Blank | Hot Water Ext. Boron (B)  | 2024/10/10    | <0.050  |          | ug/g  |           |
| 9691843     | MEN  | RPD          | Hot Water Ext. Boron (B)  | 2024/10/10    | 15      |          | %     | 40        |
| 9692460     | MSZ  | Matrix Spike | o-Terphenyl               | 2024/10/11    |         | 99       | %     | 60 - 140  |
|             |      |              | F2 (C10-C16 Hydrocarbons) | 2024/10/11    |         | 105      | %     | 60 - 140  |
|             |      |              | F3 (C16-C34 Hydrocarbons) | 2024/10/11    |         | 102      | %     | 60 - 140  |
|             |      |              | F4 (C34-C50 Hydrocarbons) | 2024/10/11    |         | 99       | %     | 60 - 140  |
|             |      | Spiked Blank | o-Terphenyl               | 2024/10/11    |         | 94       | %     | 60 - 140  |
|             |      |              | F2 (C10-C16 Hydrocarbons) | 2024/10/11    |         | 99       | %     | 80 - 120  |
|             |      |              | F3 (C16-C34 Hydrocarbons) | 2024/10/11    |         | 96       | %     | 80 - 120  |
|             |      |              | F4 (C34-C50 Hydrocarbons) | 2024/10/11    |         | 92       | %     | 80 - 120  |
| 9692460     | MSZ  | Method Blank | o-Terphenyl               | 2024/10/11    |         | 97       | %     | 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  |           |
|             |      | 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        |
|             |      |              |                           |               |         |          |       |           |
| 9692803     | FGA  | QC Standard  | Sieve - #200 (<0.075mm)   | 2024/10/10    |         | 56       | %     | 53 - 58   |
|             |      |              | Sieve - #200 (>0.075mm)   | 2024/10/10    |         | 44       | %     | 42 - 47   |
| 9692803     | FGA  | RPD          | Sieve - #200 (<0.075mm)   | 2024/10/10    | 1.6     |          | %     | 20        |
|             |      |              | Sieve - #200 (>0.075mm)   | 2024/10/10    | 4.3     |          | %     | 20        |
| 9693324     | GTK  | Spiked Blank | Conductivity              | 2024/10/10    |         | 103      | %     | 90 - 110  |
| 9693324     | GTK  | Method Blank | Conductivity              | 2024/10/10    | <0.002  |          | mS/cm |           |
| 9693324     | GTK  | RPD          | Conductivity              | 2024/10/10    | 0.77    |          | %     | 10        |



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| QA/QC | Batch   | Init | QC Type      | Parameter                        | Date Analyzed | Value  | Recovery | UNITS | QC Limits |
|-------|---------|------|--------------|----------------------------------|---------------|--------|----------|-------|-----------|
|       | 9693407 | TLG  | Matrix Spike | Hot Water Ext. Boron (B)         | 2024/10/11    |        | 100      | %     | 75 - 125  |
|       | 9693407 | TLG  | Spiked Blank | Hot Water Ext. Boron (B)         | 2024/10/11    |        | 99       | %     | 75 - 125  |
|       | 9693407 | TLG  | Method Blank | Hot Water Ext. Boron (B)         | 2024/10/11    | <0.050 |          | ug/g  |           |
|       | 9693407 | TLG  | RPD          | Hot Water Ext. Boron (B)         | 2024/10/11    | 6.5    |          | %     | 40        |
|       | 9693482 | JWK  | Matrix Spike | Acid Extractable Antimony (Sb)   | 2024/10/11    |        | 96       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Arsenic (As)    | 2024/10/11    |        | 96       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Barium (Ba)     | 2024/10/11    |        | NC       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Beryllium (Be)  | 2024/10/11    |        | 99       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Boron (B)       | 2024/10/11    |        | 96       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Cadmium (Cd)    | 2024/10/11    |        | 98       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Chromium (Cr)   | 2024/10/11    |        | 91       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Cobalt (Co)     | 2024/10/11    |        | 93       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Copper (Cu)     | 2024/10/11    |        | 88       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Lead (Pb)       | 2024/10/11    |        | 96       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Molybdenum (Mo) | 2024/10/11    |        | 91       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Nickel (Ni)     | 2024/10/11    |        | 97       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Selenium (Se)   | 2024/10/11    |        | 97       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Silver (Ag)     | 2024/10/11    |        | 94       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Thallium (Tl)   | 2024/10/11    |        | 95       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Uranium (U)     | 2024/10/11    |        | 99       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Vanadium (V)    | 2024/10/11    |        | NC       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Zinc (Zn)       | 2024/10/11    |        | NC       | %     | 75 - 125  |
|       |         |      |              | Acid Extractable Mercury (Hg)    | 2024/10/11    |        | 97       | %     | 75 - 125  |
|       | 9693482 | JWK  | Spiked Blank | Acid Extractable Antimony (Sb)   | 2024/10/11    |        | 95       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Arsenic (As)    | 2024/10/11    |        | 95       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Barium (Ba)     | 2024/10/11    |        | 98       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Beryllium (Be)  | 2024/10/11    |        | 93       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Boron (B)       | 2024/10/11    |        | 95       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Cadmium (Cd)    | 2024/10/11    |        | 93       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Chromium (Cr)   | 2024/10/11    |        | 92       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Cobalt (Co)     | 2024/10/11    |        | 91       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Copper (Cu)     | 2024/10/11    |        | 93       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Lead (Pb)       | 2024/10/11    |        | 91       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Molybdenum (Mo) | 2024/10/11    |        | 85       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Nickel (Ni)     | 2024/10/11    |        | 95       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Selenium (Se)   | 2024/10/11    |        | 95       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Silver (Ag)     | 2024/10/11    |        | 88       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Thallium (Tl)   | 2024/10/11    |        | 91       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Uranium (U)     | 2024/10/11    |        | 93       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Vanadium (V)    | 2024/10/11    |        | 92       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Zinc (Zn)       | 2024/10/11    |        | 100      | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Mercury (Hg)    | 2024/10/11    |        | 92       | %     | 80 - 120  |
|       | 9693482 | JWK  | Method Blank | Acid Extractable Antimony (Sb)   | 2024/10/11    | <0.20  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Arsenic (As)    | 2024/10/11    | <1.0   |          | ug/g  |           |
|       |         |      |              | Acid Extractable Barium (Ba)     | 2024/10/11    | <0.50  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Beryllium (Be)  | 2024/10/11    | <0.20  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Boron (B)       | 2024/10/11    | <5.0   |          | ug/g  |           |
|       |         |      |              | Acid Extractable Cadmium (Cd)    | 2024/10/11    | <0.10  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Chromium (Cr)   | 2024/10/11    | <1.0   |          | ug/g  |           |
|       |         |      |              | Acid Extractable Cobalt (Co)     | 2024/10/11    | <0.10  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Copper (Cu)     | 2024/10/11    | <0.50  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Lead (Pb)       | 2024/10/11    | <1.0   |          | ug/g  |           |



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| QA/QC   | Batch | Init         | QC Type | Parameter                        | Date Analyzed | Value   | Recovery | UNITS | QC Limits |
|---------|-------|--------------|---------|----------------------------------|---------------|---------|----------|-------|-----------|
| 9693482 | JWK   | RPD          |         | Acid Extractable Molybdenum (Mo) | 2024/10/11    | <0.50   |          | ug/g  |           |
|         |       |              |         | Acid Extractable Nickel (Ni)     | 2024/10/11    | <0.50   |          | ug/g  |           |
|         |       |              |         | Acid Extractable Selenium (Se)   | 2024/10/11    | <0.50   |          | ug/g  |           |
|         |       |              |         | Acid Extractable Silver (Ag)     | 2024/10/11    | <0.20   |          | ug/g  |           |
|         |       |              |         | Acid Extractable Thallium (Tl)   | 2024/10/11    | <0.050  |          | ug/g  |           |
|         |       |              |         | Acid Extractable Uranium (U)     | 2024/10/11    | <0.050  |          | ug/g  |           |
|         |       |              |         | Acid Extractable Vanadium (V)    | 2024/10/11    | <5.0    |          | ug/g  |           |
|         |       |              |         | Acid Extractable Zinc (Zn)       | 2024/10/11    | <5.0    |          | ug/g  |           |
|         |       |              |         | Acid Extractable Mercury (Hg)    | 2024/10/11    | <0.050  |          | ug/g  |           |
|         |       |              |         | Acid Extractable Antimony (Sb)   | 2024/10/11    | NC      |          | %     | 30        |
|         |       |              |         | Acid Extractable Arsenic (As)    | 2024/10/11    | 5.4     |          | %     | 30        |
|         |       |              |         | Acid Extractable Barium (Ba)     | 2024/10/11    | 0.90    |          | %     | 30        |
|         |       |              |         | Acid Extractable Beryllium (Be)  | 2024/10/11    | NC      |          | %     | 30        |
|         |       |              |         | Acid Extractable Boron (B)       | 2024/10/11    | NC      |          | %     | 30        |
|         |       |              |         | Acid Extractable Cadmium (Cd)    | 2024/10/11    | NC      |          | %     | 30        |
|         |       |              |         | Acid Extractable Chromium (Cr)   | 2024/10/11    | 0.19    |          | %     | 30        |
|         |       |              |         | Acid Extractable Cobalt (Co)     | 2024/10/11    | 0.13    |          | %     | 30        |
|         |       |              |         | Acid Extractable Copper (Cu)     | 2024/10/11    | 1.0     |          | %     | 30        |
|         |       |              |         | Acid Extractable Lead (Pb)       | 2024/10/11    | 12      |          | %     | 30        |
|         |       |              |         | Acid Extractable Molybdenum (Mo) | 2024/10/11    | NC      |          | %     | 30        |
|         |       |              |         | Acid Extractable Nickel (Ni)     | 2024/10/11    | 2.2     |          | %     | 30        |
|         |       |              |         | Acid Extractable Selenium (Se)   | 2024/10/11    | NC      |          | %     | 30        |
|         |       |              |         | Acid Extractable Silver (Ag)     | 2024/10/11    | NC      |          | %     | 30        |
|         |       |              |         | Acid Extractable Thallium (Tl)   | 2024/10/11    | 0.080   |          | %     | 30        |
|         |       |              |         | Acid Extractable Uranium (U)     | 2024/10/11    | 1.8     |          | %     | 30        |
|         |       |              |         | Acid Extractable Vanadium (V)    | 2024/10/11    | 2.8     |          | %     | 30        |
|         |       |              |         | Acid Extractable Zinc (Zn)       | 2024/10/11    | 0.00079 |          | %     | 30        |
|         |       |              |         | Acid Extractable Mercury (Hg)    | 2024/10/11    | NC      |          | %     | 30        |
| 9693532 | SB5   | Matrix Spike |         | Chromium (VI)                    | 2024/10/10    |         | 92       | %     | 70 - 130  |
| 9693532 | SB5   | Spiked Blank |         | Chromium (VI)                    | 2024/10/10    |         | 94       | %     | 80 - 120  |
| 9693532 | SB5   | Method Blank |         | Chromium (VI)                    | 2024/10/10    | <0.18   |          | ug/g  |           |
| 9693532 | SB5   | RPD          |         | Chromium (VI)                    | 2024/10/10    | NC      |          | %     | 35        |
| 9693580 | SUK   | Matrix Spike |         | Hot Water Ext. Boron (B)         | 2024/10/10    |         | 100      | %     | 75 - 125  |
| 9693580 | SUK   | Spiked Blank |         | Hot Water Ext. Boron (B)         | 2024/10/10    |         | 96       | %     | 75 - 125  |
| 9693580 | SUK   | Method Blank |         | Hot Water Ext. Boron (B)         | 2024/10/10    | <0.050  |          | ug/g  |           |
| 9693580 | SUK   | RPD          |         | Hot Water Ext. Boron (B)         | 2024/10/10    | 14      |          | %     | 40        |
| 9694349 | JWK   | Matrix Spike |         | Acid Extractable Antimony (Sb)   | 2024/10/12    |         | 98       | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Arsenic (As)    | 2024/10/12    |         | 98       | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Barium (Ba)     | 2024/10/12    |         | NC       | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Beryllium (Be)  | 2024/10/12    |         | 101      | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Boron (B)       | 2024/10/12    |         | 90       | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Cadmium (Cd)    | 2024/10/12    |         | 101      | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Chromium (Cr)   | 2024/10/12    |         | 99       | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Cobalt (Co)     | 2024/10/12    |         | 96       | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Copper (Cu)     | 2024/10/12    |         | 99       | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Lead (Pb)       | 2024/10/12    |         | 101      | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Molybdenum (Mo) | 2024/10/12    |         | 97       | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Nickel (Ni)     | 2024/10/12    |         | 98       | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Selenium (Se)   | 2024/10/12    |         | 99       | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Silver (Ag)     | 2024/10/12    |         | 98       | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Thallium (Tl)   | 2024/10/12    |         | 103      | %     | 75 - 125  |
|         |       |              |         | Acid Extractable Uranium (U)     | 2024/10/12    |         | 108      | %     | 75 - 125  |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC                            | Batch      | Init         | QC Type                          | Parameter  | Date Analyzed | Value                         | Recovery   | UNITS    | QC Limits |
|----------------------------------|------------|--------------|----------------------------------|------------|---------------|-------------------------------|------------|----------|-----------|
| 9694349                          | JWK        | Spiked Blank | Acid Extractable Vanadium (V)    | 2024/10/12 |               | NC                            | %          | 75 - 125 |           |
|                                  |            |              | Acid Extractable Zinc (Zn)       | 2024/10/12 |               | NC                            | %          | 75 - 125 |           |
|                                  |            |              | Acid Extractable Mercury (Hg)    | 2024/10/12 |               | 105                           | %          | 75 - 125 |           |
|                                  |            |              | Acid Extractable Antimony (Sb)   | 2024/10/11 |               | 106                           | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Arsenic (As)    | 2024/10/11 |               | 99                            | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Barium (Ba)     | 2024/10/11 |               | 97                            | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Beryllium (Be)  | 2024/10/11 |               | 97                            | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Boron (B)       | 2024/10/11 |               | 101                           | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Cadmium (Cd)    | 2024/10/11 |               | 101                           | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Chromium (Cr)   | 2024/10/11 |               | 99                            | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Cobalt (Co)     | 2024/10/11 |               | 99                            | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Copper (Cu)     | 2024/10/11 |               | 98                            | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Lead (Pb)       | 2024/10/11 |               | 100                           | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Molybdenum (Mo) | 2024/10/11 |               | 95                            | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Nickel (Ni)     | 2024/10/11 |               | 101                           | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Selenium (Se)   | 2024/10/11 |               | 102                           | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Silver (Ag)     | 2024/10/11 |               | 99                            | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Thallium (Tl)   | 2024/10/11 |               | 101                           | %          | 80 - 120 |           |
|                                  |            |              | Acid Extractable Uranium (U)     | 2024/10/11 |               | 103                           | %          | 80 - 120 |           |
|                                  |            |              | 9694349                          | JWK        | Method Blank  | Acid Extractable Vanadium (V) | 2024/10/11 |          | 101       |
| Acid Extractable Zinc (Zn)       | 2024/10/11 |              |                                  |            |               | 102                           | %          | 80 - 120 |           |
| Acid Extractable Mercury (Hg)    | 2024/10/11 |              |                                  |            |               | 106                           | %          | 80 - 120 |           |
| Acid Extractable Antimony (Sb)   | 2024/10/11 | <0.20        |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Arsenic (As)    | 2024/10/11 | <1.0         |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Barium (Ba)     | 2024/10/11 | <0.50        |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Beryllium (Be)  | 2024/10/11 | <0.20        |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Boron (B)       | 2024/10/11 | <5.0         |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Cadmium (Cd)    | 2024/10/11 | <0.10        |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Chromium (Cr)   | 2024/10/11 | <1.0         |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Cobalt (Co)     | 2024/10/11 | <0.10        |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Copper (Cu)     | 2024/10/11 | <0.50        |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Lead (Pb)       | 2024/10/11 | <1.0         |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Molybdenum (Mo) | 2024/10/11 | <0.50        |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Nickel (Ni)     | 2024/10/11 | <0.50        |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Selenium (Se)   | 2024/10/11 | <0.50        |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Silver (Ag)     | 2024/10/11 | <0.20        |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Thallium (Tl)   | 2024/10/11 | <0.050       |                                  |            |               |                               | ug/g       |          |           |
| Acid Extractable Uranium (U)     | 2024/10/11 | <0.050       |                                  |            |               |                               | ug/g       |          |           |
| 9694349                          | JWK        | RPD          |                                  |            |               | Acid Extractable Vanadium (V) | 2024/10/11 | <5.0     |           |
|                                  |            |              | Acid Extractable Zinc (Zn)       | 2024/10/11 | <5.0          |                               | ug/g       |          |           |
|                                  |            |              | Acid Extractable Mercury (Hg)    | 2024/10/11 | <0.050        |                               | ug/g       |          |           |
|                                  |            |              | Acid Extractable Antimony (Sb)   | 2024/10/12 | NC            |                               | %          | 30       |           |
|                                  |            |              | Acid Extractable Arsenic (As)    | 2024/10/12 | 0.11          |                               | %          | 30       |           |
|                                  |            |              | Acid Extractable Barium (Ba)     | 2024/10/12 | 0.60          |                               | %          | 30       |           |
|                                  |            |              | Acid Extractable Beryllium (Be)  | 2024/10/12 | 5.4           |                               | %          | 30       |           |
|                                  |            |              | Acid Extractable Boron (B)       | 2024/10/12 | 2.6           |                               | %          | 30       |           |
|                                  |            |              | Acid Extractable Cadmium (Cd)    | 2024/10/12 | NC            |                               | %          | 30       |           |
|                                  |            |              | Acid Extractable Chromium (Cr)   | 2024/10/12 | 2.3           |                               | %          | 30       |           |
|                                  |            |              | Acid Extractable Cobalt (Co)     | 2024/10/12 | 0.72          |                               | %          | 30       |           |
|                                  |            |              | Acid Extractable Copper (Cu)     | 2024/10/12 | 0.026         |                               | %          | 30       |           |
| Acid Extractable Lead (Pb)       | 2024/10/12 | 0.88         |                                  | %          | 30            |                               |            |          |           |
| Acid Extractable Molybdenum (Mo) | 2024/10/12 | NC           |                                  | %          | 30            |                               |            |          |           |



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type                  | Parameter                      | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|-------------|------|--------------------------|--------------------------------|---------------|-------|----------|-------|-----------|
| 9694750     | ABS  | Matrix Spike [AEZS77-01] | Acid Extractable Nickel (Ni)   | 2024/10/12    | 0.97  |          | %     | 30        |
|             |      |                          | Acid Extractable Selenium (Se) | 2024/10/12    | NC    |          | %     | 30        |
|             |      |                          | Acid Extractable Silver (Ag)   | 2024/10/12    | NC    |          | %     | 30        |
|             |      |                          | Acid Extractable Thallium (Tl) | 2024/10/12    | 13    |          | %     | 30        |
|             |      |                          | Acid Extractable Uranium (U)   | 2024/10/12    | 3.1   |          | %     | 30        |
|             |      |                          | Acid Extractable Vanadium (V)  | 2024/10/12    | 0.86  |          | %     | 30        |
|             |      |                          | Acid Extractable Zinc (Zn)     | 2024/10/12    | 2.4   |          | %     | 30        |
|             |      |                          | Acid Extractable Mercury (Hg)  | 2024/10/12    | NC    |          | %     | 30        |
| 9694750     | ABS  | Spiked Blank             | o-Terphenyl                    | 2024/10/11    |       | 78       | %     | 60 - 140  |
|             |      |                          | F2 (C10-C16 Hydrocarbons)      | 2024/10/11    |       | 82       | %     | 60 - 140  |
|             |      |                          | F3 (C16-C34 Hydrocarbons)      | 2024/10/11    |       | 81       | %     | 60 - 140  |
|             |      |                          | F4 (C34-C50 Hydrocarbons)      | 2024/10/11    |       | 76       | %     | 60 - 140  |
| 9694750     | ABS  | Method Blank             | o-Terphenyl                    | 2024/10/11    |       | 83       | %     | 60 - 140  |
|             |      |                          | F2 (C10-C16 Hydrocarbons)      | 2024/10/11    |       | 87       | %     | 80 - 120  |
|             |      |                          | F3 (C16-C34 Hydrocarbons)      | 2024/10/11    |       | 86       | %     | 80 - 120  |
|             |      |                          | F4 (C34-C50 Hydrocarbons)      | 2024/10/11    |       | 81       | %     | 80 - 120  |
| 9694750     | ABS  | RPD [AEZS77-01]          | o-Terphenyl                    | 2024/10/11    |       | 92       | %     | 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  |           |
| 9694750     | ABS  | RPD [AEZS77-01]          | F2 (C10-C16 Hydrocarbons)      | 2024/10/15    | NC    |          | %     | 30        |
|             |      |                          | F3 (C16-C34 Hydrocarbons)      | 2024/10/15    | NC    |          | %     | 30        |
|             |      |                          | F4 (C34-C50 Hydrocarbons)      | 2024/10/15    | NC    |          | %     | 30        |

N/A = Not Applicable

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

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

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

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

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

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

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

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

(1) The recovery was above the upper control limit. This may represent a high bias in some results for this specific analyte. For results that were not detected (ND), this potential bias has no impact.



Bureau Veritas Job #: C4V3527  
Report Date: 2024/10/15

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
Your P.O. #: OTT2947  
Sampler Initials: MS

### VALIDATION SIGNATURE PAGE

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

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Cristina Carriere, Senior Scientific Specialist

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



Confirmation of Sample Receipt

Bureau Veritas Job Number: C4V3527  
Job Received: 2024/10/04  
Final Report Due: 2024/10/11  
Disposal Date: 2024/11/03

| Invoice Information                                                                                                                                                                              | Report Information                                                                                                                                 | Project Information                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Attn: Accounts Payable<br>SLR Consulting (Canada) Ltd.<br>#200 – 887 Great Northern Way<br>Vancouver, BC, V5T 4T5<br>Email to:<br>accountspayableca@slrconsulting.com<br>adang@slrconsulting.com | Attn: Matt Williamson<br>SLR Consulting (Canada) Ltd.<br>201-100 Stone Rd. W.<br>Guelph, ON, N1G 5L3<br>Email to:<br>mwilliamson@slrconsulting.com | Quote #: C41044<br>PO/AFE#: OTT2947<br>Project #: OTT2947<br>Site Location: SUNCOR 4000 RIVERSIDE DRIVE<br>Site #: 35197<br>Sampled By: MS |

Analytical Summary

A: Due On 2024/10/11

| Lab ID               | Client Sample ID | Sampling Date/Time | Matrix | # Cont. | O.Reg 153 PAHs (Soil) | O.Reg 153 VOCs by HS & F1-F4 (Soil) | Acid Extractable Metals by ICPMS | Conductivity | Glycols in Soil by GC-FID | Hexavalent Chromium in Soil by IC | Hot Water Extractable Boron | Moisture | pH CaCl2 EXTRACT | Sieve, 75um | Set Number |
|----------------------|------------------|--------------------|--------|---------|-----------------------|-------------------------------------|----------------------------------|--------------|---------------------------|-----------------------------------|-----------------------------|----------|------------------|-------------|------------|
| COC# C#1013277-01-01 |                  |                    |        |         |                       |                                     |                                  |              |                           |                                   |                             |          |                  |             |            |
| AEZS76               | BH24-08_1-1.5M   | 2024/10/01 14:20   | SOIL   | 5       | A                     | A                                   | A                                | A            | A                         | A                                 | A                           | A        | A                | A           | 1          |
| AEZS77               | BH24-09_2-2.45M  | 2024/10/01 15:30   | SOIL   | 4       | A                     | A                                   | A                                | A            | A                         | A                                 | A                           | A        | A                |             | 2          |
| AEZS78               | BH24-01_1-1.5M   | 2024/10/02 10:00   | SOIL   | 4       | A                     | A                                   | A                                | A            | A                         | A                                 | A                           | A        | A                |             | 2          |
| AEZS79               | BH24-07_2-2.45M  | 2024/10/02 10:50   | SOIL   | 4       | A                     | A                                   | A                                | A            | A                         | A                                 | A                           | A        | A                |             | 2          |
| AEZS80               | BH24-06_1.5-2M   | 2024/10/02 13:20   | SOIL   | 4       | A                     | A                                   | A                                | A            | A                         | A                                 | A                           | A        | A                |             | 2          |
| AEZS81               | BH24-05_1-1.5M   | 2024/10/02 14:40   | SOIL   | 4       | A                     | A                                   | A                                | A            | A                         | A                                 | A                           | A        | A                |             | 2          |
| AEZS82               | BH24-02_2-2.4M   | 2024/10/03 09:40   | SOIL   | 4       | A                     | A                                   | A                                | A            |                           | A                                 | A                           | A        | A                |             | 3          |
| AEZS83               | BH24-04_0.5-1M   | 2024/10/03 11:30   | SOIL   | 4       | A                     | A                                   | A                                | A            |                           | A                                 | A                           | A        | A                |             | 3          |
| AEZS84               | BH24-03_0.5-1M   | 2024/10/03 12:40   | SOIL   | 4       | A                     | A                                   | A                                | A            |                           | A                                 | A                           | A        | A                |             | 3          |
| AEZS85               | BH24-02_0.5-1M   | 2024/10/03 10:10   | SOIL   | 1       |                       |                                     |                                  |              |                           |                                   |                             |          |                  | A           | 4          |



Confirmation of Sample Receipt

Bureau Veritas Job Number: C4V3527  
Job Received: 2024/10/04  
Final Report Due: 2024/10/11  
Disposal Date: 2024/11/03

A: Due On 2024/10/11

|                      |                  |                    |        |         | Sodium Adsorption Ratio (SAR) | Set Number |
|----------------------|------------------|--------------------|--------|---------|-------------------------------|------------|
| A: Due On 2024/10/11 |                  |                    |        |         |                               |            |
| Lab ID               | Client Sample ID | Sampling Date/Time | Matrix | # Cont. |                               |            |
| COC# C#1013277-01-01 |                  |                    |        |         |                               |            |
| AEZS76               | BH24-08_1-1.5M   | 2024/10/01 14:20   | SOIL   | 5       | A                             | 1          |
| AEZS77               | BH24-09_2-2.45M  | 2024/10/01 15:30   | SOIL   | 4       | A                             | 2          |
| AEZS78               | BH24-01_1-1.5M   | 2024/10/02 10:00   | SOIL   | 4       | A                             | 2          |
| AEZS79               | BH24-07_2-2.45M  | 2024/10/02 10:50   | SOIL   | 4       | A                             | 2          |
| AEZS80               | BH24-06_1.5-2M   | 2024/10/02 13:20   | SOIL   | 4       | A                             | 2          |
| AEZS81               | BH24-05_1-1.5M   | 2024/10/02 14:40   | SOIL   | 4       | A                             | 2          |
| AEZS82               | BH24-02_2-2.4M   | 2024/10/03 09:40   | SOIL   | 4       | A                             | 3          |
| AEZS83               | BH24-04_0.5-1M   | 2024/10/03 11:30   | SOIL   | 4       | A                             | 3          |
| AEZS84               | BH24-03_0.5-1M   | 2024/10/03 12:40   | SOIL   | 4       | A                             | 3          |
| AEZS85               | BH24-02_0.5-1M   | 2024/10/03 10:10   | SOIL   | 1       |                               | 4          |

Include Criteria on CofA: No

Sample Inspection Observations & Comments

# of Samples Received: 10  
Details: Sample(s) received in good condition.  
Average Temperature: Package 1: 7.0 °C

Additional Notes

- Unless special storage arrangements are made, all samples will be disposed 30 days after receipt. Additional fees may be applied for extended storage.
- Additional fees may be applied for the disposal of hazardous samples.

\*\*The contents of this report are subject to change. For up to date information, please refer to the Customer Portal.\*\*



## Confirmation of Sample Receipt

Bureau Veritas Job Number: C4V3527

Job Received: 2024/10/04

Final Report Due: 2024/10/11

Disposal Date: 2024/11/03

### Sample Set Listing

| Set 1 (1 Sample) | Set 2 (5 Samples)                                                                        | Set 3 (3 Samples)                                  | Set 4 (1 Sample) |
|------------------|------------------------------------------------------------------------------------------|----------------------------------------------------|------------------|
| BH24-08_1-1.5M   | BH24-09_2-2.45M<br>BH24-01_1-1.5M<br>BH24-07_2-2.45M<br>BH24-06_1.5-2M<br>BH24-05_1-1.5M | BH24-02_2-2.4M<br>BH24-04_0.5-1M<br>BH24-03_0.5-1M | BH24-02_0.5-1M   |

### Parameter Summary

| Package/Test                        | Parameter                       | RDL   | Unit | Set 1 | Set 2 | Set 3 | Set 4 |
|-------------------------------------|---------------------------------|-------|------|-------|-------|-------|-------|
| O.Reg 153 PAHs (Soil)               | Methylnaphthalene, 2-(1-)       | 0.014 | ug/g | X     | X     | X     |       |
|                                     | Acenaphthene                    | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Acenaphthylene                  | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Anthracene                      | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Benzo(a)anthracene              | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Benzo(a)pyrene                  | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Benzo(b,j)fluoranthene          | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Benzo(g,h,i)perylene            | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Benzo(k)fluoranthene            | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Chrysene                        | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Dibenzo(a,h)anthracene          | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Fluoranthene                    | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Fluorene                        | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Indeno(1,2,3-cd)pyrene          | 0.005 | ug/g | X     | X     | X     |       |
|                                     | 1-Methylnaphthalene             | 0.005 | ug/g | X     | X     | X     |       |
|                                     | 2-Methylnaphthalene             | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Naphthalene                     | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Phenanthrene                    | 0.005 | ug/g | X     | X     | X     |       |
|                                     | Pyrene                          | 0.005 | ug/g | X     | X     | X     |       |
| O.Reg 153 VOCs by HS & F1-F4 (Soil) | 1,3-Dichloropropene (cis+trans) | 0.05  | ug/g | X     | X     | X     |       |
|                                     | F2 (C10-C16 Hydrocarbons)       | 7     | ug/g | X     | X     | X     |       |
|                                     | F3 (C16-C34 Hydrocarbons)       | 50    | ug/g | X     | X     | X     |       |
|                                     | F4 (C34-C50 Hydrocarbons)       | 50    | ug/g | X     | X     | X     |       |
|                                     | Reached Baseline at C50         | N/A   | ug/g | X     | X     | X     |       |
|                                     | Acetone (2-Propanone)           | 0.49  | ug/g | X     | X     | X     |       |
|                                     | Benzene                         | 0.006 | ug/g | X     | X     | X     |       |
|                                     | Bromodichloromethane            | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Bromoform                       | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Bromomethane                    | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Carbon Tetrachloride            | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Chlorobenzene                   | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Chloroform                      | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Dibromochloromethane            | 0.04  | ug/g | X     | X     | X     |       |



# Confirmation of Sample Receipt

Bureau Veritas Job Number: C4V3527  
Job Received: 2024/10/04  
Final Report Due: 2024/10/11  
Disposal Date: 2024/11/03

## Parameter Summary

| Package/Test                        | Parameter                           | RDL   | Unit | Set 1 | Set 2 | Set 3 | Set 4 |
|-------------------------------------|-------------------------------------|-------|------|-------|-------|-------|-------|
| O.Reg 153 VOCs by HS & F1-F4 (Soil) | 1,2-Dichlorobenzene                 | 0.04  | ug/g | X     | X     | X     |       |
|                                     | 1,3-Dichlorobenzene                 | 0.04  | ug/g | X     | X     | X     |       |
|                                     | 1,4-Dichlorobenzene                 | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Dichlorodifluoromethane (FREON 12)  | 0.04  | ug/g | X     | X     | X     |       |
|                                     | 1,1-Dichloroethane                  | 0.04  | ug/g | X     | X     | X     |       |
|                                     | 1,2-Dichloroethane                  | 0.049 | ug/g | X     | X     | X     |       |
|                                     | 1,1-Dichloroethylene                | 0.04  | ug/g | X     | X     | X     |       |
|                                     | cis-1,2-Dichloroethylene            | 0.04  | ug/g | X     | X     | X     |       |
|                                     | trans-1,2-Dichloroethylene          | 0.04  | ug/g | X     | X     | X     |       |
|                                     | 1,2-Dichloropropane                 | 0.04  | ug/g | X     | X     | X     |       |
|                                     | cis-1,3-Dichloropropene             | 0.03  | ug/g | X     | X     | X     |       |
|                                     | trans-1,3-Dichloropropene           | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Ethylbenzene                        | 0.01  | ug/g | X     | X     | X     |       |
|                                     | Ethylene Dibromide                  | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Hexane                              | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Methylene Chloride(Dichloromethane) | 0.049 | ug/g | X     | X     | X     |       |
|                                     | Methyl Ethyl Ketone (2-Butanone)    | 0.4   | ug/g | X     | X     | X     |       |
|                                     | Methyl Isobutyl Ketone              | 0.4   | ug/g | X     | X     | X     |       |
|                                     | Methyl t-butyl ether (MTBE)         | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Styrene                             | 0.04  | ug/g | X     | X     | X     |       |
|                                     | 1,1,1,2-Tetrachloroethane           | 0.04  | ug/g | X     | X     | X     |       |
|                                     | 1,1,2,2-Tetrachloroethane           | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Tetrachloroethylene                 | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Toluene                             | 0.02  | ug/g | X     | X     | X     |       |
|                                     | 1,1,1-Trichloroethane               | 0.04  | ug/g | X     | X     | X     |       |
|                                     | 1,1,2-Trichloroethane               | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Trichloroethylene                   | 0.01  | ug/g | X     | X     | X     |       |
|                                     | Trichlorofluoromethane (FREON 11)   | 0.04  | ug/g | X     | X     | X     |       |
|                                     | Vinyl Chloride                      | 0.019 | ug/g | X     | X     | X     |       |
|                                     | p+m-Xylene                          | 0.02  | ug/g | X     | X     | X     |       |
|                                     | o-Xylene                            | 0.02  | ug/g | X     | X     | X     |       |
|                                     | Total Xylenes                       | 0.02  | ug/g | X     | X     | X     |       |
|                                     | F1 (C6-C10)                         | 10    | ug/g | X     | X     | X     |       |
|                                     | F1 (C6-C10) - BTEX                  | 10    | ug/g | X     | X     | X     |       |
|                                     | VOCPLUS Required?                   | N/A   | ug/g | X     | X     | X     |       |
| Acid Extractable Metals by ICPMS    | Acid Extractable Antimony (Sb)      | 0.2   | ug/g | X     | X     | X     |       |
|                                     | Acid Extractable Arsenic (As)       | 1     | ug/g | X     | X     | X     |       |
|                                     | Acid Extractable Barium (Ba)        | 0.5   | ug/g | X     | X     | X     |       |
|                                     | Acid Extractable Beryllium (Be)     | 0.2   | ug/g | X     | X     | X     |       |



Confirmation of Sample Receipt

Bureau Veritas Job Number: C4V3527  
Job Received: 2024/10/04  
Final Report Due: 2024/10/11  
Disposal Date: 2024/11/03

Parameter Summary

| Package/Test                      | Parameter                        | RDL   | Unit  | Set 1 | Set 2 | Set 3 | Set 4 |
|-----------------------------------|----------------------------------|-------|-------|-------|-------|-------|-------|
| Acid Extractable Metals by ICPMS  | Acid Extractable Boron (B)       | 5     | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Cadmium (Cd)    | 0.1   | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Chromium (Cr)   | 1     | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Cobalt (Co)     | 0.1   | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Copper (Cu)     | 0.5   | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Lead (Pb)       | 1     | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Molybdenum (Mo) | 0.5   | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Nickel (Ni)     | 0.5   | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Selenium (Se)   | 0.5   | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Silver (Ag)     | 0.2   | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Thallium (Tl)   | 0.05  | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Uranium (U)     | 0.05  | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Vanadium (V)    | 5     | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Zinc (Zn)       | 5     | ug/g  | X     | X     | X     |       |
|                                   | Acid Extractable Mercury (Hg)    | 0.05  | ug/g  | X     | X     | X     |       |
| Conductivity                      | Conductivity                     | 0.002 | mS/cm | X     | X     | X     |       |
| Glycols in Soil by GC-FID         | Propylene Glycol                 | 10    | mg/kg | X     | X     |       |       |
|                                   | Ethylene Glycol                  | 10    | mg/kg | X     | X     |       |       |
|                                   | Diethylene Glycol                | 10    | mg/kg | X     | X     |       |       |
|                                   | Total Glycol                     | 10    | mg/kg | X     | X     |       |       |
| Hexavalent Chromium in Soil by IC | Chromium (VI)                    | 0.18  | ug/g  | X     | X     | X     |       |
| Hot Water Extractable Boron       | Hot Water Ext. Boron (B)         | 0.05  | ug/g  | X     | X     | X     |       |
| Moisture                          | Moisture                         | 1     | %     | X     | X     | X     |       |
| pH CaCl2 EXTRACT                  | Available (CaCl2) pH             | N/A   | pH    | X     | X     | X     |       |
| Sieve, 75um                       | Grain Size                       | N/A   | %     | X     |       |       | X     |
|                                   | Sieve - #200 (<0.075mm)          | 1     | %     | X     |       |       | X     |
|                                   | Sieve - #200 (>0.075mm)          | 1     | %     | X     |       |       | X     |
| Sodium Adsorption Ratio (SAR)     | Sodium Adsorption Ratio          | N/A   | N/A   | X     | X     | X     |       |

\*RDLs are subject to change based on interferences present at the time of analysis.



## Confirmation of Sample Receipt

Bureau Veritas Job Number: C4V3527

Job Received: 2024/10/04

Final Report Due: 2024/10/11

Disposal Date: 2024/11/03

### Cost Estimate

| #                                   | Description                             | Matrix | Quote # | Rate        | Test Total |
|-------------------------------------|-----------------------------------------|--------|---------|-------------|------------|
| 9                                   | O.Reg 153 PAHs (Soil)                   | SOIL   | C41044  | \$ 50.09    | \$ 450.81  |
| 9                                   | O.Reg 153 VOCs by HS & F1-F4 (Soil)     | SOIL   | C41044  | \$ 94.52    | \$ 850.68  |
| 9                                   | Acid Extractable Metals by ICPMS        | SOIL   | C41044  | \$ 27.83    | \$ 250.47  |
| 9                                   | Conductivity                            | SOIL   | C41044  | \$ 6.96     | \$ 62.64   |
| 6                                   | Glycols in Soil by GC-FID               | SOIL   | C41044  | \$ 83.48    | \$ 500.88  |
| 9                                   | Hexavalent Chromium in Soil by IC       | SOIL   | C41044  | \$ 17.53    | \$ 157.77  |
| 9                                   | Hot Water Extractable Boron             | SOIL   | C41044  | \$ 15.86    | \$ 142.74  |
| 9                                   | Moisture                                | SOIL   | C41044  | \$ 2.00     | \$ 18.00   |
| 10                                  | Non hazardous disposal/container supply | SOIL   | C41044  | \$ 8.50     | \$ 85.00   |
| 9                                   | pH CaCl2 EXTRACT                        | SOIL   | C41044  | \$ 6.96     | \$ 62.64   |
| 9                                   | SAR - ICP Metals                        | SOIL   | C41044  | \$ 0.00     | \$ 0.00    |
| 2                                   | Sieve, 75um                             | SOIL   | C41044  | \$ 13.63    | \$ 27.26   |
| 9                                   | Sodium Adsorption Ratio (SAR)           | SOIL   | C41044  | \$ 20.12    | \$ 181.08  |
| Total (excluding applicable taxes): |                                         |        |         | \$ 2,789.97 |            |

C4V3527  
2024/10/04 09:00



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

C

Page 1 of 1



NONT-2024-10-1472

Lot Order #:

1013277

Project Manager:

Keshani Vih



C#1013277-01-01

INVOICE TO:  
Company Name: #39437 SLR Consulting (Canada) Ltd.  
Attention: Accounts Payable  
Address: #200 - 887 Great Northern Way  
Vancouver BC V5T 4T5  
Tel: (604) 738-2500 Fax: (604) 738-2542  
Email: accountspayableca@slrconsulting.com; adang@slrcons

REPORT TO:  
Company Name: SLR Consulting (Canada) Ltd.  
Attention: Matt Williamson  
Address: 100 Stone Road West, Suite 201  
Guelph, ON N1G 5L3  
Tel: 226-706-8080 Fax:  
Email: mwilliamson@slrconsulting.com

PROJECT INFORMATION:  
Quotation #: C41044  
P.O. #: OT12947  
Project: OT12947  
Project Name: Suncor 4000 Riverside Drive  
Site #: 35197  
Sampled By: MS/KJ

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

| Regulation 153 (2011)                                                                                                                                                                                                                                                                                                                                                          | Other Regulations                                                                                                                                                                                                                                                                                                  | Special Instructions |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Medium/Fine<br><input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input checked="" type="checkbox"/> Coarse<br><input checked="" type="checkbox"/> Table 3 <input type="checkbox"/> Agri/Other <input type="checkbox"/> For RSC<br><input type="checkbox"/> Table | <input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw<br><input type="checkbox"/> Reg 558 <input type="checkbox"/> Storm Sewer Bylaw<br><input type="checkbox"/> MISA Municipality<br><input type="checkbox"/> PWQO <input type="checkbox"/> Reg 406 Table<br><input type="checkbox"/> Other |                      |

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

| Sample Barcode Label | Sample (Location) Identification | Date Sampled | Time Sampled | Matrix |
|----------------------|----------------------------------|--------------|--------------|--------|
| 1 N/A                | BH24-08-1-1.5m                   | 2024/10/01   | 14:20        | Soil   |
| 2                    | BH24-09-2-2.45m                  | 2024/10/01   | 15:30        |        |
| 3                    | BH24-01-1-1.5m                   | 2024/10/02   | 10:00        |        |
| 4                    | BH24-07-2-2.45m                  | 2024/10/02   | 10:50        |        |
| 5                    | BH24-06-1.5-2m                   | 2024/10/02   | 13:20        |        |
| 6                    | BH24-05-1-1.5m                   | 2024/10/02   | 14:40        |        |
| 7                    | BH24-02-2-2.45m                  | 2024/10/03   | 9:40         |        |
| 8                    | BH24-04-0.5-1m                   | 2024/10/03   | 11:30        |        |
| 9                    | BH24-03-0.5-1m                   | 2024/10/03   | 12:40        |        |
| 10                   | BH24-02-0.5-1m                   | 2024/10/03   | 10:10        |        |

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

| VOCs | BTEX | FI-F4 | PAHs | Metals/Inorganics (exclude CN-) | Glycols | Grain Size (75um) |
|------|------|-------|------|---------------------------------|---------|-------------------|
| X    | X    | X     | X    | X                               | X       | X                 |
|      |      |       |      |                                 |         |                   |
|      |      |       |      |                                 |         |                   |
|      |      |       |      |                                 |         |                   |
|      |      |       |      |                                 |         |                   |
|      |      |       |      |                                 |         |                   |
|      |      |       |      |                                 |         |                   |
|      |      |       |      |                                 |         |                   |
|      |      |       |      |                                 |         |                   |
|      |      |       |      |                                 |         |                   |

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

Regular (Standard) TAT:  
(will be applied if Rush TAT is not specified):  
Standard TAT = 5-7 Working days for most tests.

Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)

Date Required: Time Required:

Rush Confirmation Number: (call lab for #)

# of Bottles Comments

|   |                    |
|---|--------------------|
| 5 |                    |
| 4 |                    |
| 4 |                    |
| 4 |                    |
| 4 |                    |
| 4 |                    |
| 4 |                    |
| 4 |                    |
| 4 |                    |
| 1 | Filtered in Ottawa |

RELINQUISHED BY: (Signature/Print) Date: (YY/MM/DD) Time RECEIVED BY: (Signature/Print) Date: (YY/MM/DD) Time  
Melanie St Cyr 24/10/03 18:00 Pedro da Silva 2024/10/04 09:00  
Sara Sugar 24/10/03 08:40

# Jars used and not submitted

Laboratory Use Only

Time Sensitive Temperature (°C) on Receipt  
7/8/16 (ice)

Custody Seal Present Intact Yes No

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

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

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

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

White: Bureau Veritas Yellow: Client

Custody Seal Present Intact  
Holding Media Yes No



**Attention: Matt Williamson**

SLR Consulting (Canada) Ltd.  
Suncor  
#200 – 887 Great Northern Way  
Vancouver, BC  
CANADA V5T 4T5

Your P.O. #: OTT2947  
Your Project #: OTT2947  
Site#: 35197  
Site Location: SUNCOR 400 RIVERSIDE DRIVE, OTTAWA  
Your C.O.C. #: C#1013277-01-01

**Report Date: 2024/10/21**  
Report #: R8370203  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C4W1825**

**Received: 2024/10/11, 13:52**

Sample Matrix: Soil  
# Samples Received: 1

| Analyses                                     | Date     |            | Date Analyzed | Laboratory Method | Analytical Method    |
|----------------------------------------------|----------|------------|---------------|-------------------|----------------------|
|                                              | Quantity | Extracted  |               |                   |                      |
| Cyanide (WAD) in Leachates (1)               | 1        | N/A        | 2024/10/18    | CAM SOP-00457     | OMOE 3015 m          |
| Fluoride by ISE in Leachates (1)             | 1        | 2024/10/18 | 2024/10/18    | CAM SOP-00449     | SM 24 4500-F- C m    |
| Total Metals in TCLP Leachate by ICPMS (1)   | 1        | 2024/10/17 | 2024/10/18    | CAM SOP-00447     | EPA 6020B m          |
| Ignitability of a Sample (1)                 | 1        | 2024/10/18 | 2024/10/18    | CAM SOP-00432     | EPA 1030 Rev. 1 m    |
| Nitrate& Nitrite as Nitrogen in Leachate (1) | 1        | N/A        | 2024/10/18    | CAM SOP-00440     | SM 24 4500-NO3I/NO2B |
| TCLP - % Solids (1)                          | 1        | 2024/10/16 | 2024/10/17    | CAM SOP-00401     | EPA 1311 Update I m  |
| TCLP - Extraction Fluid (1)                  | 1        | N/A        | 2024/10/17    | CAM SOP-00401     | EPA 1311 Update I m  |
| TCLP - Initial and final pH (1)              | 1        | N/A        | 2024/10/17    | CAM SOP-00401     | EPA 1311 Update I m  |
| TCLP Zero Headspace Extraction (1)           | 1        | 2024/10/17 | 2024/10/18    | CAM SOP-00430     | EPA 1311 m           |
| VOCs in ZHE Leachates (1)                    | 1        | 2024/10/18 | 2024/10/18    | CAM SOP-00228     | EPA 8260D            |

**Remarks:**

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

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

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

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

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

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

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

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

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



**Attention: Matt Williamson**

SLR Consulting (Canada) Ltd.  
Suncor  
#200 – 887 Great Northern Way  
Vancouver, BC  
CANADA V5T 4T5

Your P.O. #: OTT2947  
Your Project #: OTT2947  
Site#: 35197  
Site Location: SUNCOR 400 RIVERSIDE DRIVE, OTTAWA  
Your C.O.C. #: C#1013277-01-01

**Report Date: 2024/10/21**  
Report #: R8370203  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C4W1825**

**Received: 2024/10/11, 13:52**

Encryption Key



Bureau Veritas

21 Oct 2024 15:35:59

Please direct all questions regarding this Certificate of Analysis to:

Keshani Vijh, Sr. Project Manager  
Email: keshani.vijh@bureauveritas.com  
Phone# (613) 274-0573

=====

This report has been generated and distributed using a secure automated process.

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



Bureau Veritas Job #: C4W1825  
Report Date: 2024/10/21

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 400 RIVERSIDE DRIVE, OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### RESULTS OF ANALYSES OF SOIL

|                                                                                                                                                                                          |              |             |                        |            |            |                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|------------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>                                                                                                                                                                 |              |             | AFSO24                 |            |            |                 |
| <b>Sampling Date</b>                                                                                                                                                                     |              |             | 2024/10/10<br>14:10    |            |            |                 |
| <b>COC Number</b>                                                                                                                                                                        |              |             | C#1013277-01-01        |            |            |                 |
|                                                                                                                                                                                          | <b>UNITS</b> | <b>347</b>  | <b>TCLP-10-10-2024</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>Charge/Prep Analysis</b>                                                                                                                                                              |              |             |                        |            |            |                 |
| Amount Extracted (Wet Weight) (g)                                                                                                                                                        | N/A          | -           | 25                     | N/A        | N/A        | 9707512         |
| <b>Inorganics</b>                                                                                                                                                                        |              |             |                        |            |            |                 |
| Final pH                                                                                                                                                                                 | pH           | -           | 5.75                   |            |            | 9706583         |
| Leachable Fluoride (F-)                                                                                                                                                                  | mg/L         | <b>150</b>  | <0.10                  | 0.10       | 0.0060     | 9709092         |
| Initial pH                                                                                                                                                                               | pH           | -           | 9.71                   |            |            | 9706583         |
| TCLP - % Solids                                                                                                                                                                          | %            | -           | 100                    | 0.2        | N/A        | 9704399         |
| TCLP Extraction Fluid                                                                                                                                                                    | N/A          | -           | FLUID 1                |            |            | 9706581         |
| Leachable WAD Cyanide (Free)                                                                                                                                                             | mg/L         | <b>20</b>   | <0.010                 | 0.010      | 0.0040     | 9709095         |
| Leachable Nitrite (N)                                                                                                                                                                    | mg/L         | -           | <0.10                  | 0.10       | 0.020      | 9709096         |
| Leachable Nitrate (N)                                                                                                                                                                    | mg/L         | -           | <1.0                   | 1.0        | 0.10       | 9709096         |
| Leachable Nitrate + Nitrite (N)                                                                                                                                                          | mg/L         | <b>1000</b> | <1.0                   | 1.0        | 0.10       | 9709096         |
| RDL = Reportable Detection Limit<br>QC Batch = Quality Control Batch<br>347: Ontario Reg. 347/90 Schedule 4 Leachate Quality Criteria (as amended by Reg 558/00)<br>N/A = Not Applicable |              |             |                        |            |            |                 |



Bureau Veritas Job #: C4W1825  
Report Date: 2024/10/21

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
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Your P.O. #: OTT2947  
Sampler Initials: MS

### ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

|                                                                                          |       |     |                     |       |        |          |
|------------------------------------------------------------------------------------------|-------|-----|---------------------|-------|--------|----------|
| Bureau Veritas ID                                                                        |       |     | AFSO24              |       |        |          |
| Sampling Date                                                                            |       |     | 2024/10/10<br>14:10 |       |        |          |
| COC Number                                                                               |       |     | C#1013277-01-01     |       |        |          |
|                                                                                          | UNITS | 347 | TCLP-10-10-2024     | RDL   | MDL    | QC Batch |
| <b>Metals</b>                                                                            |       |     |                     |       |        |          |
| Leachable Arsenic (As)                                                                   | mg/L  | 2.5 | <0.2                | 0.2   | 0.01   | 9708140  |
| Leachable Barium (Ba)                                                                    | mg/L  | 100 | 0.3                 | 0.2   | 0.01   | 9708140  |
| Leachable Boron (B)                                                                      | mg/L  | 500 | <0.1                | 0.1   | 0.02   | 9708140  |
| Leachable Cadmium (Cd)                                                                   | mg/L  | 0.5 | <0.05               | 0.05  | 0.0007 | 9708140  |
| Leachable Chromium (Cr)                                                                  | mg/L  | 5   | <0.1                | 0.1   | 0.01   | 9708140  |
| Leachable Lead (Pb)                                                                      | mg/L  | 5   | <0.1                | 0.1   | 0.001  | 9708140  |
| Leachable Mercury (Hg)                                                                   | mg/L  | 0.1 | <0.001              | 0.001 | 0.0005 | 9708140  |
| Leachable Selenium (Se)                                                                  | mg/L  | 1   | <0.1                | 0.1   | 0.01   | 9708140  |
| Leachable Silver (Ag)                                                                    | mg/L  | 5   | <0.01               | 0.01  | 0.001  | 9708140  |
| Leachable Uranium (U)                                                                    | mg/L  | 10  | <0.01               | 0.01  | 0.001  | 9708140  |
| RDL = Reportable Detection Limit                                                         |       |     |                     |       |        |          |
| QC Batch = Quality Control Batch                                                         |       |     |                     |       |        |          |
| 347: Ontario Reg. 347/90 Schedule 4 Leachate Quality Criteria (as amended by Reg 558/00) |       |     |                     |       |        |          |



Bureau Veritas Job #: C4W1825  
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### VOLATILE ORGANICS BY GC/MS (SOIL)

|                                                                                          |              |            |                        |            |            |                 |
|------------------------------------------------------------------------------------------|--------------|------------|------------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>                                                                 |              |            | AFSO24                 |            |            |                 |
| <b>Sampling Date</b>                                                                     |              |            | 2024/10/10<br>14:10    |            |            |                 |
| <b>COC Number</b>                                                                        |              |            | C#1013277-01-01        |            |            |                 |
|                                                                                          | <b>UNITS</b> | <b>347</b> | <b>TCLP-10-10-2024</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>Volatile Organics</b>                                                                 |              |            |                        |            |            |                 |
| Leachable Benzene                                                                        | mg/L         | <b>0.5</b> | <0.020                 | 0.020      | 0.0020     | 9709538         |
| Leachable Carbon Tetrachloride                                                           | mg/L         | <b>0.5</b> | <0.020                 | 0.020      | 0.0020     | 9709538         |
| Leachable Chlorobenzene                                                                  | mg/L         | <b>8</b>   | <0.020                 | 0.020      | 0.0020     | 9709538         |
| Leachable Chloroform                                                                     | mg/L         | <b>10</b>  | <0.020                 | 0.020      | 0.0020     | 9709538         |
| Leachable 1,2-Dichlorobenzene                                                            | mg/L         | <b>20</b>  | <0.050                 | 0.050      | 0.0040     | 9709538         |
| Leachable 1,4-Dichlorobenzene                                                            | mg/L         | <b>0.5</b> | <0.050                 | 0.050      | 0.0040     | 9709538         |
| Leachable 1,2-Dichloroethane                                                             | mg/L         | <b>0.5</b> | <0.050                 | 0.050      | 0.0040     | 9709538         |
| Leachable 1,1-Dichloroethylene                                                           | mg/L         | <b>1.4</b> | <0.020                 | 0.020      | 0.0020     | 9709538         |
| Leachable Methylene Chloride(Dichloromethane)                                            | mg/L         | <b>5</b>   | <0.20                  | 0.20       | 0.010      | 9709538         |
| Leachable Methyl Ethyl Ketone (2-Butanone)                                               | mg/L         | <b>200</b> | <1.0                   | 1.0        | 1.0        | 9709538         |
| Leachable Tetrachloroethylene                                                            | mg/L         | <b>3</b>   | <0.020                 | 0.020      | 0.0020     | 9709538         |
| Leachable Trichloroethylene                                                              | mg/L         | <b>5</b>   | <0.020                 | 0.020      | 0.0020     | 9709538         |
| Leachable Vinyl Chloride                                                                 | mg/L         | <b>0.2</b> | <0.020                 | 0.020      | 0.0040     | 9709538         |
| <b>Surrogate Recovery (%)</b>                                                            |              |            |                        |            |            |                 |
| Leachable 4-Bromofluorobenzene                                                           | %            | -          | 104                    |            |            | 9709538         |
| Leachable D4-1,2-Dichloroethane                                                          | %            | -          | 97                     |            |            | 9709538         |
| Leachable D8-Toluene                                                                     | %            | -          | 93                     |            |            | 9709538         |
| RDL = Reportable Detection Limit                                                         |              |            |                        |            |            |                 |
| QC Batch = Quality Control Batch                                                         |              |            |                        |            |            |                 |
| 347: Ontario Reg. 347/90 Schedule 4 Leachate Quality Criteria (as amended by Reg 558/00) |              |            |                        |            |            |                 |



Bureau Veritas Job #: C4W1825  
Report Date: 2024/10/21

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 400 RIVERSIDE DRIVE, OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

**MISCELLANEOUS (SOIL)**

|                                  |              |                        |            |                 |
|----------------------------------|--------------|------------------------|------------|-----------------|
| <b>Bureau Veritas ID</b>         |              | AFSO24                 |            |                 |
| <b>Sampling Date</b>             |              | 2024/10/10<br>14:10    |            |                 |
| <b>COC Number</b>                |              | C#1013277-01-01        |            |                 |
|                                  | <b>UNITS</b> | <b>TCLP-10-10-2024</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>Inorganics</b>                |              |                        |            |                 |
| Ignitability                     | N/A          | NF/NI                  |            | 9710147         |
| QC Batch = Quality Control Batch |              |                        |            |                 |



Bureau Veritas Job #: C4W1825  
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Site Location: SUNCOR 400 RIVERSIDE DRIVE, OTTAWA  
Your P.O. #: OTT2947  
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### GENERAL COMMENTS

Sample AFSO24 [TCLP-10-10-2024] : NF/NI=Non Flammable and Non Ignitable

**Results relate only to the items tested.**



Bureau Veritas Job #: C4W1825  
Report Date: 2024/10/21

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 400 RIVERSIDE DRIVE, OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT

| QA/QC<br>Batch | Init | QC Type                  | Parameter               | Date Analyzed | Value  | Recovery | UNITS | QC Limits |
|----------------|------|--------------------------|-------------------------|---------------|--------|----------|-------|-----------|
| 9708140        | PBA  | Matrix Spike [AFSO24-02] | Leachable Arsenic (As)  | 2024/10/18    |        | 100      | %     | 80 - 120  |
|                |      |                          | Leachable Barium (Ba)   | 2024/10/18    |        | 94       | %     | 80 - 120  |
|                |      |                          | Leachable Boron (B)     | 2024/10/18    |        | 93       | %     | 80 - 120  |
|                |      |                          | Leachable Cadmium (Cd)  | 2024/10/18    |        | 98       | %     | 80 - 120  |
|                |      |                          | Leachable Chromium (Cr) | 2024/10/18    |        | 100      | %     | 80 - 120  |
|                |      |                          | Leachable Lead (Pb)     | 2024/10/18    |        | 93       | %     | 80 - 120  |
|                |      |                          | Leachable Mercury (Hg)  | 2024/10/18    |        | 95       | %     | 80 - 120  |
|                |      |                          | Leachable Selenium (Se) | 2024/10/18    |        | 98       | %     | 80 - 120  |
|                |      |                          | Leachable Silver (Ag)   | 2024/10/18    |        | 96       | %     | 80 - 120  |
|                |      |                          | Leachable Uranium (U)   | 2024/10/18    |        | 96       | %     | 80 - 120  |
| 9708140        | PBA  | Leachate Blank           | Leachable Arsenic (As)  | 2024/10/18    | <0.2   |          | mg/L  |           |
|                |      |                          | Leachable Barium (Ba)   | 2024/10/18    | <0.2   |          | mg/L  |           |
|                |      |                          | Leachable Boron (B)     | 2024/10/18    | <0.1   |          | mg/L  |           |
|                |      |                          | Leachable Cadmium (Cd)  | 2024/10/18    | <0.05  |          | mg/L  |           |
|                |      |                          | Leachable Chromium (Cr) | 2024/10/18    | <0.1   |          | mg/L  |           |
|                |      |                          | Leachable Lead (Pb)     | 2024/10/18    | <0.1   |          | mg/L  |           |
|                |      |                          | Leachable Mercury (Hg)  | 2024/10/18    | <0.001 |          | mg/L  |           |
|                |      |                          | Leachable Selenium (Se) | 2024/10/18    | <0.1   |          | mg/L  |           |
|                |      |                          | Leachable Silver (Ag)   | 2024/10/18    | <0.01  |          | mg/L  |           |
|                |      |                          | Leachable Uranium (U)   | 2024/10/18    | <0.01  |          | mg/L  |           |
| 9708140        | PBA  | RPD                      | Leachable Arsenic (As)  | 2024/10/18    | NC     |          | %     | 35        |
|                |      |                          | Leachable Barium (Ba)   | 2024/10/18    | NC     |          | %     | 35        |
|                |      |                          | Leachable Boron (B)     | 2024/10/18    | NC     |          | %     | 35        |
|                |      |                          | Leachable Cadmium (Cd)  | 2024/10/18    | NC     |          | %     | 35        |
|                |      |                          | Leachable Chromium (Cr) | 2024/10/18    | NC     |          | %     | 35        |
|                |      |                          | Leachable Lead (Pb)     | 2024/10/18    | NC     |          | %     | 35        |
|                |      |                          | Leachable Mercury (Hg)  | 2024/10/18    | NC     |          | %     | 35        |
|                |      |                          | Leachable Selenium (Se) | 2024/10/18    | NC     |          | %     | 35        |
|                |      |                          | Leachable Silver (Ag)   | 2024/10/18    | NC     |          | %     | 35        |
|                |      |                          | Leachable Uranium (U)   | 2024/10/18    | NC     |          | %     | 35        |
| 9708140        | PBA  | Spiked Blank             | Leachable Arsenic (As)  | 2024/10/18    |        | 101      | %     | 80 - 120  |
|                |      |                          | Leachable Barium (Ba)   | 2024/10/18    |        | 96       | %     | 80 - 120  |
|                |      |                          | Leachable Boron (B)     | 2024/10/18    |        | 92       | %     | 80 - 120  |
|                |      |                          | Leachable Cadmium (Cd)  | 2024/10/18    |        | 98       | %     | 80 - 120  |
|                |      |                          | Leachable Chromium (Cr) | 2024/10/18    |        | 101      | %     | 80 - 120  |
|                |      |                          | Leachable Lead (Pb)     | 2024/10/18    |        | 96       | %     | 80 - 120  |
|                |      |                          | Leachable Mercury (Hg)  | 2024/10/18    |        | 98       | %     | 80 - 120  |
|                |      |                          | Leachable Selenium (Se) | 2024/10/18    |        | 100      | %     | 80 - 120  |
|                |      |                          | Leachable Silver (Ag)   | 2024/10/18    |        | 97       | %     | 80 - 120  |
|                |      |                          | Leachable Uranium (U)   | 2024/10/18    |        | 96       | %     | 80 - 120  |
| 9708140        | PBA  | Method Blank             | Leachable Arsenic (As)  | 2024/10/18    | <0.2   |          | mg/L  |           |
|                |      |                          | Leachable Barium (Ba)   | 2024/10/18    | <0.2   |          | mg/L  |           |
|                |      |                          | Leachable Boron (B)     | 2024/10/18    | <0.1   |          | mg/L  |           |
|                |      |                          | Leachable Cadmium (Cd)  | 2024/10/18    | <0.05  |          | mg/L  |           |
|                |      |                          | Leachable Chromium (Cr) | 2024/10/18    | <0.1   |          | mg/L  |           |
|                |      |                          | Leachable Lead (Pb)     | 2024/10/18    | <0.1   |          | mg/L  |           |
|                |      |                          | Leachable Mercury (Hg)  | 2024/10/18    | <0.001 |          | mg/L  |           |
|                |      |                          | Leachable Selenium (Se) | 2024/10/18    | <0.1   |          | mg/L  |           |
|                |      |                          | Leachable Silver (Ag)   | 2024/10/18    | <0.01  |          | mg/L  |           |
|                |      |                          | Leachable Uranium (U)   | 2024/10/18    | <0.01  |          | mg/L  |           |
| 9708140        | PBA  | RPD [AFSO24-02]          | Leachable Arsenic (As)  | 2024/10/18    | NC     |          | %     | 35        |
|                |      |                          | Leachable Barium (Ba)   | 2024/10/18    | 3.4    |          | %     | 35        |



Bureau Veritas Job #: C4W1825  
Report Date: 2024/10/21

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 400 RIVERSIDE DRIVE, OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type                  | Parameter                                   | Date Analyzed | Value   | Recovery | UNITS | QC Limits |
|-------------|------|--------------------------|---------------------------------------------|---------------|---------|----------|-------|-----------|
|             |      |                          | Leachable Boron (B)                         | 2024/10/18    | NC      |          | %     | 35        |
|             |      |                          | Leachable Cadmium (Cd)                      | 2024/10/18    | NC      |          | %     | 35        |
|             |      |                          | Leachable Chromium (Cr)                     | 2024/10/18    | NC      |          | %     | 35        |
|             |      |                          | Leachable Lead (Pb)                         | 2024/10/18    | NC      |          | %     | 35        |
|             |      |                          | Leachable Mercury (Hg)                      | 2024/10/18    | NC      |          | %     | 35        |
|             |      |                          | Leachable Selenium (Se)                     | 2024/10/18    | NC      |          | %     | 35        |
|             |      |                          | Leachable Silver (Ag)                       | 2024/10/18    | NC      |          | %     | 35        |
|             |      |                          | Leachable Uranium (U)                       | 2024/10/18    | NC      |          | %     | 35        |
| 9709092     | NGI  | Matrix Spike [AFSO24-02] | Leachable Fluoride (F-)                     | 2024/10/18    |         | 99       | %     | 80 - 120  |
| 9709092     | NGI  | Leachate Blank           | Leachable Fluoride (F-)                     | 2024/10/18    | <0.10   |          | mg/L  |           |
| 9709092     | NGI  | Spiked Blank             | Leachable Fluoride (F-)                     | 2024/10/18    |         | 101      | %     | 80 - 120  |
| 9709092     | NGI  | Method Blank             | Leachable Fluoride (F-)                     | 2024/10/18    | <0.10   |          | mg/L  |           |
| 9709092     | NGI  | RPD [AFSO24-02]          | Leachable Fluoride (F-)                     | 2024/10/18    | NC      |          | %     | 25        |
| 9709095     | GYA  | Matrix Spike [AFSO24-02] | Leachable WAD Cyanide (Free)                | 2024/10/18    |         | 96       | %     | 80 - 120  |
| 9709095     | GYA  | Leachate Blank           | Leachable WAD Cyanide (Free)                | 2024/10/18    | <0.010  |          | mg/L  |           |
| 9709095     | GYA  | Spiked Blank             | Leachable WAD Cyanide (Free)                | 2024/10/18    |         | 101      | %     | 80 - 120  |
| 9709095     | GYA  | Method Blank             | Leachable WAD Cyanide (Free)                | 2024/10/18    | <0.0020 |          | mg/L  |           |
| 9709095     | GYA  | RPD [AFSO24-02]          | Leachable WAD Cyanide (Free)                | 2024/10/18    | NC      |          | %     | 20        |
| 9709096     | C_N  | Matrix Spike [AFSO24-02] | Leachable Nitrite (N)                       | 2024/10/18    |         | 104      | %     | 80 - 120  |
|             |      |                          | Leachable Nitrate (N)                       | 2024/10/18    |         | 82       | %     | 80 - 120  |
|             |      |                          | Leachable Nitrate + Nitrite (N)             | 2024/10/18    |         | 87       | %     | 80 - 120  |
| 9709096     | C_N  | Leachate Blank           | Leachable Nitrite (N)                       | 2024/10/18    | <0.10   |          | mg/L  |           |
|             |      |                          | Leachable Nitrate (N)                       | 2024/10/18    | <1.0    |          | mg/L  |           |
|             |      |                          | Leachable Nitrate + Nitrite (N)             | 2024/10/18    | <1.0    |          | mg/L  |           |
| 9709096     | C_N  | Spiked Blank             | Leachable Nitrite (N)                       | 2024/10/18    |         | 108      | %     | 80 - 120  |
|             |      |                          | Leachable Nitrate (N)                       | 2024/10/18    |         | 88       | %     | 80 - 120  |
|             |      |                          | Leachable Nitrate + Nitrite (N)             | 2024/10/18    |         | 92       | %     | 80 - 120  |
| 9709096     | C_N  | Method Blank             | Leachable Nitrite (N)                       | 2024/10/18    | <0.10   |          | mg/L  |           |
|             |      |                          | Leachable Nitrate (N)                       | 2024/10/18    | <1.0    |          | mg/L  |           |
|             |      |                          | Leachable Nitrate + Nitrite (N)             | 2024/10/18    | <1.0    |          | mg/L  |           |
| 9709096     | C_N  | RPD [AFSO24-02]          | Leachable Nitrite (N)                       | 2024/10/18    | NC      |          | %     | 20        |
|             |      |                          | Leachable Nitrate (N)                       | 2024/10/18    | NC      |          | %     | 20        |
|             |      |                          | Leachable Nitrate + Nitrite (N)             | 2024/10/18    | NC      |          | %     | 20        |
| 9709538     | MBV  | Matrix Spike             | Leachable 4-Bromofluorobenzene              | 2024/10/18    |         | 102      | %     | 70 - 130  |
|             |      |                          | Leachable D4-1,2-Dichloroethane             | 2024/10/18    |         | 96       | %     | 70 - 130  |
|             |      |                          | Leachable D8-Toluene                        | 2024/10/18    |         | 102      | %     | 70 - 130  |
|             |      |                          | Leachable Benzene                           | 2024/10/18    |         | 96       | %     | 70 - 130  |
|             |      |                          | Leachable Carbon Tetrachloride              | 2024/10/18    |         | 99       | %     | 70 - 130  |
|             |      |                          | Leachable Chlorobenzene                     | 2024/10/18    |         | 87       | %     | 70 - 130  |
|             |      |                          | Leachable Chloroform                        | 2024/10/18    |         | 94       | %     | 70 - 130  |
|             |      |                          | Leachable 1,2-Dichlorobenzene               | 2024/10/18    |         | 94       | %     | 70 - 130  |
|             |      |                          | Leachable 1,4-Dichlorobenzene               | 2024/10/18    |         | 96       | %     | 70 - 130  |
|             |      |                          | Leachable 1,2-Dichloroethane                | 2024/10/18    |         | 89       | %     | 70 - 130  |
|             |      |                          | Leachable 1,1-Dichloroethylene              | 2024/10/18    |         | 96       | %     | 70 - 130  |
|             |      |                          | Leachable Methylene Chloride(Dichloromethan | 2024/10/18    |         | 91       | %     | 70 - 130  |
|             |      |                          | Leachable Methyl Ethyl Ketone (2-Butanone)  | 2024/10/18    |         | 94       | %     | 60 - 140  |
|             |      |                          | Leachable Tetrachloroethylene               | 2024/10/18    |         | 95       | %     | 70 - 130  |
|             |      |                          | Leachable Trichloroethylene                 | 2024/10/18    |         | 97       | %     | 70 - 130  |
|             |      |                          | Leachable Vinyl Chloride                    | 2024/10/18    |         | 91       | %     | 70 - 130  |
| 9709538     | MBV  | Spiked Blank             | Leachable 4-Bromofluorobenzene              | 2024/10/18    |         | 103      | %     | 70 - 130  |
|             |      |                          | Leachable D4-1,2-Dichloroethane             | 2024/10/18    |         | 100      | %     | 70 - 130  |
|             |      |                          | Leachable D8-Toluene                        | 2024/10/18    |         | 100      | %     | 70 - 130  |



Bureau Veritas Job #: C4W1825  
Report Date: 2024/10/21

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 400 RIVERSIDE DRIVE, OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC   | Batch | Init         | QC Type | Parameter                                   | Date Analyzed | Value  | Recovery | UNITS | QC Limits |
|---------|-------|--------------|---------|---------------------------------------------|---------------|--------|----------|-------|-----------|
| 9709538 | MBV   | Method Blank |         | Leachable Benzene                           | 2024/10/18    |        | 100      | %     | 70 - 130  |
|         |       |              |         | Leachable Carbon Tetrachloride              | 2024/10/18    |        | 101      | %     | 70 - 130  |
|         |       |              |         | Leachable Chlorobenzene                     | 2024/10/18    |        | 88       | %     | 70 - 130  |
|         |       |              |         | Leachable Chloroform                        | 2024/10/18    |        | 98       | %     | 70 - 130  |
|         |       |              |         | Leachable 1,2-Dichlorobenzene               | 2024/10/18    |        | 95       | %     | 70 - 130  |
|         |       |              |         | Leachable 1,4-Dichlorobenzene               | 2024/10/18    |        | 97       | %     | 70 - 130  |
|         |       |              |         | Leachable 1,2-Dichloroethane                | 2024/10/18    |        | 96       | %     | 70 - 130  |
|         |       |              |         | Leachable 1,1-Dichloroethylene              | 2024/10/18    |        | 98       | %     | 70 - 130  |
|         |       |              |         | Leachable Methylene Chloride(Dichloromethan | 2024/10/18    |        | 97       | %     | 70 - 130  |
|         |       |              |         | Leachable Methyl Ethyl Ketone (2-Butanone)  | 2024/10/18    |        | 101      | %     | 60 - 140  |
|         |       |              |         | Leachable Tetrachloroethylene               | 2024/10/18    |        | 94       | %     | 70 - 130  |
|         |       |              |         | Leachable Trichloroethylene                 | 2024/10/18    |        | 101      | %     | 70 - 130  |
|         |       |              |         | Leachable Vinyl Chloride                    | 2024/10/18    |        | 93       | %     | 70 - 130  |
|         |       |              |         | Leachable 4-Bromofluorobenzene              | 2024/10/18    |        | 103      | %     | 70 - 130  |
|         |       |              |         | Leachable D4-1,2-Dichloroethane             | 2024/10/18    |        | 98       | %     | 70 - 130  |
|         |       |              |         | Leachable D8-Toluene                        | 2024/10/18    |        | 95       | %     | 70 - 130  |
|         |       |              |         | Leachable Benzene                           | 2024/10/18    | <0.020 |          | mg/L  |           |
|         |       |              |         | Leachable Carbon Tetrachloride              | 2024/10/18    | <0.020 |          | mg/L  |           |
|         |       |              |         | Leachable Chlorobenzene                     | 2024/10/18    | <0.020 |          | mg/L  |           |
|         |       |              |         | Leachable Chloroform                        | 2024/10/18    | <0.020 |          | mg/L  |           |
|         |       |              |         | Leachable 1,2-Dichlorobenzene               | 2024/10/18    | <0.050 |          | mg/L  |           |
|         |       |              |         | Leachable 1,4-Dichlorobenzene               | 2024/10/18    | <0.050 |          | mg/L  |           |
|         |       |              |         | Leachable 1,2-Dichloroethane                | 2024/10/18    | <0.050 |          | mg/L  |           |
|         |       |              |         | Leachable 1,1-Dichloroethylene              | 2024/10/18    | <0.020 |          | mg/L  |           |
|         |       |              |         | Leachable Methylene Chloride(Dichloromethan | 2024/10/18    | <0.20  |          | mg/L  |           |
|         |       |              |         | Leachable Methyl Ethyl Ketone (2-Butanone)  | 2024/10/18    | <1.0   |          | mg/L  |           |
|         |       |              |         | Leachable Tetrachloroethylene               | 2024/10/18    | <0.020 |          | mg/L  |           |
|         |       |              |         | Leachable Trichloroethylene                 | 2024/10/18    | <0.020 |          | mg/L  |           |
|         |       |              |         | Leachable Vinyl Chloride                    | 2024/10/18    | <0.020 |          | mg/L  |           |
| 9709538 | MBV   | RPD          |         | Leachable Benzene                           | 2024/10/18    | NC     |          | %     | 30        |
|         |       |              |         | Leachable Carbon Tetrachloride              | 2024/10/18    | NC     |          | %     | 30        |
|         |       |              |         | Leachable Chlorobenzene                     | 2024/10/18    | NC     |          | %     | 30        |
|         |       |              |         | Leachable Chloroform                        | 2024/10/18    | NC     |          | %     | 30        |
|         |       |              |         | Leachable 1,2-Dichlorobenzene               | 2024/10/18    | NC     |          | %     | 30        |
|         |       |              |         | Leachable 1,4-Dichlorobenzene               | 2024/10/18    | NC     |          | %     | 30        |
|         |       |              |         | Leachable 1,2-Dichloroethane                | 2024/10/18    | NC     |          | %     | 30        |
|         |       |              |         | Leachable 1,1-Dichloroethylene              | 2024/10/18    | NC     |          | %     | 30        |
|         |       |              |         | Leachable Methylene Chloride(Dichloromethan | 2024/10/18    | NC     |          | %     | 30        |
|         |       |              |         | Leachable Methyl Ethyl Ketone (2-Butanone)  | 2024/10/18    | NC     |          | %     | 30        |
|         |       |              |         | Leachable Tetrachloroethylene               | 2024/10/18    | NC     |          | %     | 30        |
|         |       |              |         | Leachable Trichloroethylene                 | 2024/10/18    | NC     |          | %     | 30        |



Bureau Veritas Job #: C4W1825  
Report Date: 2024/10/21

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 400 RIVERSIDE DRIVE, OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC                                                                                                                                                                                        |      |         |                          |               |       |          |       |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|--------------------------|---------------|-------|----------|-------|-----------|
| Batch                                                                                                                                                                                        | Init | QC Type | Parameter                | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|                                                                                                                                                                                              |      |         | Leachable Vinyl Chloride | 2024/10/18    | NC    |          | %     | 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.                                                       |      |         |                          |               |       |          |       |           |
| Leachate Blank: A blank matrix containing all reagents used in the leaching procedure. Used to determine any process contamination.                                                          |      |         |                          |               |       |          |       |           |
| Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.                                  |      |         |                          |               |       |          |       |           |
| Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.                                                            |      |         |                          |               |       |          |       |           |
| Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.                                                  |      |         |                          |               |       |          |       |           |
| NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL). |      |         |                          |               |       |          |       |           |



Bureau Veritas Job #: C4W1825  
Report Date: 2024/10/21

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 400 RIVERSIDE DRIVE, OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### VALIDATION SIGNATURE PAGE

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

A handwritten signature in black ink that reads "Louise A. Harding".

Louise Harding, Scientific Specialist

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



Confirmation of Sample Receipt

Bureau Veritas Job Number: C4W1825  
Job Received: 2024/10/11  
Final Report Due: 2024/10/21  
Disposal Date: 2024/11/10

Invoice Information

Attn: Accounts Payable  
SLR Consulting (Canada) Ltd.  
#200 – 887 Great Northern Way  
Vancouver, BC, V5T 4T5  
Email to:  
accountspayableca@slrconsulting.com  
adang@slrconsulting.com

Report Information

Attn: Matt Williamson  
SLR Consulting (Canada) Ltd.  
#200 – 887 Great Northern Way  
Vancouver, BC, V5T 4T5  
Email to:  
mwilliamson@slrconsulting.com

Project Information

Quote #: C41044  
PO/AFE#: OTT2947  
Project #: OTT2947  
Site Location: SUNCOR 400 RIVERSIDE DRIVE,  
OTTAWA  
Site #: 35197  
Sampled By: MS

Analytical Summary

A: Due On 2024/10/21

| Lab ID               | Client Sample ID | Sampling Date/Time | Matrix | # Cont. | O.Reg 558 TCLP Inorganics Package | O.Reg 558 TCLP VOCs by HS | TCLP Leachate Preparation | Ignitability of a Sample |
|----------------------|------------------|--------------------|--------|---------|-----------------------------------|---------------------------|---------------------------|--------------------------|
| COC# C#1013277-01-01 |                  |                    |        |         |                                   |                           |                           |                          |
| AFSO24               | TCLP-10-10-2024  | 2024/10/10 14:10   | SOIL   | 3       | A                                 | A                         | A                         | A                        |

Include Criteria on CofA: Yes Criteria : Regulation 558/00

Sample Inspection Observations & Comments

# of Samples Received: 1  
Details: Sample(s) received in good condition.  
Average Temperature: Package 1: 6.7 °C  
Package 2: 9.3 °C

Additional Notes

- Unless special storage arrangements are made, all samples will be disposed 30 days after receipt. Additional fees may be applied for extended storage.
- Additional fees may be applied for the disposal of hazardous samples.

\*\*The contents of this report are subject to change. For up to date information, please refer to the Customer Portal.\*\*



## Confirmation of Sample Receipt

Bureau Veritas Job Number: C4W1825

Job Received: 2024/10/11

Final Report Due: 2024/10/21

Disposal Date: 2024/11/10

### Parameter Summary

| Package/Test                      | Parameter                                     | RDL * | Unit | Samples |
|-----------------------------------|-----------------------------------------------|-------|------|---------|
| O.Reg 558 TCLP Inorganics Package | Leachable WAD Cyanide (Free)                  | 0.002 | mg/L | All     |
|                                   | Leachable Fluoride (F-)                       | 0.1   | mg/L | All     |
|                                   | Leachable Nitrite (N)                         | 0.1   | mg/L | All     |
|                                   | Leachable Nitrate (N)                         | 1     | mg/L | All     |
|                                   | Leachable Nitrate + Nitrite (N)               | 1     | mg/L | All     |
|                                   | Leachable Arsenic (As)                        | 0.2   | mg/L | All     |
|                                   | Leachable Barium (Ba)                         | 0.2   | mg/L | All     |
|                                   | Leachable Boron (B)                           | 0.1   | mg/L | All     |
|                                   | Leachable Cadmium (Cd)                        | 0.05  | mg/L | All     |
|                                   | Leachable Chromium (Cr)                       | 0.1   | mg/L | All     |
|                                   | Leachable Lead (Pb)                           | 0.1   | mg/L | All     |
|                                   | Leachable Mercury (Hg)                        | 0.001 | mg/L | All     |
|                                   | Leachable Selenium (Se)                       | 0.1   | mg/L | All     |
|                                   | Leachable Silver (Ag)                         | 0.01  | mg/L | All     |
|                                   | Leachable Uranium (U)                         | 0.01  | mg/L | All     |
| O.Reg 558 TCLP VOCs by HS         | Amount Extracted (Wet Weight) (g)             | N/A   | N/A  | All     |
|                                   | Leachable Benzene                             | 0.02  | mg/L | All     |
|                                   | Leachable Carbon Tetrachloride                | 0.02  | mg/L | All     |
|                                   | Leachable Chlorobenzene                       | 0.02  | mg/L | All     |
|                                   | Leachable Chloroform                          | 0.02  | mg/L | All     |
|                                   | Leachable 1,2-Dichlorobenzene                 | 0.05  | mg/L | All     |
|                                   | Leachable 1,4-Dichlorobenzene                 | 0.05  | mg/L | All     |
|                                   | Leachable 1,2-Dichloroethane                  | 0.05  | mg/L | All     |
|                                   | Leachable 1,1-Dichloroethylene                | 0.02  | mg/L | All     |
|                                   | Leachable Methylene Chloride(Dichloromethane) | 0.2   | mg/L | All     |
|                                   | Leachable Methyl Ethyl Ketone (2-Butanone)    | 1     | mg/L | All     |
|                                   | Leachable Tetrachloroethylene                 | 0.02  | mg/L | All     |
|                                   | Leachable Trichloroethylene                   | 0.02  | mg/L | All     |
|                                   | Leachable Vinyl Chloride                      | 0.02  | mg/L | All     |
| TCLP Leachate Preparation         | TCLP - % Solids                               | 0.2   | %    | All     |
|                                   | TCLP Extraction Fluid                         | N/A   | N/A  | All     |
|                                   | Final pH                                      | N/A   | pH   | All     |
|                                   | Initial pH                                    | N/A   | pH   | All     |
| Ignitability of a Sample          | Ignitability                                  | N/A   | N/A  | All     |

\*RDLs are subject to change based on interferences present at the time of analysis.

2024/10/11 13:52

Received in Ottawa

CHAIN OF CUSTODY RECORD

Page 1 of 1

|                                                                                                                                                                                                                                                                                                                                                       |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------|--------------|--------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------|-------------------|---------------------|-----------------------------|----------------------|-----|----|
| INVOICE TO:                                                                                                                                                                                                                                                                                                                                           |                                  | REPORT TO:                                                                  |              | PROJECT INFORMATION:                       |                                                     | Laboratory Use Only:                                                                                                                |             |                               |                   |                     |                             |                      |     |    |
| Company Name: #39437 SLR Consulting (Canada) Ltd.                                                                                                                                                                                                                                                                                                     |                                  | Company Name: SLR Consulting (Canada) Ltd.                                  |              | Quotation #: C41044                        |                                                     | Bureau Veritas Job #:                                                                                                               |             |                               |                   |                     |                             |                      |     |    |
| Attention: Accounts Payable                                                                                                                                                                                                                                                                                                                           |                                  | Attention: Matt Williamson                                                  |              | P.O. #: 0112947                            |                                                     | Bottle Order #:                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| Address: #200 - 887 Great Northern Way                                                                                                                                                                                                                                                                                                                |                                  | Address: 200 Stone Road West Suite 201                                      |              | Project: 0112947                           |                                                     | 1013277                                                                                                                             |             |                               |                   |                     |                             |                      |     |    |
| Vancouver BC V5T 4T5                                                                                                                                                                                                                                                                                                                                  |                                  | Guelph ON N1G 5L3                                                           |              | Project Name: Suncor 4000 Riverside Ottawa |                                                     | COC #:                                                                                                                              |             |                               |                   |                     |                             |                      |     |    |
| Tel: (604) 738-2500                                                                                                                                                                                                                                                                                                                                   |                                  | Tel: 226-226-8080                                                           |              | Site #: 35197                              |                                                     | Project Manager:                                                                                                                    |             |                               |                   |                     |                             |                      |     |    |
| Email: accounts.payable.ca@slrconsulting.com; adang@slrcons                                                                                                                                                                                                                                                                                           |                                  | Email: mwilliamson@slrconsulting.com                                        |              | Sampled By: MS                             |                                                     | Keshani Viji                                                                                                                        |             |                               |                   |                     |                             |                      |     |    |
| MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY                                                                                                                                                                                                          |                                  | ANALYSIS REQUESTED (PLEASE BE SPECIFIC)                                     |              | Turnaround Time (TAT) Required:            |                                                     | Please provide advance notice for rush projects                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| Regulation 153 (2011)                                                                                                                                                                                                                                                                                                                                 |                                  | Other Regulations                                                           |              | Special Instructions                       |                                                     | Regular (Standard) TAT:                                                                                                             |             |                               |                   |                     |                             |                      |     |    |
| <input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Medium/Fine                                                                                                                                                                                                                                               |                                  | <input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw |              |                                            |                                                     | (will be applied if Rush TAT is not specified):                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| <input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse                                                                                                                                                                                                                                                    |                                  | <input type="checkbox"/> Reg 558 <input type="checkbox"/> Storm Sewer Bylaw |              |                                            |                                                     | Standard TAT = 5-7 Working days for most tests.                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/Other <input type="checkbox"/> For RSC                                                                                                                                                                                                                                                 |                                  | <input type="checkbox"/> MISA <input type="checkbox"/> Municipality         |              |                                            |                                                     | Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details. |             |                               |                   |                     |                             |                      |     |    |
| <input type="checkbox"/> Table                                                                                                                                                                                                                                                                                                                        |                                  | <input type="checkbox"/> PWQO <input type="checkbox"/> Reg 406 Table        |              |                                            |                                                     | Job Specific Rush TAT (if applies to entire submission)                                                                             |             |                               |                   |                     |                             |                      |     |    |
|                                                                                                                                                                                                                                                                                                                                                       |                                  | <input checked="" type="checkbox"/> Other Reg 558                           |              |                                            |                                                     | Date Required: Time Required:                                                                                                       |             |                               |                   |                     |                             |                      |     |    |
| Include Criteria on Certificate of Analysis (Y/N)?                                                                                                                                                                                                                                                                                                    |                                  |                                                                             |              |                                            |                                                     | Rush Confirmation Number: (call lab for #)                                                                                          |             |                               |                   |                     |                             |                      |     |    |
| Sample Barcode Label                                                                                                                                                                                                                                                                                                                                  | Sample (Location) Identification | Date Sampled                                                                | Time Sampled | Matrix                                     | Field Filtered (please circle): Metals / Hg / Cr-VI | TCLP-VOCs                                                                                                                           | TCLP-Metals | TCLP-Inorganic                | TCLP-Ignitability | # of Bottles        | Comments                    |                      |     |    |
| 1                                                                                                                                                                                                                                                                                                                                                     | TCLP-10-10-2024                  | 2024/10/10                                                                  | 14:10        | Soil                                       | No                                                  | X                                                                                                                                   | X           | X                             |                   | 3                   |                             |                      |     |    |
| 2                                                                                                                                                                                                                                                                                                                                                     |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| 3                                                                                                                                                                                                                                                                                                                                                     |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| 4                                                                                                                                                                                                                                                                                                                                                     |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| 5                                                                                                                                                                                                                                                                                                                                                     |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| 6                                                                                                                                                                                                                                                                                                                                                     |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| 7                                                                                                                                                                                                                                                                                                                                                     |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| 8                                                                                                                                                                                                                                                                                                                                                     |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| 9                                                                                                                                                                                                                                                                                                                                                     |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| 10                                                                                                                                                                                                                                                                                                                                                    |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| * RELINQUISHED BY: (Signature/Print)                                                                                                                                                                                                                                                                                                                  |                                  | Date: (YY/MM/DD)                                                            | Time         | RECEIVED BY: (Signature/Print)             |                                                     | Date: (YY/MM/DD)                                                                                                                    | Time        | # jars used and not submitted |                   | Laboratory Use Only |                             |                      |     |    |
| Melanie Boya Melanie St Cyr                                                                                                                                                                                                                                                                                                                           |                                  | 24/10/11                                                                    | 12:15        | Ampelices Suncor                           |                                                     | 2024/10/11                                                                                                                          | 13:52       |                               |                   | Time Sensitive      | Temperature (°C) on Receipt | Custody Seal Present | Yes | No |
|                                                                                                                                                                                                                                                                                                                                                       |                                  |                                                                             |              | Vancouver Fraser River                     |                                                     | 20/10/12                                                                                                                            | 09:02       |                               |                   |                     |                             | Intact               |     |    |
| * UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/COC-TERMS-AND-CONDITIONS. |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| * IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.                                                                                                                                                                             |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| ** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/CHAIN-CUSTODY-FORMS-COCS.                                                                                                                                                                                     |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS                                                                                                                                                                                                                                                             |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| White: Bureau Veritas Yellow: Client                                                                                                                                                                                                                                                                                                                  |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |
| 5/0/1 3/4/4                                                                                                                                                                                                                                                                                                                                           |                                  |                                                                             |              |                                            |                                                     |                                                                                                                                     |             |                               |                   |                     |                             |                      |     |    |



**Attention: Matt Williamson**

SLR Consulting (Canada) Ltd.  
201-100 Stone Rd. W.  
Guelph, ON  
Canada N1G 5L3

Your P.O. #: OTT2947  
Your Project #: OTT2947  
Site#: 35197  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your C.O.C. #: C#1013277-01-01

**Report Date: 2024/10/22**

Report #: R8371886

Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C4W1831**

**Received: 2024/10/11, 13:52**

Sample Matrix: Soil  
# Samples Received: 18

| Analyses                                       | Quantity | Date<br>Extracted | Date<br>Analyzed | Laboratory Method | Analytical Method    |
|------------------------------------------------|----------|-------------------|------------------|-------------------|----------------------|
| Methylnaphthalene Sum (1)                      | 3        | N/A               | 2024/10/22       | CAM SOP-00301     | EPA 8270D m          |
| Hot Water Extractable Boron (1)                | 4        | 2024/10/17        | 2024/10/18       | CAM SOP-00408     | R153 Ana. Prot. 2011 |
| Conductivity (1)                               | 4        | 2024/10/18        | 2024/10/18       | CAM SOP-00414     | OMOE E3530 v1 m      |
| Hexavalent Chromium in Soil by IC (1, 2)       | 4        | 2024/10/18        | 2024/10/18       | CAM SOP-00436     | EPA 3060A/7199 m     |
| Petroleum Hydro. CCME F1 & BTEX in Soil (1, 3) | 14       | N/A               | 2024/10/17       | CAM SOP-00315     | CCME PHC-CWS m       |
| Petroleum Hydro. CCME F1 & BTEX in Soil (1, 3) | 2        | N/A               | 2024/10/18       | CAM SOP-00315     | CCME PHC-CWS m       |
| Petroleum Hydrocarbons F2-F4 in Soil (1, 4)    | 16       | 2024/10/18        | 2024/10/22       | CAM SOP-00316     | CCME CWS m           |
| Glycols in Soil by GC-FID (1)                  | 2        | N/A               | 2024/10/17       | CAM SOP-00322     | EPA 8015 m           |
| Acid Extractable Metals by ICPMS (1)           | 4        | 2024/10/18        | 2024/10/18       | CAM SOP-00447     | EPA 6020B m          |
| Moisture (1)                                   | 16       | N/A               | 2024/10/15       | CAM SOP-00445     | Carter 2nd ed 70.2 m |
| PAH Compounds in Soil by GC/MS (SIM) (1)       | 1        | 2024/10/21        | 2024/10/21       | CAM SOP-00318     | EPA 8270E            |
| PAH Compounds in Soil by GC/MS (SIM) (1)       | 2        | 2024/10/21        | 2024/10/22       | CAM SOP-00318     | EPA 8270E            |
| pH CaCl <sub>2</sub> EXTRACT (1)               | 4        | 2024/10/17        | 2024/10/17       | CAM SOP-00413     | EPA 9045 D m         |
| Sieve, 75um (1)                                | 3        | N/A               | 2024/10/18       | CAM SOP-00467     | ASTM D1140 -17 m     |
| Sodium Adsorption Ratio (SAR) (1)              | 4        | N/A               | 2024/10/19       | CAM SOP-00102     | EPA 6010C            |

**Remarks:**

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

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

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

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



**Attention: Matt Williamson**

SLR Consulting (Canada) Ltd.  
201-100 Stone Rd. W.  
Guelph, ON  
Canada N1G 5L3

Your P.O. #: OTT2947  
Your Project #: OTT2947  
Site#: 35197  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your C.O.C. #: C#1013277-01-01

**Report Date: 2024/10/22**

Report #: R8371886

Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C4W1831**

**Received: 2024/10/11, 13:52**

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

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

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

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

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

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

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

(4) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003".

Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key



Bureau Veritas

22 Oct 2024 15:06:14

Please direct all questions regarding this Certificate of Analysis to:

Keshani Vijh, Sr. Project Manager

Email: keshani.vijh@bureauveritas.com

Phone# (613) 274-0573

=====

This report has been generated and distributed using a secure automated process.

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



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### RESULTS OF ANALYSES OF SOIL

|                          |              |                         |                          |                         |                          |            |            |                 |
|--------------------------|--------------|-------------------------|--------------------------|-------------------------|--------------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b> |              | AFSP09                  | AFSP10                   | AFSP11                  | AFSP12                   |            |            |                 |
| <b>Sampling Date</b>     |              | 2024/10/09<br>15:45     | 2024/10/10<br>12:30      | 2024/10/08<br>16:20     | 2024/10/10<br>09:20      |            |            |                 |
| <b>COC Number</b>        |              | C#1013277-01-01         | C#1013277-01-01          | C#1013277-01-01         | C#1013277-01-01          |            |            |                 |
|                          | <b>UNITS</b> | <b>BH24-01_6.09-6.7</b> | <b>BH24-02_4.57-5.02</b> | <b>BH24-03_6.09-6.7</b> | <b>BH24-04_3.04-3.65</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |

|                                  |   |    |    |     |    |     |      |         |
|----------------------------------|---|----|----|-----|----|-----|------|---------|
| <b>Inorganics</b>                |   |    |    |     |    |     |      |         |
| Moisture                         | % | 21 | 18 | 6.5 | 17 | 1.0 | 0.50 | 9702319 |
| RDL = Reportable Detection Limit |   |    |    |     |    |     |      |         |
| QC Batch = Quality Control Batch |   |    |    |     |    |     |      |         |

|                          |              |                          |            |            |                 |                          |                         |            |            |                 |
|--------------------------|--------------|--------------------------|------------|------------|-----------------|--------------------------|-------------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b> |              | AFSP13                   |            |            |                 | AFSP15                   | AFSP16                  |            |            |                 |
| <b>Sampling Date</b>     |              | 2024/10/10<br>09:40      |            |            |                 | 2024/10/07<br>15:40      | 2024/10/08<br>16:20     |            |            |                 |
| <b>COC Number</b>        |              | C#1013277-01-01          |            |            |                 | C#1013277-01-01          | C#1013277-01-01         |            |            |                 |
|                          | <b>UNITS</b> | <b>BH24-04_6.09-6.70</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> | <b>BH24-05_6.09-6.70</b> | <b>BH24-06_8.38-9.0</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |

|                                                                                                                                           |       |          |       |        |         |    |    |     |      |         |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|-------|--------|---------|----|----|-----|------|---------|
| <b>Calculated Parameters</b>                                                                                                              |       |          |       |        |         |    |    |     |      |         |
| Sodium Adsorption Ratio                                                                                                                   | N/A   | 0.46 (1) |       |        | 9700452 |    |    |     |      |         |
| <b>Inorganics</b>                                                                                                                         |       |          |       |        |         |    |    |     |      |         |
| Conductivity                                                                                                                              | mS/cm | 0.075    | 0.002 | 0.0005 | 9710924 |    |    |     |      |         |
| Moisture                                                                                                                                  | %     | 18       | 1.0   | 0.50   | 9702319 | 23 | 20 | 1.0 | 0.50 | 9702319 |
| Available (CaCl2) pH                                                                                                                      | pH    | 8.01     |       |        | 9708125 |    |    |     |      |         |
| RDL = Reportable Detection Limit                                                                                                          |       |          |       |        |         |    |    |     |      |         |
| QC Batch = Quality Control Batch                                                                                                          |       |          |       |        |         |    |    |     |      |         |
| (1) Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio. |       |          |       |        |         |    |    |     |      |         |



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### RESULTS OF ANALYSES OF SOIL

|                          |              |                          |            |            |                 |                            |                         |            |            |                 |
|--------------------------|--------------|--------------------------|------------|------------|-----------------|----------------------------|-------------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b> |              | AFSP17                   |            |            |                 | AFSP18                     | AFSP19                  |            |            |                 |
| <b>Sampling Date</b>     |              | 2024/10/08<br>10:45      |            |            |                 | 2024/10/08<br>11:18        | 2024/10/08<br>12:30     |            |            |                 |
| <b>COC Number</b>        |              | C#1013277-01-01          |            |            |                 | C#1013277-01-01            | C#1013277-01-01         |            |            |                 |
|                          | <b>UNITS</b> | <b>BH24-06_9.14-9.75</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> | <b>BH24-06_11.43-12.04</b> | <b>BH24-06_16-16.61</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |

|                                                                                              |   |        |     |     |         |    |    |     |      |         |
|----------------------------------------------------------------------------------------------|---|--------|-----|-----|---------|----|----|-----|------|---------|
| <b>Inorganics</b>                                                                            |   |        |     |     |         |    |    |     |      |         |
| Moisture                                                                                     | % |        |     |     |         | 14 | 23 | 1.0 | 0.50 | 9702319 |
| <b>Miscellaneous Parameters</b>                                                              |   |        |     |     |         |    |    |     |      |         |
| Grain Size                                                                                   | % | COARSE | N/A | N/A | 9708149 |    |    |     |      |         |
| Sieve - #200 (<0.075mm)                                                                      | % | 7      | 1   | N/A | 9708149 |    |    |     |      |         |
| Sieve - #200 (>0.075mm)                                                                      | % | 93     | 1   | N/A | 9708149 |    |    |     |      |         |
| RDL = Reportable Detection Limit<br>QC Batch = Quality Control Batch<br>N/A = Not Applicable |   |        |     |     |         |    |    |     |      |         |

|                          |              |                            |            |            |                 |                          |            |            |                 |
|--------------------------|--------------|----------------------------|------------|------------|-----------------|--------------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b> |              | AFSP20                     |            |            |                 | AFSP21                   |            |            |                 |
| <b>Sampling Date</b>     |              | 2024/10/08<br>12:50        |            |            |                 | 2024/10/10<br>13:56      |            |            |                 |
| <b>COC Number</b>        |              | C#1013277-01-01            |            |            |                 | C#1013277-01-01          |            |            |                 |
|                          | <b>UNITS</b> | <b>BH24-06_16.76-17.38</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> | <b>BH24-07_6.09-6.70</b> | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |

|                                                                                              |       |        |     |     |         |        |       |        |  |         |
|----------------------------------------------------------------------------------------------|-------|--------|-----|-----|---------|--------|-------|--------|--|---------|
| <b>Calculated Parameters</b>                                                                 |       |        |     |     |         |        |       |        |  |         |
| Sodium Adsorption Ratio                                                                      | N/A   |        |     |     |         | 2.6    |       |        |  | 9700452 |
| <b>Inorganics</b>                                                                            |       |        |     |     |         |        |       |        |  |         |
| Conductivity                                                                                 | mS/cm |        |     |     |         | 0.33   | 0.002 | 0.0005 |  | 9710924 |
| Moisture                                                                                     | %     |        |     |     |         | 22     | 1.0   | 0.50   |  | 9702319 |
| Available (CaCl2) pH                                                                         | pH    |        |     |     |         | 7.95   |       |        |  | 9708125 |
| <b>Miscellaneous Parameters</b>                                                              |       |        |     |     |         |        |       |        |  |         |
| Grain Size                                                                                   | %     | COARSE | N/A | N/A | 9708149 | COARSE | N/A   | N/A    |  | 9708149 |
| Sieve - #200 (<0.075mm)                                                                      | %     | 10     | 1   | N/A | 9708149 | 6      | 1     | N/A    |  | 9708149 |
| Sieve - #200 (>0.075mm)                                                                      | %     | 90     | 1   | N/A | 9708149 | 94     | 1     | N/A    |  | 9708149 |
| RDL = Reportable Detection Limit<br>QC Batch = Quality Control Batch<br>N/A = Not Applicable |       |        |     |     |         |        |       |        |  |         |



RESULTS OF ANALYSES OF SOIL

|                                  |       |                     |          |                     |     |      |          |
|----------------------------------|-------|---------------------|----------|---------------------|-----|------|----------|
| Bureau Veritas ID                |       | AFSP22              |          | AFSP24              |     |      |          |
| Sampling Date                    |       | 2024/10/09<br>10:00 |          | 2024/10/09<br>11:10 |     |      |          |
| COC Number                       |       | C#1013277-01-01     |          | C#1013277-01-01     |     |      |          |
|                                  | UNITS | BH24-08_6.09-6.70   | QC Batch | BH24-08_11.43-12.04 | RDL | MDL  | QC Batch |
| Inorganics                       |       |                     |          |                     |     |      |          |
| Moisture                         | %     | 22                  | 9702319  | 16                  | 1.0 | 0.50 | 9701926  |
| RDL = Reportable Detection Limit |       |                     |          |                     |     |      |          |
| QC Batch = Quality Control Batch |       |                     |          |                     |     |      |          |

|                                  |       |                     |       |        |          |                     |                 |     |      |          |
|----------------------------------|-------|---------------------|-------|--------|----------|---------------------|-----------------|-----|------|----------|
| Bureau Veritas ID                |       | AFSP25              |       |        |          | AFSP26              | AFSP27          |     |      |          |
| Sampling Date                    |       | 2024/10/09<br>12:50 |       |        |          | 2024/10/10<br>11:15 | 2024/10/08      |     |      |          |
| COC Number                       |       | C#1013277-01-01     |       |        |          | C#1013277-01-01     | C#1013277-01-01 |     |      |          |
|                                  | UNITS | BH24-08_16.76-17.37 | RDL   | MDL    | QC Batch | BH24-09_6.85-7.45   | DUP-1           | RDL | MDL  | QC Batch |
| Calculated Parameters            |       |                     |       |        |          |                     |                 |     |      |          |
| Sodium Adsorption Ratio          | N/A   | 5.1                 |       |        | 9700452  |                     |                 |     |      |          |
| Inorganics                       |       |                     |       |        |          |                     |                 |     |      |          |
| Conductivity                     | mS/cm | 0.20                | 0.002 | 0.0005 | 9710924  |                     |                 |     |      |          |
| Moisture                         | %     | 21                  | 1.0   | 0.50   | 9702319  | 20                  | 21              | 1.0 | 0.50 | 9702319  |
| Available (CaCl2) pH             | pH    | 7.90                |       |        | 9708125  |                     |                 |     |      |          |
| RDL = Reportable Detection Limit |       |                     |       |        |          |                     |                 |     |      |          |
| QC Batch = Quality Control Batch |       |                     |       |        |          |                     |                 |     |      |          |

|                                  |       |                 |       |        |          |
|----------------------------------|-------|-----------------|-------|--------|----------|
| Bureau Veritas ID                |       | AFSP28          |       |        |          |
| Sampling Date                    |       | 2024/10/09      |       |        |          |
| COC Number                       |       | C#1013277-01-01 |       |        |          |
|                                  | UNITS | DUP-2           | RDL   | MDL    | QC Batch |
| Calculated Parameters            |       |                 |       |        |          |
| Sodium Adsorption Ratio          | N/A   | 5.0             |       |        | 9700452  |
| Inorganics                       |       |                 |       |        |          |
| Conductivity                     | mS/cm | 0.19            | 0.002 | 0.0005 | 9710924  |
| Moisture                         | %     | 19              | 1.0   | 0.50   | 9702632  |
| Available (CaCl2) pH             | pH    | 7.84            |       |        | 9708125  |
| RDL = Reportable Detection Limit |       |                 |       |        |          |
| QC Batch = Quality Control Batch |       |                 |       |        |          |



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### GLYCOLS BY GC-FID (SOIL)

|                                  |              |                            |                 |            |            |                 |
|----------------------------------|--------------|----------------------------|-----------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>         |              | AFSP25                     | AFSP28          |            |            |                 |
| <b>Sampling Date</b>             |              | 2024/10/09<br>12:50        | 2024/10/09      |            |            |                 |
| <b>COC Number</b>                |              | C#1013277-01-01            | C#1013277-01-01 |            |            |                 |
|                                  | <b>UNITS</b> | <b>BH24-08_16.76-17.37</b> | <b>DUP-2</b>    | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>Glycols</b>                   |              |                            |                 |            |            |                 |
| Propylene Glycol                 | mg/kg        | <10                        | <10             | 10         | 2          | 9706526         |
| Ethylene Glycol                  | mg/kg        | <10                        | <10             | 10         | 2          | 9706526         |
| Diethylene Glycol                | mg/kg        | <10                        | <10             | 10         | 2          | 9706526         |
| Total Glycol                     | mg/kg        | <10                        | <10             | 10         | 2          | 9706526         |
| RDL = Reportable Detection Limit |              |                            |                 |            |            |                 |
| QC Batch = Quality Control Batch |              |                            |                 |            |            |                 |



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
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Your P.O. #: OTT2947  
Sampler Initials: MS

### ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

| Bureau Veritas ID                |       | AFSP13              | AFSP21              | AFSP25              |       |       |          |
|----------------------------------|-------|---------------------|---------------------|---------------------|-------|-------|----------|
| Sampling Date                    |       | 2024/10/10<br>09:40 | 2024/10/10<br>13:56 | 2024/10/09<br>12:50 |       |       |          |
| COC Number                       |       | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     |       |       |          |
|                                  | UNITS | BH24-04_6.09-6.70   | BH24-07_6.09-6.70   | BH24-08_16.76-17.37 | RDL   | MDL   | QC Batch |
| <b>Inorganics</b>                |       |                     |                     |                     |       |       |          |
| Chromium (VI)                    | ug/g  | <0.18               | <0.18               | <0.18               | 0.18  | 0.050 | 9709692  |
| <b>Metals</b>                    |       |                     |                     |                     |       |       |          |
| Hot Water Ext. Boron (B)         | ug/g  | <0.050              | 0.054               | 0.051               | 0.050 | 0.030 | 9707305  |
| Acid Extractable Antimony (Sb)   | ug/g  | <0.20               | <0.20               | <0.20               | 0.20  | 0.10  | 9709502  |
| Acid Extractable Arsenic (As)    | ug/g  | <1.0                | <1.0                | <1.0                | 1.0   | 0.10  | 9709502  |
| Acid Extractable Barium (Ba)     | ug/g  | 17                  | 15                  | 36                  | 0.50  | 0.30  | 9709502  |
| Acid Extractable Beryllium (Be)  | ug/g  | <0.20               | <0.20               | <0.20               | 0.20  | 0.020 | 9709502  |
| Acid Extractable Boron (B)       | ug/g  | <5.0                | <5.0                | <5.0                | 5.0   | 1.0   | 9709502  |
| Acid Extractable Cadmium (Cd)    | ug/g  | <0.10               | <0.10               | <0.10               | 0.10  | 0.030 | 9709502  |
| Acid Extractable Chromium (Cr)   | ug/g  | 5.7                 | 6.9                 | 11                  | 1.0   | 0.20  | 9709502  |
| Acid Extractable Cobalt (Co)     | ug/g  | 2.4                 | 2.8                 | 3.7                 | 0.10  | 0.020 | 9709502  |
| Acid Extractable Copper (Cu)     | ug/g  | 4.1                 | 5.2                 | 6.0                 | 0.50  | 0.20  | 9709502  |
| Acid Extractable Lead (Pb)       | ug/g  | 1.4                 | 1.7                 | 1.9                 | 1.0   | 0.10  | 9709502  |
| Acid Extractable Molybdenum (Mo) | ug/g  | <0.50               | <0.50               | <0.50               | 0.50  | 0.10  | 9709502  |
| Acid Extractable Nickel (Ni)     | ug/g  | 3.2                 | 3.9                 | 5.1                 | 0.50  | 0.20  | 9709502  |
| Acid Extractable Selenium (Se)   | ug/g  | <0.50               | <0.50               | <0.50               | 0.50  | 0.10  | 9709502  |
| Acid Extractable Silver (Ag)     | ug/g  | <0.20               | <0.20               | <0.20               | 0.20  | 0.040 | 9709502  |
| Acid Extractable Thallium (Tl)   | ug/g  | <0.050              | <0.050              | <0.050              | 0.050 | 0.010 | 9709502  |
| Acid Extractable Uranium (U)     | ug/g  | 0.40                | 0.45                | 0.62                | 0.050 | 0.030 | 9709502  |
| Acid Extractable Vanadium (V)    | ug/g  | 17                  | 21                  | 31                  | 5.0   | 0.50  | 9709502  |
| Acid Extractable Zinc (Zn)       | ug/g  | 6.7                 | 8.4                 | 10                  | 5.0   | 0.50  | 9709502  |
| Acid Extractable Mercury (Hg)    | ug/g  | <0.050              | <0.050              | <0.050              | 0.050 | 0.030 | 9709502  |
| RDL = Reportable Detection Limit |       |                     |                     |                     |       |       |          |
| QC Batch = Quality Control Batch |       |                     |                     |                     |       |       |          |



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

|                                  |              |                 |            |            |                 |
|----------------------------------|--------------|-----------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>         |              | AFSP28          |            |            |                 |
| <b>Sampling Date</b>             |              | 2024/10/09      |            |            |                 |
| <b>COC Number</b>                |              | C#1013277-01-01 |            |            |                 |
|                                  | <b>UNITS</b> | <b>DUP-2</b>    | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>Inorganics</b>                |              |                 |            |            |                 |
| Chromium (VI)                    | ug/g         | <0.18           | 0.18       | 0.050      | 9709692         |
| <b>Metals</b>                    |              |                 |            |            |                 |
| Hot Water Ext. Boron (B)         | ug/g         | 0.071           | 0.050      | 0.030      | 9707305         |
| Acid Extractable Antimony (Sb)   | ug/g         | <0.20           | 0.20       | 0.10       | 9709502         |
| Acid Extractable Arsenic (As)    | ug/g         | <1.0            | 1.0        | 0.10       | 9709502         |
| Acid Extractable Barium (Ba)     | ug/g         | 33              | 0.50       | 0.30       | 9709502         |
| Acid Extractable Beryllium (Be)  | ug/g         | <0.20           | 0.20       | 0.020      | 9709502         |
| Acid Extractable Boron (B)       | ug/g         | <5.0            | 5.0        | 1.0        | 9709502         |
| Acid Extractable Cadmium (Cd)    | ug/g         | <0.10           | 0.10       | 0.030      | 9709502         |
| Acid Extractable Chromium (Cr)   | ug/g         | 9.4             | 1.0        | 0.20       | 9709502         |
| Acid Extractable Cobalt (Co)     | ug/g         | 3.6             | 0.10       | 0.020      | 9709502         |
| Acid Extractable Copper (Cu)     | ug/g         | 5.8             | 0.50       | 0.20       | 9709502         |
| Acid Extractable Lead (Pb)       | ug/g         | 1.8             | 1.0        | 0.10       | 9709502         |
| Acid Extractable Molybdenum (Mo) | ug/g         | <0.50           | 0.50       | 0.10       | 9709502         |
| Acid Extractable Nickel (Ni)     | ug/g         | 4.8             | 0.50       | 0.20       | 9709502         |
| Acid Extractable Selenium (Se)   | ug/g         | <0.50           | 0.50       | 0.10       | 9709502         |
| Acid Extractable Silver (Ag)     | ug/g         | <0.20           | 0.20       | 0.040      | 9709502         |
| Acid Extractable Thallium (Tl)   | ug/g         | <0.050          | 0.050      | 0.010      | 9709502         |
| Acid Extractable Uranium (U)     | ug/g         | 0.62            | 0.050      | 0.030      | 9709502         |
| Acid Extractable Vanadium (V)    | ug/g         | 29              | 5.0        | 0.50       | 9709502         |
| Acid Extractable Zinc (Zn)       | ug/g         | 9.2             | 5.0        | 0.50       | 9709502         |
| Acid Extractable Mercury (Hg)    | ug/g         | <0.050          | 0.050      | 0.030      | 9709502         |
| RDL = Reportable Detection Limit |              |                 |            |            |                 |
| QC Batch = Quality Control Batch |              |                 |            |            |                 |



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

| Bureau Veritas ID                                                                            |       | AFSP18              | AFSP25              | AFSP28          |        |        |          |
|----------------------------------------------------------------------------------------------|-------|---------------------|---------------------|-----------------|--------|--------|----------|
| Sampling Date                                                                                |       | 2024/10/08<br>11:18 | 2024/10/09<br>12:50 | 2024/10/09      |        |        |          |
| COC Number                                                                                   |       | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01 |        |        |          |
|                                                                                              | UNITS | BH24-06_11.43-12.04 | BH24-08_16.76-17.37 | DUP-2           | RDL    | MDL    | QC Batch |
| <b>Calculated Parameters</b>                                                                 |       |                     |                     |                 |        |        |          |
| Methylnaphthalene, 2-(1-)                                                                    | ug/g  | <0.0071             | <0.0071             | <0.0071         | 0.0071 | N/A    | 9700742  |
| <b>Polyaromatic Hydrocarbons</b>                                                             |       |                     |                     |                 |        |        |          |
| Acenaphthene                                                                                 | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0020 | 9714037  |
| Acenaphthylene                                                                               | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0010 | 9714037  |
| Anthracene                                                                                   | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0010 | 9714037  |
| Benzo(a)anthracene                                                                           | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0020 | 9714037  |
| Benzo(a)pyrene                                                                               | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0010 | 9714037  |
| Benzo(b/j)fluoranthene                                                                       | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0020 | 9714037  |
| Benzo(g,h,i)perylene                                                                         | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0040 | 9714037  |
| Benzo(k)fluoranthene                                                                         | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0020 | 9714037  |
| Chrysene                                                                                     | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0020 | 9714037  |
| Dibenzo(a,h)anthracene                                                                       | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0040 | 9714037  |
| Fluoranthene                                                                                 | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0010 | 9714037  |
| Fluorene                                                                                     | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0010 | 9714037  |
| Indeno(1,2,3-cd)pyrene                                                                       | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0040 | 9714037  |
| 1-Methylnaphthalene                                                                          | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0010 | 9714037  |
| 2-Methylnaphthalene                                                                          | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0010 | 9714037  |
| Naphthalene                                                                                  | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0010 | 9714037  |
| Phenanthrene                                                                                 | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0010 | 9714037  |
| Pyrene                                                                                       | ug/g  | <0.0050             | <0.0050             | <0.0050         | 0.0050 | 0.0010 | 9714037  |
| <b>Surrogate Recovery (%)</b>                                                                |       |                     |                     |                 |        |        |          |
| D10-Anthracene                                                                               | %     | 121                 | 126                 | 123             |        |        | 9714037  |
| D14-Terphenyl (FS)                                                                           | %     | 100                 | 100                 | 101             |        |        | 9714037  |
| D8-Acenaphthylene                                                                            | %     | 74                  | 60                  | 66              |        |        | 9714037  |
| RDL = Reportable Detection Limit<br>QC Batch = Quality Control Batch<br>N/A = Not Applicable |       |                     |                     |                 |        |        |          |



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### PETROLEUM HYDROCARBONS (CCME)

| Bureau Veritas ID                 |       | AFSP09              | AFSP10              | AFSP11              | AFSP12              |       |       |          |
|-----------------------------------|-------|---------------------|---------------------|---------------------|---------------------|-------|-------|----------|
| Sampling Date                     |       | 2024/10/09<br>15:45 | 2024/10/10<br>12:30 | 2024/10/08<br>16:20 | 2024/10/10<br>09:20 |       |       |          |
| COC Number                        |       | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     |       |       |          |
|                                   | UNITS | BH24-01_6.09-6.7    | BH24-02_4.57-5.02   | BH24-03_6.09-6.7    | BH24-04_3.04-3.65   | RDL   | MDL   | QC Batch |
| <b>BTEX &amp; F1 Hydrocarbons</b> |       |                     |                     |                     |                     |       |       |          |
| Benzene                           | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9705921  |
| Toluene                           | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9705921  |
| Ethylbenzene                      | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9705921  |
| o-Xylene                          | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9705921  |
| p+m-Xylene                        | ug/g  | <0.040              | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9705921  |
| Total Xylenes                     | ug/g  | <0.040              | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9705921  |
| F1 (C6-C10)                       | ug/g  | <10                 | <10                 | <10                 | <10                 | 10    | 5.0   | 9705921  |
| F1 (C6-C10) - BTEX                | ug/g  | <10                 | <10                 | <10                 | <10                 | 10    | 5.0   | 9705921  |
| <b>F2-F4 Hydrocarbons</b>         |       |                     |                     |                     |                     |       |       |          |
| F2 (C10-C16 Hydrocarbons)         | ug/g  | <7.0                | <7.0                | <7.0                | <7.0                | 7.0   | 5.0   | 9708937  |
| F3 (C16-C34 Hydrocarbons)         | ug/g  | <50                 | <50                 | <50                 | <50                 | 50    | 5.0   | 9708937  |
| F4 (C34-C50 Hydrocarbons)         | ug/g  | <50                 | <50                 | <50                 | <50                 | 50    | 10    | 9708937  |
| Reached Baseline at C50           | ug/g  | Yes                 | Yes                 | Yes                 | Yes                 |       |       | 9708937  |
| <b>Surrogate Recovery (%)</b>     |       |                     |                     |                     |                     |       |       |          |
| 1,4-Difluorobenzene               | %     | 104                 | 104                 | 104                 | 103                 |       |       | 9705921  |
| 4-Bromofluorobenzene              | %     | 100                 | 90                  | 93                  | 102                 |       |       | 9705921  |
| D10-o-Xylene                      | %     | 108                 | 128                 | 113                 | 103                 |       |       | 9705921  |
| D4-1,2-Dichloroethane             | %     | 102                 | 109                 | 109                 | 105                 |       |       | 9705921  |
| o-Terphenyl                       | %     | 99                  | 99                  | 103                 | 102                 |       |       | 9708937  |
| RDL = Reportable Detection Limit  |       |                     |                     |                     |                     |       |       |          |
| QC Batch = Quality Control Batch  |       |                     |                     |                     |                     |       |       |          |



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### PETROLEUM HYDROCARBONS (CCME)

| Bureau Veritas ID                 |       | AFSP13              | AFSP15              | AFSP16              | AFSP18              |       |       |          |
|-----------------------------------|-------|---------------------|---------------------|---------------------|---------------------|-------|-------|----------|
| Sampling Date                     |       | 2024/10/10<br>09:40 | 2024/10/07<br>15:40 | 2024/10/08<br>16:20 | 2024/10/08<br>11:18 |       |       |          |
| COC Number                        |       | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     |       |       |          |
|                                   | UNITS | BH24-04_6.09-6.70   | BH24-05_6.09-6.70   | BH24-06_8.38-9.0    | BH24-06_11.43-12.04 | RDL   | MDL   | QC Batch |
| <b>BTEX &amp; F1 Hydrocarbons</b> |       |                     |                     |                     |                     |       |       |          |
| Benzene                           | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9705921  |
| Toluene                           | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9705921  |
| Ethylbenzene                      | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9705921  |
| o-Xylene                          | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9705921  |
| p+m-Xylene                        | ug/g  | <0.040              | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9705921  |
| Total Xylenes                     | ug/g  | <0.040              | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9705921  |
| F1 (C6-C10)                       | ug/g  | <10                 | <10                 | <10                 | <10                 | 10    | 5.0   | 9705921  |
| F1 (C6-C10) - BTEX                | ug/g  | <10                 | <10                 | <10                 | <10                 | 10    | 5.0   | 9705921  |
| <b>F2-F4 Hydrocarbons</b>         |       |                     |                     |                     |                     |       |       |          |
| F2 (C10-C16 Hydrocarbons)         | ug/g  | <7.0                | <7.0                | <7.0                | <7.0                | 7.0   | 5.0   | 9708937  |
| F3 (C16-C34 Hydrocarbons)         | ug/g  | <50                 | <50                 | <50                 | <50                 | 50    | 5.0   | 9708937  |
| F4 (C34-C50 Hydrocarbons)         | ug/g  | <50                 | <50                 | <50                 | <50                 | 50    | 10    | 9708937  |
| Reached Baseline at C50           | ug/g  | Yes                 | Yes                 | Yes                 | Yes                 |       |       | 9708937  |
| <b>Surrogate Recovery (%)</b>     |       |                     |                     |                     |                     |       |       |          |
| 1,4-Difluorobenzene               | %     | 104                 | 105                 | 104                 | 104                 |       |       | 9705921  |
| 4-Bromofluorobenzene              | %     | 98                  | 96                  | 95                  | 99                  |       |       | 9705921  |
| D10-o-Xylene                      | %     | 107                 | 105                 | 112                 | 97                  |       |       | 9705921  |
| D4-1,2-Dichloroethane             | %     | 106                 | 103                 | 104                 | 103                 |       |       | 9705921  |
| o-Terphenyl                       | %     | 101                 | 101                 | 97                  | 101                 |       |       | 9708937  |
| RDL = Reportable Detection Limit  |       |                     |                     |                     |                     |       |       |          |
| QC Batch = Quality Control Batch  |       |                     |                     |                     |                     |       |       |          |



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### PETROLEUM HYDROCARBONS (CCME)

| Bureau Veritas ID                 |       | AFSP19              | AFSP21              | AFSP22              | AFSP24              |       |       |          |
|-----------------------------------|-------|---------------------|---------------------|---------------------|---------------------|-------|-------|----------|
| Sampling Date                     |       | 2024/10/08<br>12:30 | 2024/10/10<br>13:56 | 2024/10/09<br>10:00 | 2024/10/09<br>11:10 |       |       |          |
| COC Number                        |       | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01     |       |       |          |
|                                   | UNITS | BH24-06_16-16.61    | BH24-07_6.09-6.70   | BH24-08_6.09-6.70   | BH24-08_11.43-12.04 | RDL   | MDL   | QC Batch |
| <b>BTEX &amp; F1 Hydrocarbons</b> |       |                     |                     |                     |                     |       |       |          |
| Benzene                           | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9705921  |
| Toluene                           | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9705921  |
| Ethylbenzene                      | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9705921  |
| o-Xylene                          | ug/g  | <0.020              | <0.020              | <0.020              | <0.020              | 0.020 | 0.020 | 9705921  |
| p+m-Xylene                        | ug/g  | <0.040              | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9705921  |
| Total Xylenes                     | ug/g  | <0.040              | <0.040              | <0.040              | <0.040              | 0.040 | 0.040 | 9705921  |
| F1 (C6-C10)                       | ug/g  | <10                 | <10                 | <10                 | <10                 | 10    | 5.0   | 9705921  |
| F1 (C6-C10) - BTEX                | ug/g  | <10                 | <10                 | <10                 | <10                 | 10    | 5.0   | 9705921  |
| <b>F2-F4 Hydrocarbons</b>         |       |                     |                     |                     |                     |       |       |          |
| F2 (C10-C16 Hydrocarbons)         | ug/g  | <7.0                | <7.0                | <7.0                | <7.0                | 7.0   | 5.0   | 9708937  |
| F3 (C16-C34 Hydrocarbons)         | ug/g  | <50                 | <50                 | <50                 | <50                 | 50    | 5.0   | 9708937  |
| F4 (C34-C50 Hydrocarbons)         | ug/g  | <50                 | <50                 | <50                 | <50                 | 50    | 10    | 9708937  |
| Reached Baseline at C50           | ug/g  | Yes                 | Yes                 | Yes                 | Yes                 |       |       | 9708937  |
| <b>Surrogate Recovery (%)</b>     |       |                     |                     |                     |                     |       |       |          |
| 1,4-Difluorobenzene               | %     | 104                 | 105                 | 106                 | 104                 |       |       | 9705921  |
| 4-Bromofluorobenzene              | %     | 92                  | 94                  | 96                  | 100                 |       |       | 9705921  |
| D10-o-Xylene                      | %     | 109                 | 123                 | 116                 | 116                 |       |       | 9705921  |
| D4-1,2-Dichloroethane             | %     | 102                 | 102                 | 103                 | 103                 |       |       | 9705921  |
| o-Terphenyl                       | %     | 104                 | 103                 | 98                  | 106                 |       |       | 9708937  |
| RDL = Reportable Detection Limit  |       |                     |                     |                     |                     |       |       |          |
| QC Batch = Quality Control Batch  |       |                     |                     |                     |                     |       |       |          |



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### PETROLEUM HYDROCARBONS (CCME)

| Bureau Veritas ID |       | AFSP25              | AFSP26              | AFSP27          | AFSP28          |     |     |          |
|-------------------|-------|---------------------|---------------------|-----------------|-----------------|-----|-----|----------|
| Sampling Date     |       | 2024/10/09<br>12:50 | 2024/10/10<br>11:15 | 2024/10/08      | 2024/10/09      |     |     |          |
| COC Number        |       | C#1013277-01-01     | C#1013277-01-01     | C#1013277-01-01 | C#1013277-01-01 |     |     |          |
|                   | UNITS | BH24-08_16.76-17.37 | BH24-09_6.85-7.45   | DUP-1           | DUP-2           | RDL | MDL | QC Batch |

| BTEX & F1 Hydrocarbons |      |        |        |        |        |       |       |         |
|------------------------|------|--------|--------|--------|--------|-------|-------|---------|
| Benzene                | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 0.020 | 9705921 |
| Toluene                | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 0.020 | 9705921 |
| Ethylbenzene           | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 0.020 | 9705921 |
| o-Xylene               | ug/g | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 0.020 | 9705921 |
| p+m-Xylene             | ug/g | <0.040 | <0.040 | <0.040 | <0.040 | 0.040 | 0.040 | 9705921 |
| Total Xylenes          | ug/g | <0.040 | <0.040 | <0.040 | <0.040 | 0.040 | 0.040 | 9705921 |
| F1 (C6-C10)            | ug/g | <10    | <10    | <10    | <10    | 10    | 5.0   | 9705921 |
| F1 (C6-C10) - BTEX     | ug/g | <10    | <10    | <10    | <10    | 10    | 5.0   | 9705921 |

| F2-F4 Hydrocarbons        |      |      |      |      |      |     |     |         |
|---------------------------|------|------|------|------|------|-----|-----|---------|
| F2 (C10-C16 Hydrocarbons) | ug/g | <7.0 | <7.0 | <7.0 | <7.0 | 7.0 | 5.0 | 9708937 |
| F3 (C16-C34 Hydrocarbons) | ug/g | <50  | <50  | <50  | <50  | 50  | 5.0 | 9708937 |
| F4 (C34-C50 Hydrocarbons) | ug/g | <50  | <50  | <50  | <50  | 50  | 10  | 9708937 |
| Reached Baseline at C50   | ug/g | Yes  | Yes  | Yes  | Yes  |     |     | 9708937 |

| Surrogate Recovery (%) |   |     |     |     |         |  |  |         |
|------------------------|---|-----|-----|-----|---------|--|--|---------|
| 1,4-Difluorobenzene    | % | 103 | 105 | 104 | 105     |  |  | 9705921 |
| 4-Bromofluorobenzene   | % | 100 | 88  | 88  | 98      |  |  | 9705921 |
| D10-o-Xylene           | % | 112 | 113 | 111 | 146 (1) |  |  | 9705921 |
| D4-1,2-Dichloroethane  | % | 106 | 105 | 104 | 104     |  |  | 9705921 |
| o-Terphenyl            | % | 102 | 103 | 103 | 103     |  |  | 9708937 |

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

(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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Your P.O. #: OTT2947  
Sampler Initials: MS

### GENERAL COMMENTS

Sample AFSP28 [DUP-2] : The recovery of the extraction surrogate compound was above the upper control limit. Visible loss of methanol was observed in this sample. As a result, there is an increased level of uncertainty.

**Results relate only to the items tested.**



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### QUALITY ASSURANCE REPORT

| QA/QC Batch | Init | QC Type                  | Parameter             | Date Analyzed | Value  | Recovery | UNITS | QC Limits |
|-------------|------|--------------------------|-----------------------|---------------|--------|----------|-------|-----------|
| 9701926     | MUC  | RPD [AFSP24-01]          | Moisture              | 2024/10/15    | 5.8    |          | %     | 20        |
| 9702319     | MUC  | RPD [AFSP18-01]          | Moisture              | 2024/10/15    | 4.3    |          | %     | 20        |
| 9702632     | MUC  | RPD                      | Moisture              | 2024/10/15    | 0      |          | %     | 20        |
| 9705921     | RGA  | Matrix Spike [AFSP09-03] | 1,4-Difluorobenzene   | 2024/10/17    |        | 102      | %     | 60 - 140  |
|             |      |                          | 4-Bromofluorobenzene  | 2024/10/17    |        | 105      | %     | 60 - 140  |
|             |      |                          | D10-o-Xylene          | 2024/10/17    |        | 93       | %     | 60 - 140  |
|             |      |                          | D4-1,2-Dichloroethane | 2024/10/17    |        | 98       | %     | 60 - 140  |
|             |      |                          | Benzene               | 2024/10/17    |        | 79       | %     | 50 - 140  |
|             |      |                          | Toluene               | 2024/10/17    |        | 75       | %     | 50 - 140  |
|             |      |                          | Ethylbenzene          | 2024/10/17    |        | 89       | %     | 50 - 140  |
|             |      |                          | o-Xylene              | 2024/10/17    |        | 87       | %     | 50 - 140  |
|             |      |                          | p+m-Xylene            | 2024/10/17    |        | 83       | %     | 50 - 140  |
|             |      |                          | F1 (C6-C10)           | 2024/10/17    |        | 86       | %     | 60 - 140  |
|             |      |                          | 1,4-Difluorobenzene   | 2024/10/17    |        | 102      | %     | 60 - 140  |
|             |      |                          | 4-Bromofluorobenzene  | 2024/10/17    |        | 104      | %     | 60 - 140  |
|             |      |                          | D10-o-Xylene          | 2024/10/17    |        | 88       | %     | 60 - 140  |
|             |      |                          | D4-1,2-Dichloroethane | 2024/10/17    |        | 98       | %     | 60 - 140  |
| 9705921     | RGA  | Spiked Blank             | Benzene               | 2024/10/17    |        | 75       | %     | 50 - 140  |
|             |      |                          | Toluene               | 2024/10/17    |        | 71       | %     | 50 - 140  |
|             |      |                          | Ethylbenzene          | 2024/10/17    |        | 85       | %     | 50 - 140  |
|             |      |                          | o-Xylene              | 2024/10/17    |        | 81       | %     | 50 - 140  |
|             |      |                          | p+m-Xylene            | 2024/10/17    |        | 78       | %     | 50 - 140  |
|             |      |                          | F1 (C6-C10)           | 2024/10/17    |        | 83       | %     | 80 - 120  |
|             |      |                          | 1,4-Difluorobenzene   | 2024/10/17    |        | 103      | %     | 60 - 140  |
|             |      |                          | 4-Bromofluorobenzene  | 2024/10/17    |        | 95       | %     | 60 - 140  |
|             |      |                          | D10-o-Xylene          | 2024/10/17    |        | 93       | %     | 60 - 140  |
|             |      |                          | D4-1,2-Dichloroethane | 2024/10/17    |        | 102      | %     | 60 - 140  |
|             |      |                          | Benzene               | 2024/10/17    | <0.020 |          | ug/g  |           |
|             |      |                          | Toluene               | 2024/10/17    | <0.020 |          | ug/g  |           |
|             |      |                          | Ethylbenzene          | 2024/10/17    | <0.020 |          | ug/g  |           |
|             |      |                          | o-Xylene              | 2024/10/17    | <0.020 |          | ug/g  |           |
| 9705921     | RGA  | Method Blank             | p+m-Xylene            | 2024/10/17    | <0.040 |          | ug/g  |           |
|             |      |                          | Total Xylenes         | 2024/10/17    | <0.040 |          | ug/g  |           |
|             |      |                          | F1 (C6-C10)           | 2024/10/17    | <10    |          | ug/g  |           |
|             |      |                          | F1 (C6-C10) - BTEX    | 2024/10/17    | <10    |          | ug/g  |           |
|             |      |                          | Benzene               | 2024/10/17    | NC     |          | %     | 50        |
|             |      |                          | Toluene               | 2024/10/17    | NC     |          | %     | 50        |
|             |      |                          | Ethylbenzene          | 2024/10/17    | NC     |          | %     | 50        |
|             |      |                          | o-Xylene              | 2024/10/17    | NC     |          | %     | 50        |
|             |      |                          | p+m-Xylene            | 2024/10/17    | NC     |          | %     | 50        |
|             |      |                          | Total Xylenes         | 2024/10/17    | NC     |          | %     | 50        |
|             |      |                          | F1 (C6-C10)           | 2024/10/17    | NC     |          | %     | 30        |
|             |      |                          | F1 (C6-C10) - BTEX    | 2024/10/17    | NC     |          | %     | 30        |
|             |      |                          | Propylene Glycol      | 2024/10/17    |        | 108      | %     | 60 - 140  |
|             |      |                          | Ethylene Glycol       | 2024/10/17    |        | 109      | %     | 60 - 140  |
| 9706526     | AGA  | Matrix Spike [AFSP28-01] | Diethylene Glycol     | 2024/10/17    |        | 107      | %     | 60 - 140  |
|             |      |                          | Propylene Glycol      | 2024/10/17    |        | 109      | %     | 60 - 140  |
|             |      |                          | Ethylene Glycol       | 2024/10/17    |        | 110      | %     | 60 - 140  |
| 9706526     | AGA  | Spiked Blank             | Diethylene Glycol     | 2024/10/17    |        | 110      | %     | 60 - 140  |
|             |      |                          | Propylene Glycol      | 2024/10/17    | <10    |          | mg/kg |           |
|             |      |                          | Ethylene Glycol       | 2024/10/17    | <10    |          | mg/kg |           |
| 9706526     | AGA  | Method Blank             | Diethylene Glycol     | 2024/10/17    | <10    |          | mg/kg |           |



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Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type                  | Parameter                         | Date Analyzed | Value  | Recovery | UNITS | QC Limits |
|-------------|------|--------------------------|-----------------------------------|---------------|--------|----------|-------|-----------|
| 9706526     | AGA  | RPD [AFSP28-01]          | Total Glycol                      | 2024/10/17    | <10    |          | mg/kg |           |
|             |      |                          | Propylene Glycol                  | 2024/10/17    | NC     |          | %     | 50        |
|             |      |                          | Ethylene Glycol                   | 2024/10/17    | NC     |          | %     | 50        |
|             |      |                          | Diethylene Glycol                 | 2024/10/17    | NC     |          | %     | 50        |
|             |      |                          | Total Glycol                      | 2024/10/17    | NC     |          | %     | 50        |
| 9707305     | JOH  | Matrix Spike             | Hot Water Ext. Boron (B)          | 2024/10/18    |        | 113      | %     | 75 - 125  |
| 9707305     | JOH  | Spiked Blank             | Hot Water Ext. Boron (B)          | 2024/10/18    |        | 104      | %     | 75 - 125  |
| 9707305     | JOH  | Method Blank             | Hot Water Ext. Boron (B)          | 2024/10/18    | <0.050 |          | ug/g  |           |
| 9707305     | JOH  | RPD                      | Hot Water Ext. Boron (B)          | 2024/10/18    | NC     |          | %     | 40        |
| 9708125     | KIT  | Spiked Blank             | Available (CaCl <sub>2</sub> ) pH | 2024/10/17    |        | 100      | %     | 97 - 103  |
| 9708125     | KIT  | RPD                      | Available (CaCl <sub>2</sub> ) pH | 2024/10/17    | 0.16   |          | %     | N/A       |
| 9708149     | JTS  | QC Standard              | Sieve - #200 (<0.075mm)           | 2024/10/18    |        | 55       | %     | 53 - 58   |
|             |      |                          | Sieve - #200 (>0.075mm)           | 2024/10/18    |        | 45       | %     | 42 - 47   |
|             |      |                          | Sieve - #200 (<0.075mm)           | 2024/10/18    | 0.16   |          | %     | 20        |
| 9708149     | JTS  | RPD                      | Sieve - #200 (>0.075mm)           | 2024/10/18    | 0.21   |          | %     | 20        |
|             |      |                          |                                   |               |        |          |       |           |
|             |      |                          |                                   |               |        |          |       |           |
|             |      |                          |                                   |               |        |          |       |           |
|             |      |                          |                                   |               |        |          |       |           |
| 9708937     | JJE  | Matrix Spike [AFSP24-01] | o-Terphenyl                       | 2024/10/22    |        | 109      | %     | 60 - 140  |
|             |      |                          | F2 (C10-C16 Hydrocarbons)         | 2024/10/22    |        | 107      | %     | 60 - 140  |
|             |      |                          | F3 (C16-C34 Hydrocarbons)         | 2024/10/22    |        | 109      | %     | 60 - 140  |
|             |      |                          | F4 (C34-C50 Hydrocarbons)         | 2024/10/22    |        | 107      | %     | 60 - 140  |
|             |      |                          |                                   |               |        |          |       |           |
| 9708937     | JJE  | Spiked Blank             | o-Terphenyl                       | 2024/10/22    |        | 98       | %     | 60 - 140  |
|             |      |                          | F2 (C10-C16 Hydrocarbons)         | 2024/10/22    |        | 100      | %     | 80 - 120  |
|             |      |                          | F3 (C16-C34 Hydrocarbons)         | 2024/10/22    |        | 105      | %     | 80 - 120  |
|             |      |                          | F4 (C34-C50 Hydrocarbons)         | 2024/10/22    |        | 101      | %     | 80 - 120  |
|             |      |                          |                                   |               |        |          |       |           |
| 9708937     | JJE  | Method Blank             | o-Terphenyl                       | 2024/10/22    |        | 99       | %     | 60 - 140  |
|             |      |                          | F2 (C10-C16 Hydrocarbons)         | 2024/10/22    | <7.0   |          | ug/g  |           |
|             |      |                          | F3 (C16-C34 Hydrocarbons)         | 2024/10/22    | <50    |          | ug/g  |           |
|             |      |                          | F4 (C34-C50 Hydrocarbons)         | 2024/10/22    | <50    |          | ug/g  |           |
|             |      |                          |                                   |               |        |          |       |           |
| 9708937     | JJE  | RPD [AFSP24-01]          | F2 (C10-C16 Hydrocarbons)         | 2024/10/22    | NC     |          | %     | 30        |
|             |      |                          | F3 (C16-C34 Hydrocarbons)         | 2024/10/22    | NC     |          | %     | 30        |
|             |      |                          | F4 (C34-C50 Hydrocarbons)         | 2024/10/22    | NC     |          | %     | 30        |
|             |      |                          |                                   |               |        |          |       |           |
|             |      |                          |                                   |               |        |          |       |           |
| 9709502     | DT1  | Matrix Spike             | Acid Extractable Antimony (Sb)    | 2024/10/18    |        | 108      | %     | 75 - 125  |
|             |      |                          | Acid Extractable Arsenic (As)     | 2024/10/18    |        | 98       | %     | 75 - 125  |
|             |      |                          | Acid Extractable Barium (Ba)      | 2024/10/18    |        | 94       | %     | 75 - 125  |
|             |      |                          | Acid Extractable Beryllium (Be)   | 2024/10/18    |        | 98       | %     | 75 - 125  |
|             |      |                          | Acid Extractable Boron (B)        | 2024/10/18    |        | 94       | %     | 75 - 125  |
|             |      |                          | Acid Extractable Cadmium (Cd)     | 2024/10/18    |        | 98       | %     | 75 - 125  |
|             |      |                          | Acid Extractable Chromium (Cr)    | 2024/10/18    |        | 104      | %     | 75 - 125  |
|             |      |                          | Acid Extractable Cobalt (Co)      | 2024/10/18    |        | 102      | %     | 75 - 125  |
|             |      |                          | Acid Extractable Copper (Cu)      | 2024/10/18    |        | 100      | %     | 75 - 125  |
|             |      |                          | Acid Extractable Lead (Pb)        | 2024/10/18    |        | 97       | %     | 75 - 125  |
|             |      |                          | Acid Extractable Molybdenum (Mo)  | 2024/10/18    |        | 98       | %     | 75 - 125  |
|             |      |                          | Acid Extractable Nickel (Ni)      | 2024/10/18    |        | 103      | %     | 75 - 125  |
|             |      |                          | Acid Extractable Selenium (Se)    | 2024/10/18    |        | 97       | %     | 75 - 125  |
|             |      |                          | Acid Extractable Silver (Ag)      | 2024/10/18    |        | 98       | %     | 75 - 125  |
|             |      |                          | Acid Extractable Thallium (Tl)    | 2024/10/18    |        | 100      | %     | 75 - 125  |
|             |      |                          | Acid Extractable Uranium (U)      | 2024/10/18    |        | 105      | %     | 75 - 125  |
|             |      |                          | Acid Extractable Vanadium (V)     | 2024/10/18    |        | 104      | %     | 75 - 125  |
|             |      |                          | Acid Extractable Zinc (Zn)        | 2024/10/18    |        | 104      | %     | 75 - 125  |
|             |      |                          | Acid Extractable Mercury (Hg)     | 2024/10/18    |        | 99       | %     | 75 - 125  |
|             |      |                          | Acid Extractable Antimony (Sb)    | 2024/10/18    |        | 110      | %     | 80 - 120  |
|             |      |                          | Acid Extractable Arsenic (As)     | 2024/10/18    |        | 103      | %     | 80 - 120  |
|             |      |                          | Acid Extractable Barium (Ba)      | 2024/10/18    |        | 98       | %     | 80 - 120  |



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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 Beryllium (Be)  | 2024/10/18    |        | 97       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Boron (B)       | 2024/10/18    |        | 93       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Cadmium (Cd)    | 2024/10/18    |        | 99       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Chromium (Cr)   | 2024/10/18    |        | 104      | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Cobalt (Co)     | 2024/10/18    |        | 104      | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Copper (Cu)     | 2024/10/18    |        | 101      | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Lead (Pb)       | 2024/10/18    |        | 102      | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Molybdenum (Mo) | 2024/10/18    |        | 96       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Nickel (Ni)     | 2024/10/18    |        | 108      | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Selenium (Se)   | 2024/10/18    |        | 101      | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Silver (Ag)     | 2024/10/18    |        | 99       | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Thallium (Tl)   | 2024/10/18    |        | 103      | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Uranium (U)     | 2024/10/18    |        | 105      | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Vanadium (V)    | 2024/10/18    |        | 104      | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Zinc (Zn)       | 2024/10/18    |        | 106      | %     | 80 - 120  |
|       |         |      |              | Acid Extractable Mercury (Hg)    | 2024/10/18    |        | 101      | %     | 80 - 120  |
|       | 9709502 | DT1  | Method Blank | Acid Extractable Antimony (Sb)   | 2024/10/18    | <0.20  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Arsenic (As)    | 2024/10/18    | <1.0   |          | ug/g  |           |
|       |         |      |              | Acid Extractable Barium (Ba)     | 2024/10/18    | <0.50  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Beryllium (Be)  | 2024/10/18    | <0.20  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Boron (B)       | 2024/10/18    | <5.0   |          | ug/g  |           |
|       |         |      |              | Acid Extractable Cadmium (Cd)    | 2024/10/18    | <0.10  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Chromium (Cr)   | 2024/10/18    | <1.0   |          | ug/g  |           |
|       |         |      |              | Acid Extractable Cobalt (Co)     | 2024/10/18    | <0.10  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Copper (Cu)     | 2024/10/18    | <0.50  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Lead (Pb)       | 2024/10/18    | <1.0   |          | ug/g  |           |
|       |         |      |              | Acid Extractable Molybdenum (Mo) | 2024/10/18    | <0.50  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Nickel (Ni)     | 2024/10/18    | <0.50  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Selenium (Se)   | 2024/10/18    | <0.50  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Silver (Ag)     | 2024/10/18    | <0.20  |          | ug/g  |           |
|       |         |      |              | Acid Extractable Thallium (Tl)   | 2024/10/18    | <0.050 |          | ug/g  |           |
|       |         |      |              | Acid Extractable Uranium (U)     | 2024/10/18    | <0.050 |          | ug/g  |           |
|       |         |      |              | Acid Extractable Vanadium (V)    | 2024/10/18    | <5.0   |          | ug/g  |           |
|       |         |      |              | Acid Extractable Zinc (Zn)       | 2024/10/18    | <5.0   |          | ug/g  |           |
|       |         |      |              | Acid Extractable Mercury (Hg)    | 2024/10/18    | <0.050 |          | ug/g  |           |
|       | 9709502 | DT1  | RPD          | Acid Extractable Antimony (Sb)   | 2024/10/18    | NC     |          | %     | 30        |
|       |         |      |              | Acid Extractable Arsenic (As)    | 2024/10/18    | NC     |          | %     | 30        |
|       |         |      |              | Acid Extractable Barium (Ba)     | 2024/10/18    | 0.050  |          | %     | 30        |
|       |         |      |              | Acid Extractable Beryllium (Be)  | 2024/10/18    | NC     |          | %     | 30        |
|       |         |      |              | Acid Extractable Boron (B)       | 2024/10/18    | NC     |          | %     | 30        |
|       |         |      |              | Acid Extractable Cadmium (Cd)    | 2024/10/18    | NC     |          | %     | 30        |
|       |         |      |              | Acid Extractable Chromium (Cr)   | 2024/10/18    | 1.9    |          | %     | 30        |
|       |         |      |              | Acid Extractable Cobalt (Co)     | 2024/10/18    | 0.48   |          | %     | 30        |
|       |         |      |              | Acid Extractable Copper (Cu)     | 2024/10/18    | 3.4    |          | %     | 30        |
|       |         |      |              | Acid Extractable Lead (Pb)       | 2024/10/18    | 2.0    |          | %     | 30        |
|       |         |      |              | Acid Extractable Molybdenum (Mo) | 2024/10/18    | NC     |          | %     | 30        |
|       |         |      |              | Acid Extractable Nickel (Ni)     | 2024/10/18    | 3.0    |          | %     | 30        |
|       |         |      |              | Acid Extractable Selenium (Se)   | 2024/10/18    | NC     |          | %     | 30        |
|       |         |      |              | Acid Extractable Silver (Ag)     | 2024/10/18    | NC     |          | %     | 30        |
|       |         |      |              | Acid Extractable Thallium (Tl)   | 2024/10/18    | NC     |          | %     | 30        |
|       |         |      |              | Acid Extractable Uranium (U)     | 2024/10/18    | 6.3    |          | %     | 30        |
|       |         |      |              | Acid Extractable Vanadium (V)    | 2024/10/18    | 0.58   |          | %     | 30        |



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type                  | Parameter                     | Date Analyzed | Value  | Recovery | UNITS | QC Limits |
|-------------|------|--------------------------|-------------------------------|---------------|--------|----------|-------|-----------|
|             |      |                          | Acid Extractable Zinc (Zn)    | 2024/10/18    | 0.62   |          | %     | 30        |
|             |      |                          | Acid Extractable Mercury (Hg) | 2024/10/18    | NC     |          | %     | 30        |
| 9709692     | RSU  | Matrix Spike             | Chromium (VI)                 | 2024/10/18    |        | 88       | %     | 70 - 130  |
| 9709692     | RSU  | Spiked Blank             | Chromium (VI)                 | 2024/10/18    |        | 92       | %     | 80 - 120  |
| 9709692     | RSU  | Method Blank             | Chromium (VI)                 | 2024/10/18    | <0.18  |          | ug/g  |           |
| 9709692     | RSU  | RPD                      | Chromium (VI)                 | 2024/10/18    | NC     |          | %     | 35        |
| 9710924     | KIT  | Spiked Blank             | Conductivity                  | 2024/10/18    |        | 103      | %     | 90 - 110  |
| 9710924     | KIT  | Method Blank             | Conductivity                  | 2024/10/18    | <0.002 |          | mS/cm |           |
| 9710924     | KIT  | RPD                      | Conductivity                  | 2024/10/18    | 1.3    |          | %     | 10        |
| 9714037     | JXI  | Matrix Spike [AFSP28-01] | D10-Anthracene                | 2024/10/21    |        | 111      | %     | 50 - 130  |
|             |      |                          | D14-Terphenyl (FS)            | 2024/10/21    |        | 90       | %     | 50 - 130  |
|             |      |                          | D8-Acenaphthylene             | 2024/10/21    |        | 73       | %     | 50 - 130  |
|             |      |                          | Acenaphthene                  | 2024/10/21    |        | 99       | %     | 50 - 130  |
|             |      |                          | Acenaphthylene                | 2024/10/21    |        | 90       | %     | 50 - 130  |
|             |      |                          | Anthracene                    | 2024/10/21    |        | 110      | %     | 50 - 130  |
|             |      |                          | Benzo(a)anthracene            | 2024/10/21    |        | 98       | %     | 50 - 130  |
|             |      |                          | Benzo(a)pyrene                | 2024/10/21    |        | 98       | %     | 50 - 130  |
|             |      |                          | Benzo(b/j)fluoranthene        | 2024/10/21    |        | 111      | %     | 50 - 130  |
|             |      |                          | Benzo(g,h,i)perylene          | 2024/10/21    |        | 92       | %     | 50 - 130  |
|             |      |                          | Benzo(k)fluoranthene          | 2024/10/21    |        | 85       | %     | 50 - 130  |
|             |      |                          | Chrysene                      | 2024/10/21    |        | 91       | %     | 50 - 130  |
|             |      |                          | Dibenzo(a,h)anthracene        | 2024/10/21    |        | 97       | %     | 50 - 130  |
|             |      |                          | Fluoranthene                  | 2024/10/21    |        | 105      | %     | 50 - 130  |
|             |      |                          | Fluorene                      | 2024/10/21    |        | 98       | %     | 50 - 130  |
|             |      |                          | Indeno(1,2,3-cd)pyrene        | 2024/10/21    |        | 92       | %     | 50 - 130  |
|             |      |                          | 1-Methylnaphthalene           | 2024/10/21    |        | 92       | %     | 50 - 130  |
|             |      |                          | 2-Methylnaphthalene           | 2024/10/21    |        | 85       | %     | 50 - 130  |
|             |      |                          | Naphthalene                   | 2024/10/21    |        | 83       | %     | 50 - 130  |
|             |      |                          | Phenanthrene                  | 2024/10/21    |        | 96       | %     | 50 - 130  |
|             |      |                          | Pyrene                        | 2024/10/21    |        | 111      | %     | 50 - 130  |
| 9714037     | JXI  | Spiked Blank             | D10-Anthracene                | 2024/10/21    |        | 102      | %     | 50 - 130  |
|             |      |                          | D14-Terphenyl (FS)            | 2024/10/21    |        | 90       | %     | 50 - 130  |
|             |      |                          | D8-Acenaphthylene             | 2024/10/21    |        | 85       | %     | 50 - 130  |
|             |      |                          | Acenaphthene                  | 2024/10/21    |        | 100      | %     | 50 - 130  |
|             |      |                          | Acenaphthylene                | 2024/10/21    |        | 95       | %     | 50 - 130  |
|             |      |                          | Anthracene                    | 2024/10/21    |        | 114      | %     | 50 - 130  |
|             |      |                          | Benzo(a)anthracene            | 2024/10/21    |        | 102      | %     | 50 - 130  |
|             |      |                          | Benzo(a)pyrene                | 2024/10/21    |        | 101      | %     | 50 - 130  |
|             |      |                          | Benzo(b/j)fluoranthene        | 2024/10/21    |        | 106      | %     | 50 - 130  |
|             |      |                          | Benzo(g,h,i)perylene          | 2024/10/21    |        | 95       | %     | 50 - 130  |
|             |      |                          | Benzo(k)fluoranthene          | 2024/10/21    |        | 99       | %     | 50 - 130  |
|             |      |                          | Chrysene                      | 2024/10/21    |        | 94       | %     | 50 - 130  |
|             |      |                          | Dibenzo(a,h)anthracene        | 2024/10/21    |        | 106      | %     | 50 - 130  |
|             |      |                          | Fluoranthene                  | 2024/10/21    |        | 104      | %     | 50 - 130  |
|             |      |                          | Fluorene                      | 2024/10/21    |        | 102      | %     | 50 - 130  |
|             |      |                          | Indeno(1,2,3-cd)pyrene        | 2024/10/21    |        | 92       | %     | 50 - 130  |
|             |      |                          | 1-Methylnaphthalene           | 2024/10/21    |        | 97       | %     | 50 - 130  |
|             |      |                          | 2-Methylnaphthalene           | 2024/10/21    |        | 93       | %     | 50 - 130  |
|             |      |                          | Naphthalene                   | 2024/10/21    |        | 96       | %     | 50 - 130  |
|             |      |                          | Phenanthrene                  | 2024/10/21    |        | 93       | %     | 50 - 130  |
|             |      |                          | Pyrene                        | 2024/10/21    |        | 110      | %     | 50 - 130  |
| 9714037     | JXI  | Method Blank             | D10-Anthracene                | 2024/10/21    |        | 117      | %     | 50 - 130  |



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC | Batch   | Init | QC Type         | Parameter              | Date Analyzed | Value   | Recovery | UNITS | QC Limits |
|-------|---------|------|-----------------|------------------------|---------------|---------|----------|-------|-----------|
|       |         |      |                 | D14-Terphenyl (FS)     | 2024/10/21    |         | 95       | %     | 50 - 130  |
|       |         |      |                 | D8-Acenaphthylene      | 2024/10/21    |         | 74       | %     | 50 - 130  |
|       |         |      |                 | Acenaphthene           | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Acenaphthylene         | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Anthracene             | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Benzo(a)anthracene     | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Benzo(a)pyrene         | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Benzo(b/j)fluoranthene | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Benzo(g,h,i)perylene   | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Benzo(k)fluoranthene   | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Chrysene               | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Dibenzo(a,h)anthracene | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Fluoranthene           | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Fluorene               | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Indeno(1,2,3-cd)pyrene | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | 1-Methylnaphthalene    | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | 2-Methylnaphthalene    | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Naphthalene            | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Phenanthrene           | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       |         |      |                 | Pyrene                 | 2024/10/21    | <0.0050 |          | ug/g  |           |
|       | 9714037 | JXI  | RPD [AFSP28-01] | Acenaphthene           | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Acenaphthylene         | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Anthracene             | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Benzo(a)anthracene     | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Benzo(a)pyrene         | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Benzo(b/j)fluoranthene | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Benzo(g,h,i)perylene   | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Benzo(k)fluoranthene   | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Chrysene               | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Dibenzo(a,h)anthracene | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Fluoranthene           | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Fluorene               | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Indeno(1,2,3-cd)pyrene | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | 1-Methylnaphthalene    | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | 2-Methylnaphthalene    | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Naphthalene            | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Phenanthrene           | 2024/10/21    | NC      |          | %     | 40        |
|       |         |      |                 | Pyrene                 | 2024/10/21    | NC      |          | %     | 40        |

N/A = Not Applicable

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

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

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

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

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

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

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



Bureau Veritas Job #: C4W1831  
Report Date: 2024/10/22

SLR Consulting (Canada) Ltd.  
Client Project #: OTT2947  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### VALIDATION SIGNATURE PAGE

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

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Cristina Carriere, Senior Scientific Specialist

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



Confirmation of Sample Receipt

Bureau Veritas Job Number: C4W1831  
Job Received: 2024/10/11  
Final Report Due: 2024/10/21  
Disposal Date: 2024/11/10

| Invoice Information                                                                                                                                                                              | Report Information                                                                                                                                 | Project Information                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Attn: Accounts Payable<br>SLR Consulting (Canada) Ltd.<br>#200 – 887 Great Northern Way<br>Vancouver, BC, V5T 4T5<br>Email to:<br>accountspayableca@slrconsulting.com<br>adang@slrconsulting.com | Attn: Matt Williamson<br>SLR Consulting (Canada) Ltd.<br>201-100 Stone Rd. W.<br>Guelph, ON, N1G 5L3<br>Email to:<br>mwilliamson@slrconsulting.com | Quote #: C41044<br>PO/AFE#: OTT2947<br>Project #: OTT2947<br>Site Location: SUNCOR 4000 RIVERSIDE DRIVE<br>OTTAWA<br>Site #: 35197<br>Sampled By: MS<br>Cost Object: C41044_V2 |

Analytical Summary

A: Due On 2024/10/21

| Lab ID               | Client Sample ID    | Sampling Date/Time | Matrix | # Cont. | O.Reg 153 Metals & Inorganics Pkg (Soil) | O.Reg 153 PAHs (Soil) | O.Reg 153 PHCs, BTEX/F1-F4 (Soil) | Glycols in Soil by GC-FID | Moisture | Sample on Hold | Sieve, 75um | Set Number |
|----------------------|---------------------|--------------------|--------|---------|------------------------------------------|-----------------------|-----------------------------------|---------------------------|----------|----------------|-------------|------------|
| COC# C#1013277-01-01 |                     |                    |        |         |                                          |                       |                                   |                           |          |                |             |            |
| AFSP09               | BH24-01_6.09-6.7    | 2024/10/09 15:45   | SOIL   | 4       |                                          |                       | A                                 |                           | A        |                |             | 1          |
| AFSP10               | BH24-02_4.57-5.02   | 2024/10/10 12:30   | SOIL   | 4       |                                          |                       | A                                 |                           | A        |                |             | 1          |
| AFSP11               | BH24-03_6.09-6.7    | 2024/10/08 16:20   | SOIL   | 4       |                                          |                       | A                                 |                           | A        |                |             | 1          |
| AFSP12               | BH24-04_3.04-3.65   | 2024/10/10 09:20   | SOIL   | 4       |                                          |                       | A                                 |                           | A        |                |             | 1          |
| AFSP13               | BH24-04_6.09-6.70   | 2024/10/10 09:40   | SOIL   | 4       | A                                        |                       | A                                 |                           | A        |                |             | 2          |
| AFSP14               | BH24-05_3.04-3.65   | 2024/10/07 15:00   | SOIL   | 4       |                                          |                       |                                   |                           |          | A              |             | 3          |
| AFSP15               | BH24-05_6.09-6.70   | 2024/10/07 15:40   | SOIL   | 4       |                                          |                       | A                                 |                           | A        |                |             | 1          |
| AFSP16               | BH24-06_8.38-9.0    | 2024/10/08 16:20   | SOIL   | 4       |                                          |                       | A                                 |                           | A        |                |             | 1          |
| AFSP17               | BH24-06_9.14-9.75   | 2024/10/08 10:45   | SOIL   | 1       |                                          |                       |                                   |                           |          |                | A           | 4          |
| AFSP18               | BH24-06_11.43-12.04 | 2024/10/08 11:18   | SOIL   | 4       |                                          | A                     | A                                 |                           | A        |                |             | 5          |
| AFSP19               | BH24-06_16-16.61    | 2024/10/08 12:30   | SOIL   | 4       |                                          |                       | A                                 |                           | A        |                |             | 1          |
| AFSP20               | BH24-06_16.76-17.38 | 2024/10/08 12:50   | SOIL   | 1       |                                          |                       |                                   |                           |          |                | A           | 4          |



Confirmation of Sample Receipt

Bureau Veritas Job Number: C4W1831  
Job Received: 2024/10/11  
Final Report Due: 2024/10/21  
Disposal Date: 2024/11/10

A: Due On 2024/10/21

| Lab ID               | Client Sample ID    | Sampling Date/Time | Matrix | # Cont. | O.Reg 153 Metals & Inorganics Pkg (Soil) | O.Reg 153 PAHs (Soil) | O.Reg 153 PHCs, BTEX/F1-F4 (Soil) | Glycols in Soil by GC-FID | Moisture | Sample on Hold | Sieve, 75um | Set Number |
|----------------------|---------------------|--------------------|--------|---------|------------------------------------------|-----------------------|-----------------------------------|---------------------------|----------|----------------|-------------|------------|
| COC# C#1013277-01-01 |                     |                    |        |         |                                          |                       |                                   |                           |          |                |             |            |
| AFSP21               | BH24-07_6.09-6.70   | 2024/10/10 13:56   | SOIL   | 4       | A                                        |                       | A                                 |                           | A        |                | A           | 6          |
| AFSP22               | BH24-08_6.09-6.70   | 2024/10/09 10:00   | SOIL   | 4       |                                          |                       | A                                 |                           | A        |                |             | 1          |
| AFSP23               | BH24-08_9.14-9.75   | 2024/10/09 10:35   | SOIL   | 4       |                                          |                       |                                   |                           |          | A              |             | 3          |
| AFSP24               | BH24-08_11.43-12.04 | 2024/10/09 11:10   | SOIL   | 4       |                                          |                       | A                                 |                           | A        |                |             | 1          |
| AFSP25               | BH24-08_16.76-17.37 | 2024/10/09 12:50   | SOIL   | 4       | A                                        | A                     | A                                 | A                         | A        |                |             | 7          |
| AFSP26               | BH24-09_6.85-7.45   | 2024/10/10 11:15   | SOIL   | 4       |                                          |                       | A                                 |                           | A        |                |             | 1          |
| AFSP27               | DUP-1               |                    | SOIL   | 4       |                                          |                       | A                                 |                           | A        |                |             | 1          |
| AFSP28               | DUP-2               |                    | SOIL   | 4       | A                                        | A                     | A                                 | A                         | A        |                |             | 7          |

Include Criteria on CofA: No

Sample Inspection Observations & Comments

# of Samples Received: 20  
Details: Sample(s) received in good condition.  
Average Temperature: Package 1: 6.7 °C  
Package 2: 9.3 °C

Additional Notes

- Unless special storage arrangements are made, all samples will be disposed 30 days after receipt. Additional fees may be applied for extended storage.
- Additional fees may be applied for the disposal of hazardous samples.

\*\*The contents of this report are subject to change. For up to date information, please refer to the Customer Portal.\*\*



Confirmation of Sample Receipt

Bureau Veritas Job Number: C4W1831  
Job Received: 2024/10/11  
Final Report Due: 2024/10/21  
Disposal Date: 2024/11/10

Sample Set Listing

| Set 1 (11 Samples)                                                                                                                                                                                                    | Set 2 (1 Sample)  | Set 3 (2 Samples)                      | Set 4 (2 Samples)                        | Set 5 (1 Sample)    | Set 6 (1 Sample)  | Set 7 (2 Samples)            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------|------------------------------------------|---------------------|-------------------|------------------------------|
| BH24-01_6.09-6.7<br>BH24-02_4.57-5.02<br>BH24-03_6.09-6.7<br>BH24-04_3.04-3.65<br>BH24-05_6.09-6.70<br>BH24-06_8.38-9.0<br>BH24-06_16-16.61<br>BH24-08_6.09-6.70<br>BH24-08_11.43-12.04<br>BH24-09_6.85-7.45<br>DUP-1 | BH24-04_6.09-6.70 | BH24-05_3.04-3.65<br>BH24-08_9.14-9.75 | BH24-06_9.14-9.75<br>BH24-06_16.76-17.38 | BH24-06_11.43-12.04 | BH24-07_6.09-6.70 | BH24-08_16.76-17.37<br>DUP-2 |

Parameter Summary

| Package/Test                             | Parameter                        | RDL   | Unit  | Set 1 | Set 2 | Set 3 | Set 4 | Set 5 | Set 6 | Set 7 |
|------------------------------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| O.Reg 153 Metals & Inorganics Pkg (Soil) | Acid Extractable Antimony (Sb)   | 0.2   | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Arsenic (As)    | 1     | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Barium (Ba)     | 0.5   | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Beryllium (Be)  | 0.2   | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Boron (B)       | 5     | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Cadmium (Cd)    | 0.1   | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Chromium (Cr)   | 1     | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Cobalt (Co)     | 0.1   | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Copper (Cu)     | 0.5   | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Lead (Pb)       | 1     | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Molybdenum (Mo) | 0.5   | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Nickel (Ni)     | 0.5   | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Selenium (Se)   | 0.5   | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Silver (Ag)     | 0.2   | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Thallium (Tl)   | 0.05  | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Uranium (U)     | 0.05  | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Vanadium (V)    | 5     | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Zinc (Zn)       | 5     | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Acid Extractable Mercury (Hg)    | 0.05  | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Conductivity                     | 0.002 | mS/cm |       | X     |       |       |       | X     | X     |
|                                          | Chromium (VI)                    | 0.18  | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Hot Water Ext. Boron (B)         | 0.05  | ug/g  |       | X     |       |       |       | X     | X     |
|                                          | Available (CaCl2) pH             | N/A   | pH    |       | X     |       |       |       | X     | X     |
|                                          | Sodium Adsorption Ratio          | N/A   | N/A   |       | X     |       |       |       | X     | X     |
| O.Reg 153 PAHs (Soil)                    | Methylnaphthalene, 2-(1-)        | 0.014 | ug/g  |       |       |       |       | X     |       | X     |
|                                          | Acenaphthene                     | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                          | Acenaphthylene                   | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                          | Anthracene                       | 0.005 | ug/g  |       |       |       |       | X     |       | X     |



## Confirmation of Sample Receipt

Bureau Veritas Job Number: C4W1831

Job Received: 2024/10/11

Final Report Due: 2024/10/21

Disposal Date: 2024/11/10

### Parameter Summary

| Package/Test                      | Parameter                 | RDL   | Unit  | Set 1 | Set 2 | Set 3 | Set 4 | Set 5 | Set 6 | Set 7 |
|-----------------------------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| O.Reg 153 PAHs (Soil)             | Benzo(a)anthracene        | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | Benzo(a)pyrene            | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | Benzo(b,j)fluoranthene    | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | Benzo(g,h,i)perylene      | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | Benzo(k)fluoranthene      | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | Chrysene                  | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | Dibenzo(a,h)anthracene    | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | Fluoranthene              | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | Fluorene                  | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | Indeno(1,2,3-cd)pyrene    | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | 1-Methylnaphthalene       | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | 2-Methylnaphthalene       | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | Naphthalene               | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | Phenanthrene              | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
|                                   | Pyrene                    | 0.005 | ug/g  |       |       |       |       | X     |       | X     |
| O.Reg 153 PHCs, BTEX/F1-F4 (Soil) | Benzene                   | 0.02  | ug/g  | X     | X     |       |       | X     | X     | X     |
|                                   | Toluene                   | 0.02  | ug/g  | X     | X     |       |       | X     | X     | X     |
|                                   | Ethylbenzene              | 0.02  | ug/g  | X     | X     |       |       | X     | X     | X     |
|                                   | o-Xylene                  | 0.02  | ug/g  | X     | X     |       |       | X     | X     | X     |
|                                   | p+m-Xylene                | 0.04  | ug/g  | X     | X     |       |       | X     | X     | X     |
|                                   | Total Xylenes             | 0.04  | ug/g  | X     | X     |       |       | X     | X     | X     |
|                                   | F1 (C6-C10)               | 10    | ug/g  | X     | X     |       |       | X     | X     | X     |
|                                   | F1 (C6-C10) - BTEX        | 10    | ug/g  | X     | X     |       |       | X     | X     | X     |
|                                   | F2 (C10-C16 Hydrocarbons) | 7     | ug/g  | X     | X     |       |       | X     | X     | X     |
|                                   | F3 (C16-C34 Hydrocarbons) | 50    | ug/g  | X     | X     |       |       | X     | X     | X     |
|                                   | F4 (C34-C50 Hydrocarbons) | 50    | ug/g  | X     | X     |       |       | X     | X     | X     |
|                                   | Reached Baseline at C50   | N/A   | ug/g  | X     | X     |       |       | X     | X     | X     |
| Glycols in Soil by GC-FID         | Propylene Glycol          | 10    | mg/kg |       |       |       |       |       |       | X     |
|                                   | Ethylene Glycol           | 10    | mg/kg |       |       |       |       |       |       | X     |
|                                   | Diethylene Glycol         | 10    | mg/kg |       |       |       |       |       |       | X     |
|                                   | Total Glycol              | 10    | mg/kg |       |       |       |       |       |       | X     |
| Moisture                          | Moisture                  | 1     | %     | X     | X     |       |       | X     | X     | X     |
| Sample on Hold                    | No Analysis               | N/A   |       |       |       | X     |       |       |       |       |
| Sieve, 75um                       | Grain Size                | N/A   | %     |       |       |       | X     |       | X     |       |
|                                   | Sieve - #200 (<0.075mm)   | 1     | %     |       |       |       | X     |       | X     |       |
|                                   | Sieve - #200 (>0.075mm)   | 1     | %     |       |       |       | X     |       | X     |       |

\*RDLs are subject to change based on interferences present at the time of analysis.

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

CHAIN OF CUSTODY RECORD

| INVOICE TO:                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                  | REPORT TO:                                                                                                                                                                                                                                                                                                                                                                                |              |                                | PROJECT INFORMATION:                                   |                                         |                  | Laboratory Use Only:                                    |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           |   |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------|--------------------------------------------------------|-----------------------------------------|------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|-------------------------------------------------------------------------------------------|---|--|
| Company Name: #39437 SLR Consulting (Canada) Ltd.                                                                                                                                                                                                                                                                                                                                                                               |  |                                  | Company Name: SLR Consulting (Canada) Ltd.                                                                                                                                                                                                                                                                                                                                                |              |                                | Quotation #: C41044                                    |                                         |                  | Bureau Veritas Job #:                                   |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           |   |  |
| Attention: Accounts Payable                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                  | Attention: Matt Williamson                                                                                                                                                                                                                                                                                                                                                                |              |                                | P.O. #: OTT2947                                        |                                         |                  | Bottle Order #:                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           |   |  |
| Address: #200 - 887 Great Northern Way<br>Vancouver BC V5T 4T5                                                                                                                                                                                                                                                                                                                                                                  |  |                                  | Address: 100 Stone Road West Suite 401<br>Guelph ON N1G 5L3                                                                                                                                                                                                                                                                                                                               |              |                                | Project: OTT2947                                       |                                         |                  | 1013277                                                 |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           |   |  |
| Tel: (604) 738-2500 Fax: (604) 738-2542                                                                                                                                                                                                                                                                                                                                                                                         |  |                                  | Tel: 226-786-8080 Fax:                                                                                                                                                                                                                                                                                                                                                                    |              |                                | Project Name: Suncoast 4000 Riverside Drive Ottawa     |                                         |                  | COC #:                                                  |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           |   |  |
| Email: accounts.payable@slrconsulting.com; adang@slrcons                                                                                                                                                                                                                                                                                                                                                                        |  |                                  | Email: mwilliamson@slrconsulting.com                                                                                                                                                                                                                                                                                                                                                      |              |                                | Site #: 35197                                          |                                         |                  | Project Manager:                                        |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                  |                                                                                                                                                                                                                                                                                                                                                                                           |              |                                | Sampled By: MS                                         |                                         |                  | Keshani Viji                                            |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           |   |  |
| MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY                                                                                                                                                                                                                                                                                    |  |                                  |                                                                                                                                                                                                                                                                                                                                                                                           |              |                                |                                                        | ANALYSIS REQUESTED (PLEASE BE SPECIFIC) |                  |                                                         | Turnaround Time (TAT) Required:<br>Please provide advance notice for rush projects                                                                       |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           |   |  |
| <b>Regulation 153 (2011)</b><br><input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Medium/Fine<br><input type="checkbox"/> Table 2 <input checked="" type="checkbox"/> Ind/Comm <input checked="" type="checkbox"/> Coarse<br><input checked="" type="checkbox"/> Table 3 <input type="checkbox"/> Agri/Other <input type="checkbox"/> For RSC<br><input type="checkbox"/> Table _____ |  |                                  | <b>Other Regulations</b><br><input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw<br><input type="checkbox"/> Reg 558 <input type="checkbox"/> Storm Sewer Bylaw<br><input type="checkbox"/> MISA <input type="checkbox"/> Municipality _____<br><input type="checkbox"/> PWQO <input type="checkbox"/> Reg 406 Table _____<br><input type="checkbox"/> Other _____ |              |                                | <b>Special Instructions</b><br>_____<br>_____<br>_____ |                                         |                  | Field Filtered (please circle):<br>Metals / Hg / Cr / V |                                                                                                                                                          |      | Regular (Standard) TAT:<br>(will be applied if Rush TAT is not specified):<br>Standard TAT = 5-7 Working days for most tests.<br>Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details. |                           |            |                                                                                           |   |  |
| Include Criteria on Certificate of Analysis (Y/N)? <u>N</u>                                                                                                                                                                                                                                                                                                                                                                     |  |                                  |                                                                                                                                                                                                                                                                                                                                                                                           |              |                                |                                                        |                                         |                  |                                                         | Job Specific Rush TAT (if applies to entire submission)<br>Date Required: _____ Time Required: _____<br>Rush Confirmation Number: _____ (call lab for #) |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           |   |  |
| Sample Barcode Label                                                                                                                                                                                                                                                                                                                                                                                                            |  | Sample (Location) Identification |                                                                                                                                                                                                                                                                                                                                                                                           | Date Sampled | Time Sampled                   | Matrix                                                 |                                         |                  |                                                         | # of Bottles                                                                                                                                             |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           |   |  |
| 1 N/A                                                                                                                                                                                                                                                                                                                                                                                                                           |  | BH24-01-6.09-6.7                 |                                                                                                                                                                                                                                                                                                                                                                                           | 2024/10/09   | 15:45                          | Soil                                                   | No                                      | VOCS             | BTEX                                                    | FI-F4                                                                                                                                                    | PAHs | Metals/Inorganics (exclude CN-)                                                                                                                                                                                                                                      | Glycols                   | Grain Size | TCLP                                                                                      | 4 |  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                               |  | BH24-02-4.57-5.02                |                                                                                                                                                                                                                                                                                                                                                                                           | 2024/10/09   | 12:30                          |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           | 4 |  |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                               |  | BH24-03-6.09-6.7                 |                                                                                                                                                                                                                                                                                                                                                                                           | 2024/10/08   | 16:20                          |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           | 4 |  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                               |  | BH24-04-3.04-3.65                |                                                                                                                                                                                                                                                                                                                                                                                           | 2024/10/10   | 9:20                           |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           | 4 |  |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                               |  | BH24-04-6.09-6.70                |                                                                                                                                                                                                                                                                                                                                                                                           | 2024/10/10   | 9:40                           |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           | 4 |  |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                               |  | BH24-05-3.04-3.65                |                                                                                                                                                                                                                                                                                                                                                                                           | 2024/10/07   | 15:00                          |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           | 4 |  |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                               |  | BH24-05-6.07-6.70                |                                                                                                                                                                                                                                                                                                                                                                                           | 2024/10/07   | 15:40                          |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           | 4 |  |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                               |  | BH24-06-8.38-9.0                 |                                                                                                                                                                                                                                                                                                                                                                                           | 2024/10/08   | 16:20                          |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           | 4 |  |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                               |  | BH24-06-9.14-9.75                |                                                                                                                                                                                                                                                                                                                                                                                           | 2024/10/08   | 10:45                          |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           | 1 |  |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                              |  | BH24-06-11.43-12.04              |                                                                                                                                                                                                                                                                                                                                                                                           | 2024/10/08   | 11:18                          |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            |                                                                                           | 4 |  |
| * RELINQUISHED BY: (Signature/Print)                                                                                                                                                                                                                                                                                                                                                                                            |  |                                  | Date: (YY/MM/DD)                                                                                                                                                                                                                                                                                                                                                                          | Time         | RECEIVED BY: (Signature/Print) |                                                        |                                         | Date: (YY/MM/DD) | Time                                                    | # jars used and not submitted                                                                                                                            |      |                                                                                                                                                                                                                                                                      | Laboratory Use Only       |            |                                                                                           |   |  |
| Melanie St Cyr                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                  | 24/10/11                                                                                                                                                                                                                                                                                                                                                                                  | 12:15        | Keshani Viji                   |                                                        |                                         | 2024/10/11       | 13:52                                                   |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      | Time Sensitive            |            |                                                                                           |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                  |                                                                                                                                                                                                                                                                                                                                                                                           |              |                                |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      | Temperature (°C) on Recci |            |                                                                                           |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                  |                                                                                                                                                                                                                                                                                                                                                                                           |              |                                |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      | Custody Seal              |            |                                                                                           |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                  |                                                                                                                                                                                                                                                                                                                                                                                           |              |                                |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      | Present                   |            |                                                                                           |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                  |                                                                                                                                                                                                                                                                                                                                                                                           |              |                                |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      | Intact                    |            |                                                                                           |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                  |                                                                                                                                                                                                                                                                                                                                                                                           |              |                                |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      | Yes                       |            |                                                                                           |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                  |                                                                                                                                                                                                                                                                                                                                                                                           |              |                                |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      | No                        |            |                                                                                           |   |  |
| * UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/COCS-TERMS-AND-CONDITIONS.                                                                          |  |                                  |                                                                                                                                                                                                                                                                                                                                                                                           |              |                                |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            | White: Bureau Veritas Yellow: Client                                                      |   |  |
| * IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.                                                                                                                                                                                                                                                       |  |                                  |                                                                                                                                                                                                                                                                                                                                                                                           |              |                                |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            | SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS |   |  |
| ** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/CHAIN-CUSTODY-FORMS-COCS.                                                                                                                                                                                                                                                               |  |                                  |                                                                                                                                                                                                                                                                                                                                                                                           |              |                                |                                                        |                                         |                  |                                                         |                                                                                                                                                          |      |                                                                                                                                                                                                                                                                      |                           |            | 5/0/1 3/4/4                                                                               |   |  |





**Attention: Matt Williamson**

SLR Consulting (Canada) Ltd.  
Suncor  
#200 – 887 Great Northern Way  
Vancouver, BC  
CANADA V5T 4T5

Your P.O. #: OTT2947  
Your Project #: 216.030059.00002  
Site#: 4000 Riverside Drive  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your C.O.C. #: C#1017617-01-01

**Report Date: 2024/10/25**  
Report #: R8377714  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C4W8659**

**Received: 2024/10/18, 15:45**

Sample Matrix: Water  
# Samples Received: 5

| Analyses                                     | Date     |            | Date Analyzed | Laboratory Method | Analytical Method |
|----------------------------------------------|----------|------------|---------------|-------------------|-------------------|
|                                              | Quantity | Extracted  |               |                   |                   |
| Methylnaphthalene Sum (1)                    | 4        | N/A        | 2024/10/25    | CAM SOP-00301     | EPA 8270D m       |
| 1,3-Dichloropropene Sum (1)                  | 5        | N/A        | 2024/10/25    |                   | EPA 8260C m       |
| Chloride by Automated Colourimetry (1)       | 3        | N/A        | 2024/10/24    | CAM SOP-00463     | SM 24 4500-Cl E m |
| Chloride by Automated Colourimetry (1)       | 1        | N/A        | 2024/10/25    | CAM SOP-00463     | SM 24 4500-Cl E m |
| Chromium (VI) in Water (1)                   | 4        | N/A        | 2024/10/23    | CAM SOP-00436     | EPA 7199 m        |
| Petroleum Hydrocarbons F2-F4 in Water (1, 2) | 5        | 2024/10/24 | 2024/10/24    | CAM SOP-00316     | CCME PHC-CWS m    |
| Glycols in Water by GC/FID (1)               | 4        | N/A        | 2024/10/22    | CAM SOP-00322     | based on EPA 8015 |
| Mercury (1)                                  | 4        | 2024/10/23 | 2024/10/23    | CAM SOP-00453     | EPA 7470A m       |
| Dissolved Metals by ICPMS (1)                | 4        | N/A        | 2024/10/23    | CAM SOP-00447     | EPA 6020B m       |
| PAH Compounds in Water by GC/MS (SIM) (1)    | 4        | 2024/10/24 | 2024/10/24    | CAM SOP-00318     | EPA 8270E         |
| Volatile Organic Compounds and F1 PHCs (1)   | 5        | N/A        | 2024/10/24    | CAM SOP-00230     | EPA 8260C m       |

**Remarks:**

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

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

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

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

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

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

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

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



**Attention: Matt Williamson**

SLR Consulting (Canada) Ltd.  
Suncor  
#200 – 887 Great Northern Way  
Vancouver, BC  
CANADA V5T 4T5

Your P.O. #: OTT2947  
Your Project #: 216.030059.00002  
Site#: 4000 Riverside Drive  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your C.O.C. #: C#1017617-01-01

**Report Date: 2024/10/25**  
Report #: R8377714  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C4W8659**

**Received: 2024/10/18, 15:45**

- (1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8  
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key



**AUTHORIZED REPORT  
RAPPORT AUTORISÉ**

Bureau Veritas

25 Oct 2024 17:38:28

Please direct all questions regarding this Certificate of Analysis to:

Keshani Vijh, Sr. Project Manager  
Email: keshani.vijh@bureauveritas.com  
Phone# (613) 274-0573

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



Bureau Veritas Job #: C4W8659  
Report Date: 2024/10/25

SLR Consulting (Canada) Ltd.  
Client Project #: 216.030059.00002  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### RESULTS OF ANALYSES OF WATER

|                                  |              |                     |            |            |                 |                     |            |            |                 |
|----------------------------------|--------------|---------------------|------------|------------|-----------------|---------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>         |              | AGHS11              |            |            |                 | AGHS12              |            |            |                 |
| <b>Sampling Date</b>             |              | 2024/10/18<br>13:20 |            |            |                 | 2024/10/18<br>11:00 |            |            |                 |
| <b>COC Number</b>                |              | C#1017617-01-01     |            |            |                 | C#1017617-01-01     |            |            |                 |
|                                  | <b>UNITS</b> | <b>MW24-06</b>      | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> | <b>MW24-08</b>      | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>Inorganics</b>                |              |                     |            |            |                 |                     |            |            |                 |
| Dissolved Chloride (Cl-)         | mg/L         | 850                 | 20         | 13         | 9719537         | 470                 | 5.0        | 3.3        | 9720591         |
| RDL = Reportable Detection Limit |              |                     |            |            |                 |                     |            |            |                 |
| QC Batch = Quality Control Batch |              |                     |            |            |                 |                     |            |            |                 |

|                                  |              |                 |            |            |                    |                     |            |                 |  |
|----------------------------------|--------------|-----------------|------------|------------|--------------------|---------------------|------------|-----------------|--|
| <b>Bureau Veritas ID</b>         |              | AGHS13          |            |            |                    | AGHS14              |            |                 |  |
| <b>Sampling Date</b>             |              | 2024/10/18      |            |            |                    | 2024/10/18<br>13:00 |            |                 |  |
| <b>COC Number</b>                |              | C#1017617-01-01 |            |            |                    | C#1017617-01-01     |            |                 |  |
|                                  | <b>UNITS</b> | <b>DUP-1</b>    | <b>RDL</b> | <b>MDL</b> | <b>FIELD BLANK</b> | <b>RDL</b>          | <b>MDL</b> | <b>QC Batch</b> |  |
| <b>Inorganics</b>                |              |                 |            |            |                    |                     |            |                 |  |
| Dissolved Chloride (Cl-)         | mg/L         | 480             | 4.0        | 2.6        | <1.0               | 1.0                 | 0.66       | 9719537         |  |
| RDL = Reportable Detection Limit |              |                 |            |            |                    |                     |            |                 |  |
| QC Batch = Quality Control Batch |              |                 |            |            |                    |                     |            |                 |  |



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**GLYCOLS BY GC-FID (WATER)**

|                                  |              |                     |                     |                 |                     |            |            |                 |
|----------------------------------|--------------|---------------------|---------------------|-----------------|---------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>         |              | AGHS11              | AGHS12              | AGHS13          | AGHS14              |            |            |                 |
| <b>Sampling Date</b>             |              | 2024/10/18<br>13:20 | 2024/10/18<br>11:00 | 2024/10/18      | 2024/10/18<br>13:00 |            |            |                 |
| <b>COC Number</b>                |              | C#1017617-01-01     | C#1017617-01-01     | C#1017617-01-01 | C#1017617-01-01     |            |            |                 |
|                                  | <b>UNITS</b> | <b>MW24-06</b>      | <b>MW24-08</b>      | <b>DUP-1</b>    | <b>FIELD BLANK</b>  | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>Glycols</b>                   |              |                     |                     |                 |                     |            |            |                 |
| Propylene Glycol                 | mg/L         | <5                  | <5                  | <5              | <5                  | 5          | 1          | 9716083         |
| Ethylene Glycol                  | mg/L         | <5                  | <5                  | <5              | <5                  | 5          | 1          | 9716083         |
| Diethylene Glycol                | mg/L         | <5                  | <5                  | <5              | <5                  | 5          | 1          | 9716083         |
| Total Glycol                     | mg/L         | <5                  | <5                  | <5              | <5                  | 5          | 1          | 9716083         |
| RDL = Reportable Detection Limit |              |                     |                     |                 |                     |            |            |                 |
| QC Batch = Quality Control Batch |              |                     |                     |                 |                     |            |            |                 |



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### ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

| Bureau Veritas ID |       | AGHS11              | AGHS12              | AGHS13          | AGHS14              |     |     |          |
|-------------------|-------|---------------------|---------------------|-----------------|---------------------|-----|-----|----------|
| Sampling Date     |       | 2024/10/18<br>13:20 | 2024/10/18<br>11:00 | 2024/10/18      | 2024/10/18<br>13:00 |     |     |          |
| COC Number        |       | C#1017617-01-01     | C#1017617-01-01     | C#1017617-01-01 | C#1017617-01-01     |     |     |          |
|                   | UNITS | MW24-06             | MW24-08             | DUP-1           | FIELD BLANK         | RDL | MDL | QC Batch |

| Metals                    |      |        |        |        |        |       |       |         |
|---------------------------|------|--------|--------|--------|--------|-------|-------|---------|
| Chromium (VI)             | ug/L | 0.70   | 0.91   | 0.89   | <0.50  | 0.50  | 0.30  | 9718601 |
| Mercury (Hg)              | ug/L | <0.10  | <0.10  | <0.10  | <0.10  | 0.10  | 0.020 | 9719252 |
| Dissolved Antimony (Sb)   | ug/L | <0.50  | <0.50  | <0.50  | <0.50  | 0.50  | 0.20  | 9715987 |
| Dissolved Arsenic (As)    | ug/L | <1.0   | <1.0   | <1.0   | <1.0   | 1.0   | 0.10  | 9715987 |
| Dissolved Barium (Ba)     | ug/L | 200    | 54     | 54     | <2.0   | 2.0   | 0.30  | 9715987 |
| Dissolved Beryllium (Be)  | ug/L | <0.40  | <0.40  | <0.40  | <0.40  | 0.40  | 0.050 | 9715987 |
| Dissolved Boron (B)       | ug/L | 18     | 15     | 15     | <10    | 10    | 0.60  | 9715987 |
| Dissolved Cadmium (Cd)    | ug/L | <0.090 | <0.090 | <0.090 | <0.090 | 0.090 | 0.090 | 9715987 |
| Dissolved Chromium (Cr)   | ug/L | <5.0   | <5.0   | <5.0   | <5.0   | 5.0   | 0.70  | 9715987 |
| Dissolved Cobalt (Co)     | ug/L | <0.50  | <0.50  | <0.50  | <0.50  | 0.50  | 0.040 | 9715987 |
| Dissolved Copper (Cu)     | ug/L | <0.90  | 1.1    | <0.90  | <0.90  | 0.90  | 0.30  | 9715987 |
| Dissolved Lead (Pb)       | ug/L | <0.50  | <0.50  | <0.50  | <0.50  | 0.50  | 0.050 | 9715987 |
| Dissolved Molybdenum (Mo) | ug/L | 0.71   | 0.89   | 0.86   | <0.50  | 0.50  | 0.070 | 9715987 |
| Dissolved Nickel (Ni)     | ug/L | <1.0   | <1.0   | <1.0   | <1.0   | 1.0   | 0.40  | 9715987 |
| Dissolved Selenium (Se)   | ug/L | <2.0   | <2.0   | <2.0   | <2.0   | 2.0   | 0.20  | 9715987 |
| Dissolved Silver (Ag)     | ug/L | <0.090 | <0.090 | <0.090 | <0.090 | 0.090 | 0.020 | 9715987 |
| Dissolved Sodium (Na)     | ug/L | 600000 | 450000 | 470000 | <100   | 100   | 20    | 9715987 |
| Dissolved Thallium (Tl)   | ug/L | <0.050 | <0.050 | <0.050 | <0.050 | 0.050 | 0.020 | 9715987 |
| Dissolved Uranium (U)     | ug/L | 0.67   | 0.62   | 0.63   | <0.10  | 0.10  | 0.010 | 9715987 |
| Dissolved Vanadium (V)    | ug/L | 0.64   | 0.86   | 0.90   | <0.50  | 0.50  | 0.090 | 9715987 |
| Dissolved Zinc (Zn)       | ug/L | <5.0   | <5.0   | <5.0   | <5.0   | 5.0   | 1.0   | 9715987 |

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



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Your P.O. #: OTT2947  
Sampler Initials: MS

### SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

| Bureau Veritas ID |       | AGHS11              | AGHS12              | AGHS13          | AGHS14              |     |     |          |
|-------------------|-------|---------------------|---------------------|-----------------|---------------------|-----|-----|----------|
| Sampling Date     |       | 2024/10/18<br>13:20 | 2024/10/18<br>11:00 | 2024/10/18      | 2024/10/18<br>13:00 |     |     |          |
| COC Number        |       | C#1017617-01-01     | C#1017617-01-01     | C#1017617-01-01 | C#1017617-01-01     |     |     |          |
|                   | UNITS | MW24-06             | MW24-08             | DUP-1           | FIELD BLANK         | RDL | MDL | QC Batch |

| Calculated Parameters     |      |         |         |         |         |        |        |         |
|---------------------------|------|---------|---------|---------|---------|--------|--------|---------|
| Methylnaphthalene, 2-(1-) | ug/L | <0.071  | <0.071  | <0.071  | <0.071  | 0.071  | N/A    | 9713473 |
| Polyaromatic Hydrocarbons |      |         |         |         |         |        |        |         |
| Acenaphthene              | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Acenaphthylene            | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Anthracene                | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Benzo(a)anthracene        | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Benzo(a)pyrene            | ug/L | <0.0090 | <0.0090 | <0.0090 | <0.0090 | 0.0090 | 0.0030 | 9721118 |
| Benzo(b,j)fluoranthene    | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Benzo(g,h,i)perylene      | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Benzo(k)fluoranthene      | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Chrysene                  | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Dibenzo(a,h)anthracene    | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Fluoranthene              | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Fluorene                  | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Indeno(1,2,3-cd)pyrene    | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| 1-Methylnaphthalene       | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| 2-Methylnaphthalene       | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Naphthalene               | ug/L | 0.085   | 0.098   | 0.085   | <0.050  | 0.050  | 0.0030 | 9721118 |
| Phenanthrene              | ug/L | <0.030  | <0.030  | <0.030  | <0.030  | 0.030  | 0.0030 | 9721118 |
| Pyrene                    | ug/L | <0.050  | <0.050  | <0.050  | <0.050  | 0.050  | 0.0030 | 9721118 |
| Surrogate Recovery (%)    |      |         |         |         |         |        |        |         |
| D10-Anthracene            | %    | 108     | 104     | 97      | 109     |        |        | 9721118 |
| D14-Terphenyl (FS)        | %    | 106     | 103     | 93      | 111     |        |        | 9721118 |
| D8-Acenaphthylene         | %    | 102     | 97      | 91      | 103     |        |        | 9721118 |

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

N/A = Not Applicable



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Your P.O. #: OTT2947  
Sampler Initials: MS

### VOLATILE ORGANICS BY GC/MS (WATER)

| Bureau Veritas ID                   |       | AGHS11              | AGHS12              | AGHS13          | AGHS14              |      |       |          |
|-------------------------------------|-------|---------------------|---------------------|-----------------|---------------------|------|-------|----------|
| Sampling Date                       |       | 2024/10/18<br>13:20 | 2024/10/18<br>11:00 | 2024/10/18      | 2024/10/18<br>13:00 |      |       |          |
| COC Number                          |       | C#1017617-01-01     | C#1017617-01-01     | C#1017617-01-01 | C#1017617-01-01     |      |       |          |
|                                     | UNITS | MW24-06             | MW24-08             | DUP-1           | FIELD BLANK         | RDL  | MDL   | QC Batch |
| <b>Calculated Parameters</b>        |       |                     |                     |                 |                     |      |       |          |
| 1,3-Dichloropropene (cis+trans)     | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.50  | 9713077  |
| <b>Volatile Organics</b>            |       |                     |                     |                 |                     |      |       |          |
| Acetone (2-Propanone)               | ug/L  | <10                 | <10                 | <10             | <10                 | 10   | 1.0   | 9707011  |
| Benzene                             | ug/L  | <0.17               | <0.17               | <0.17           | <0.17               | 0.17 | 0.020 | 9707011  |
| Bromodichloromethane                | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.050 | 9707011  |
| Bromoform                           | ug/L  | <1.0                | <1.0                | <1.0            | <1.0                | 1.0  | 0.10  | 9707011  |
| Bromomethane                        | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.10  | 9707011  |
| Carbon Tetrachloride                | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.050 | 9707011  |
| Chlorobenzene                       | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.010 | 9707011  |
| Chloroform                          | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.050 | 9707011  |
| Dibromochloromethane                | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.050 | 9707011  |
| 1,2-Dichlorobenzene                 | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.050 | 9707011  |
| 1,3-Dichlorobenzene                 | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.050 | 9707011  |
| 1,4-Dichlorobenzene                 | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.050 | 9707011  |
| Dichlorodifluoromethane (FREON 12)  | ug/L  | <1.0                | <1.0                | <1.0            | <1.0                | 1.0  | 0.050 | 9707011  |
| 1,1-Dichloroethane                  | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.050 | 9707011  |
| 1,2-Dichloroethane                  | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.020 | 9707011  |
| 1,1-Dichloroethylene                | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.050 | 9707011  |
| cis-1,2-Dichloroethylene            | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.050 | 9707011  |
| trans-1,2-Dichloroethylene          | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.050 | 9707011  |
| 1,2-Dichloropropane                 | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.050 | 9707011  |
| cis-1,3-Dichloropropene             | ug/L  | <0.30               | <0.30               | <0.30           | <0.30               | 0.30 | 0.050 | 9707011  |
| trans-1,3-Dichloropropene           | ug/L  | <0.40               | <0.40               | <0.40           | <0.40               | 0.40 | 0.050 | 9707011  |
| Ethylbenzene                        | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.010 | 9707011  |
| Ethylene Dibromide                  | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.050 | 9707011  |
| Hexane                              | ug/L  | <1.0                | <1.0                | <1.0            | <1.0                | 1.0  | 0.10  | 9707011  |
| Methylene Chloride(Dichloromethane) | ug/L  | <2.0                | <2.0                | <2.0            | <2.0                | 2.0  | 0.10  | 9707011  |
| Methyl Ethyl Ketone (2-Butanone)    | ug/L  | <10                 | <10                 | <10             | <10                 | 10   | 0.50  | 9707011  |
| Methyl Isobutyl Ketone              | ug/L  | <5.0                | <5.0                | <5.0            | <5.0                | 5.0  | 0.10  | 9707011  |
| Methyl t-butyl ether (MTBE)         | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.050 | 9707011  |
| Styrene                             | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.050 | 9707011  |
| 1,1,1,2-Tetrachloroethane           | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.050 | 9707011  |
| 1,1,2,2-Tetrachloroethane           | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.050 | 9707011  |
| RDL = Reportable Detection Limit    |       |                     |                     |                 |                     |      |       |          |
| QC Batch = Quality Control Batch    |       |                     |                     |                 |                     |      |       |          |



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Your P.O. #: OTT2947  
Sampler Initials: MS

### VOLATILE ORGANICS BY GC/MS (WATER)

| Bureau Veritas ID                 |       | AGHS11              | AGHS12              | AGHS13          | AGHS14              |      |       |          |
|-----------------------------------|-------|---------------------|---------------------|-----------------|---------------------|------|-------|----------|
| Sampling Date                     |       | 2024/10/18<br>13:20 | 2024/10/18<br>11:00 | 2024/10/18      | 2024/10/18<br>13:00 |      |       |          |
| COC Number                        |       | C#1017617-01-01     | C#1017617-01-01     | C#1017617-01-01 | C#1017617-01-01     |      |       |          |
|                                   | UNITS | MW24-06             | MW24-08             | DUP-1           | FIELD BLANK         | RDL  | MDL   | QC Batch |
| Tetrachloroethylene               | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.050 | 9707011  |
| Toluene                           | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.010 | 9707011  |
| 1,1,1-Trichloroethane             | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.050 | 9707011  |
| 1,1,2-Trichloroethane             | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.050 | 9707011  |
| Trichloroethylene                 | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.050 | 9707011  |
| Trichlorofluoromethane (FREON 11) | ug/L  | <0.50               | <0.50               | <0.50           | <0.50               | 0.50 | 0.10  | 9707011  |
| Vinyl Chloride                    | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.050 | 9707011  |
| p+m-Xylene                        | ug/L  | <0.20               | <0.20               | 0.20            | <0.20               | 0.20 | 0.010 | 9707011  |
| o-Xylene                          | ug/L  | <0.20               | <0.20               | <0.20           | <0.20               | 0.20 | 0.010 | 9707011  |
| Total Xylenes                     | ug/L  | <0.20               | <0.20               | 0.20            | <0.20               | 0.20 | 0.010 | 9707011  |
| F1 (C6-C10)                       | ug/L  | <25                 | <25                 | <25             | <25                 | 25   | 20    | 9707011  |
| F1 (C6-C10) - BTEX                | ug/L  | <25                 | <25                 | <25             | <25                 | 25   | 20    | 9707011  |
| <b>Surrogate Recovery (%)</b>     |       |                     |                     |                 |                     |      |       |          |
| 4-Bromofluorobenzene              | %     | 102                 | 103                 | 101             | 104                 |      |       | 9707011  |
| D4-1,2-Dichloroethane             | %     | 101                 | 103                 | 104             | 105                 |      |       | 9707011  |
| D8-Toluene                        | %     | 93                  | 92                  | 92              | 92                  |      |       | 9707011  |
| RDL = Reportable Detection Limit  |       |                     |                     |                 |                     |      |       |          |
| QC Batch = Quality Control Batch  |       |                     |                     |                 |                     |      |       |          |



Bureau Veritas Job #: C4W8659  
Report Date: 2024/10/25

SLR Consulting (Canada) Ltd.  
Client Project #: 216.030059.00002  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### VOLATILE ORGANICS BY GC/MS (WATER)

|                                     |              |                     |            |            |                 |
|-------------------------------------|--------------|---------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>            |              | AGHS15              |            |            |                 |
| <b>Sampling Date</b>                |              | 2024/10/18<br>11:15 |            |            |                 |
| <b>COC Number</b>                   |              | C#1017617-01-01     |            |            |                 |
|                                     | <b>UNITS</b> | <b>TRIP BLANK</b>   | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>Calculated Parameters</b>        |              |                     |            |            |                 |
| 1,3-Dichloropropene (cis+trans)     | ug/L         | <0.50               | 0.50       | 0.50       | 9713077         |
| <b>Volatile Organics</b>            |              |                     |            |            |                 |
| Acetone (2-Propanone)               | ug/L         | <10                 | 10         | 1.0        | 9707011         |
| Benzene                             | ug/L         | <0.17               | 0.17       | 0.020      | 9707011         |
| Bromodichloromethane                | ug/L         | <0.50               | 0.50       | 0.050      | 9707011         |
| Bromoform                           | ug/L         | <1.0                | 1.0        | 0.10       | 9707011         |
| Bromomethane                        | ug/L         | <0.50               | 0.50       | 0.10       | 9707011         |
| Carbon Tetrachloride                | ug/L         | <0.20               | 0.20       | 0.050      | 9707011         |
| Chlorobenzene                       | ug/L         | <0.20               | 0.20       | 0.010      | 9707011         |
| Chloroform                          | ug/L         | <0.20               | 0.20       | 0.050      | 9707011         |
| Dibromochloromethane                | ug/L         | <0.50               | 0.50       | 0.050      | 9707011         |
| 1,2-Dichlorobenzene                 | ug/L         | <0.50               | 0.50       | 0.050      | 9707011         |
| 1,3-Dichlorobenzene                 | ug/L         | <0.50               | 0.50       | 0.050      | 9707011         |
| 1,4-Dichlorobenzene                 | ug/L         | <0.50               | 0.50       | 0.050      | 9707011         |
| Dichlorodifluoromethane (FREON 12)  | ug/L         | <1.0                | 1.0        | 0.050      | 9707011         |
| 1,1-Dichloroethane                  | ug/L         | <0.20               | 0.20       | 0.050      | 9707011         |
| 1,2-Dichloroethane                  | ug/L         | <0.50               | 0.50       | 0.020      | 9707011         |
| 1,1-Dichloroethylene                | ug/L         | <0.20               | 0.20       | 0.050      | 9707011         |
| cis-1,2-Dichloroethylene            | ug/L         | <0.50               | 0.50       | 0.050      | 9707011         |
| trans-1,2-Dichloroethylene          | ug/L         | <0.50               | 0.50       | 0.050      | 9707011         |
| 1,2-Dichloropropane                 | ug/L         | <0.20               | 0.20       | 0.050      | 9707011         |
| cis-1,3-Dichloropropene             | ug/L         | <0.30               | 0.30       | 0.050      | 9707011         |
| trans-1,3-Dichloropropene           | ug/L         | <0.40               | 0.40       | 0.050      | 9707011         |
| Ethylbenzene                        | ug/L         | <0.20               | 0.20       | 0.010      | 9707011         |
| Ethylene Dibromide                  | ug/L         | <0.20               | 0.20       | 0.050      | 9707011         |
| Hexane                              | ug/L         | <1.0                | 1.0        | 0.10       | 9707011         |
| Methylene Chloride(Dichloromethane) | ug/L         | <2.0                | 2.0        | 0.10       | 9707011         |
| Methyl Ethyl Ketone (2-Butanone)    | ug/L         | <10                 | 10         | 0.50       | 9707011         |
| Methyl Isobutyl Ketone              | ug/L         | <5.0                | 5.0        | 0.10       | 9707011         |
| Methyl t-butyl ether (MTBE)         | ug/L         | <0.50               | 0.50       | 0.050      | 9707011         |
| Styrene                             | ug/L         | <0.50               | 0.50       | 0.050      | 9707011         |
| 1,1,1,2-Tetrachloroethane           | ug/L         | <0.50               | 0.50       | 0.050      | 9707011         |
| 1,1,1,2,2-Tetrachloroethane         | ug/L         | <0.50               | 0.50       | 0.050      | 9707011         |
| RDL = Reportable Detection Limit    |              |                     |            |            |                 |
| QC Batch = Quality Control Batch    |              |                     |            |            |                 |



Bureau Veritas Job #: C4W8659  
Report Date: 2024/10/25

SLR Consulting (Canada) Ltd.  
Client Project #: 216.030059.00002  
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Your P.O. #: OTT2947  
Sampler Initials: MS

### VOLATILE ORGANICS BY GC/MS (WATER)

|                                   |              |                     |            |            |                 |
|-----------------------------------|--------------|---------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>          |              | AGHS15              |            |            |                 |
| <b>Sampling Date</b>              |              | 2024/10/18<br>11:15 |            |            |                 |
| <b>COC Number</b>                 |              | C#1017617-01-01     |            |            |                 |
|                                   | <b>UNITS</b> | <b>TRIP BLANK</b>   | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| Tetrachloroethylene               | ug/L         | <0.20               | 0.20       | 0.050      | 9707011         |
| Toluene                           | ug/L         | <0.20               | 0.20       | 0.010      | 9707011         |
| 1,1,1-Trichloroethane             | ug/L         | <0.20               | 0.20       | 0.050      | 9707011         |
| 1,1,2-Trichloroethane             | ug/L         | <0.50               | 0.50       | 0.050      | 9707011         |
| Trichloroethylene                 | ug/L         | <0.20               | 0.20       | 0.050      | 9707011         |
| Trichlorofluoromethane (FREON 11) | ug/L         | <0.50               | 0.50       | 0.10       | 9707011         |
| Vinyl Chloride                    | ug/L         | <0.20               | 0.20       | 0.050      | 9707011         |
| p+m-Xylene                        | ug/L         | <0.20               | 0.20       | 0.010      | 9707011         |
| o-Xylene                          | ug/L         | <0.20               | 0.20       | 0.010      | 9707011         |
| Total Xylenes                     | ug/L         | <0.20               | 0.20       | 0.010      | 9707011         |
| F1 (C6-C10)                       | ug/L         | <25                 | 25         | 20         | 9707011         |
| F1 (C6-C10) - BTEX                | ug/L         | <25                 | 25         | 20         | 9707011         |
| <b>Surrogate Recovery (%)</b>     |              |                     |            |            |                 |
| 4-Bromofluorobenzene              | %            | 103                 |            |            | 9707011         |
| D4-1,2-Dichloroethane             | %            | 102                 |            |            | 9707011         |
| D8-Toluene                        | %            | 93                  |            |            | 9707011         |
| RDL = Reportable Detection Limit  |              |                     |            |            |                 |
| QC Batch = Quality Control Batch  |              |                     |            |            |                 |



Bureau Veritas Job #: C4W8659  
Report Date: 2024/10/25

SLR Consulting (Canada) Ltd.  
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Your P.O. #: OTT2947  
Sampler Initials: MS

### PETROLEUM HYDROCARBONS (CCME)

|                                  |              |                     |                     |                 |                     |            |            |                 |
|----------------------------------|--------------|---------------------|---------------------|-----------------|---------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>         |              | AGHS11              | AGHS12              | AGHS13          | AGHS14              |            |            |                 |
| <b>Sampling Date</b>             |              | 2024/10/18<br>13:20 | 2024/10/18<br>11:00 | 2024/10/18      | 2024/10/18<br>13:00 |            |            |                 |
| <b>COC Number</b>                |              | C#1017617-01-01     | C#1017617-01-01     | C#1017617-01-01 | C#1017617-01-01     |            |            |                 |
|                                  | <b>UNITS</b> | <b>MW24-06</b>      | <b>MW24-08</b>      | <b>DUP-1</b>    | <b>FIELD BLANK</b>  | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>F2-F4 Hydrocarbons</b>        |              |                     |                     |                 |                     |            |            |                 |
| F2 (C10-C16 Hydrocarbons)        | ug/L         | <90                 | <90                 | <90             | <90                 | 90         | 50         | 9721111         |
| F3 (C16-C34 Hydrocarbons)        | ug/L         | <200                | <200                | <200            | <200                | 200        | 70         | 9721111         |
| F4 (C34-C50 Hydrocarbons)        | ug/L         | <200                | <200                | <200            | <200                | 200        | 50         | 9721111         |
| Reached Baseline at C50          | ug/L         | Yes                 | Yes                 | Yes             | Yes                 |            |            | 9721111         |
| <b>Surrogate Recovery (%)</b>    |              |                     |                     |                 |                     |            |            |                 |
| o-Terphenyl                      | %            | 101                 | 99                  | 101             | 101                 |            |            | 9721111         |
| RDL = Reportable Detection Limit |              |                     |                     |                 |                     |            |            |                 |
| QC Batch = Quality Control Batch |              |                     |                     |                 |                     |            |            |                 |

|                                  |              |                     |            |            |                 |
|----------------------------------|--------------|---------------------|------------|------------|-----------------|
| <b>Bureau Veritas ID</b>         |              | AGHS15              |            |            |                 |
| <b>Sampling Date</b>             |              | 2024/10/18<br>11:15 |            |            |                 |
| <b>COC Number</b>                |              | C#1017617-01-01     |            |            |                 |
|                                  | <b>UNITS</b> | <b>TRIP BLANK</b>   | <b>RDL</b> | <b>MDL</b> | <b>QC Batch</b> |
| <b>F2-F4 Hydrocarbons</b>        |              |                     |            |            |                 |
| F2 (C10-C16 Hydrocarbons)        | ug/L         | <90                 | 90         | 50         | 9721111         |
| F3 (C16-C34 Hydrocarbons)        | ug/L         | <200                | 200        | 70         | 9721111         |
| F4 (C34-C50 Hydrocarbons)        | ug/L         | <200                | 200        | 50         | 9721111         |
| Reached Baseline at C50          | ug/L         | Yes                 |            |            | 9721111         |
| <b>Surrogate Recovery (%)</b>    |              |                     |            |            |                 |
| o-Terphenyl                      | %            | 103                 |            |            | 9721111         |
| RDL = Reportable Detection Limit |              |                     |            |            |                 |
| QC Batch = Quality Control Batch |              |                     |            |            |                 |



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### GENERAL COMMENTS

Results relate only to the items tested.



Bureau Veritas Job #: C4W8659  
Report Date: 2024/10/25

SLR Consulting (Canada) Ltd.  
Client Project #: 216.030059.00002  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT

| QA/QC<br>Batch | Init | QC Type                  | Parameter                           | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|----------------|------|--------------------------|-------------------------------------|---------------|-------|----------|-------|-----------|
| 9707011        | BG1  | Matrix Spike [AGHS11-06] | 4-Bromofluorobenzene                | 2024/10/24    |       | 105      | %     | 70 - 130  |
|                |      |                          | D4-1,2-Dichloroethane               | 2024/10/24    |       | 101      | %     | 70 - 130  |
|                |      |                          | D8-Toluene                          | 2024/10/24    |       | 101      | %     | 70 - 130  |
|                |      |                          | Acetone (2-Propanone)               | 2024/10/24    |       | 96       | %     | 60 - 140  |
|                |      |                          | Benzene                             | 2024/10/24    |       | 96       | %     | 70 - 130  |
|                |      |                          | Bromodichloromethane                | 2024/10/24    |       | 95       | %     | 70 - 130  |
|                |      |                          | Bromoform                           | 2024/10/24    |       | 102      | %     | 70 - 130  |
|                |      |                          | Bromomethane                        | 2024/10/24    |       | 81       | %     | 60 - 140  |
|                |      |                          | Carbon Tetrachloride                | 2024/10/24    |       | 102      | %     | 70 - 130  |
|                |      |                          | Chlorobenzene                       | 2024/10/24    |       | 91       | %     | 70 - 130  |
|                |      |                          | Chloroform                          | 2024/10/24    |       | 94       | %     | 70 - 130  |
|                |      |                          | Dibromochloromethane                | 2024/10/24    |       | 100      | %     | 70 - 130  |
|                |      |                          | 1,2-Dichlorobenzene                 | 2024/10/24    |       | 100      | %     | 70 - 130  |
|                |      |                          | 1,3-Dichlorobenzene                 | 2024/10/24    |       | 98       | %     | 70 - 130  |
|                |      |                          | 1,4-Dichlorobenzene                 | 2024/10/24    |       | 98       | %     | 70 - 130  |
|                |      |                          | Dichlorodifluoromethane (FREON 12)  | 2024/10/24    |       | 85       | %     | 60 - 140  |
|                |      |                          | 1,1-Dichloroethane                  | 2024/10/24    |       | 90       | %     | 70 - 130  |
|                |      |                          | 1,2-Dichloroethane                  | 2024/10/24    |       | 103      | %     | 70 - 130  |
|                |      |                          | 1,1-Dichloroethylene                | 2024/10/24    |       | 93       | %     | 70 - 130  |
|                |      |                          | cis-1,2-Dichloroethylene            | 2024/10/24    |       | 99       | %     | 70 - 130  |
|                |      |                          | trans-1,2-Dichloroethylene          | 2024/10/24    |       | 99       | %     | 70 - 130  |
|                |      |                          | 1,2-Dichloropropane                 | 2024/10/24    |       | 92       | %     | 70 - 130  |
|                |      |                          | cis-1,3-Dichloropropene             | 2024/10/24    |       | 90       | %     | 70 - 130  |
|                |      |                          | trans-1,3-Dichloropropene           | 2024/10/24    |       | 100      | %     | 70 - 130  |
|                |      |                          | Ethylbenzene                        | 2024/10/24    |       | 91       | %     | 70 - 130  |
|                |      |                          | Ethylene Dibromide                  | 2024/10/24    |       | 97       | %     | 70 - 130  |
|                |      |                          | Hexane                              | 2024/10/24    |       | 101      | %     | 70 - 130  |
|                |      |                          | Methylene Chloride(Dichloromethane) | 2024/10/24    |       | 95       | %     | 70 - 130  |
|                |      |                          | Methyl Ethyl Ketone (2-Butanone)    | 2024/10/24    |       | 100      | %     | 60 - 140  |
|                |      |                          | Methyl Isobutyl Ketone              | 2024/10/24    |       | 96       | %     | 70 - 130  |
|                |      |                          | Methyl t-butyl ether (MTBE)         | 2024/10/24    |       | 95       | %     | 70 - 130  |
|                |      |                          | Styrene                             | 2024/10/24    |       | 92       | %     | 70 - 130  |
|                |      |                          | 1,1,1,2-Tetrachloroethane           | 2024/10/24    |       | 107      | %     | 70 - 130  |
|                |      |                          | 1,1,2,2-Tetrachloroethane           | 2024/10/24    |       | 89       | %     | 70 - 130  |
|                |      |                          | Tetrachloroethylene                 | 2024/10/24    |       | 99       | %     | 70 - 130  |
|                |      |                          | Toluene                             | 2024/10/24    |       | 94       | %     | 70 - 130  |
|                |      |                          | 1,1,1-Trichloroethane               | 2024/10/24    |       | 93       | %     | 70 - 130  |
|                |      |                          | 1,1,2-Trichloroethane               | 2024/10/24    |       | 98       | %     | 70 - 130  |
|                |      |                          | Trichloroethylene                   | 2024/10/24    |       | 101      | %     | 70 - 130  |
|                |      |                          | Trichlorofluoromethane (FREON 11)   | 2024/10/24    |       | 92       | %     | 70 - 130  |
|                |      |                          | Vinyl Chloride                      | 2024/10/24    |       | 89       | %     | 70 - 130  |
|                |      |                          | p+m-Xylene                          | 2024/10/24    |       | 91       | %     | 70 - 130  |
|                |      |                          | o-Xylene                            | 2024/10/24    |       | 99       | %     | 70 - 130  |
|                |      |                          | F1 (C6-C10)                         | 2024/10/24    |       | 90       | %     | 60 - 140  |
| 9707011        | BG1  | Spiked Blank             | 4-Bromofluorobenzene                | 2024/10/24    |       | 105      | %     | 70 - 130  |
|                |      |                          | D4-1,2-Dichloroethane               | 2024/10/24    |       | 99       | %     | 70 - 130  |
|                |      |                          | D8-Toluene                          | 2024/10/24    |       | 99       | %     | 70 - 130  |
|                |      |                          | Acetone (2-Propanone)               | 2024/10/24    |       | 96       | %     | 60 - 140  |
|                |      |                          | Benzene                             | 2024/10/24    |       | 98       | %     | 70 - 130  |
|                |      |                          | Bromodichloromethane                | 2024/10/24    |       | 95       | %     | 70 - 130  |
|                |      |                          | Bromoform                           | 2024/10/24    |       | 101      | %     | 70 - 130  |
|                |      |                          | Bromomethane                        | 2024/10/24    |       | 82       | %     | 60 - 140  |



Bureau Veritas Job #: C4W8659  
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Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC   | Batch | Init         | QC Type | Parameter                           | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---------|-------|--------------|---------|-------------------------------------|---------------|-------|----------|-------|-----------|
|         |       |              |         | Carbon Tetrachloride                | 2024/10/24    |       | 103      | %     | 70 - 130  |
|         |       |              |         | Chlorobenzene                       | 2024/10/24    |       | 92       | %     | 70 - 130  |
|         |       |              |         | Chloroform                          | 2024/10/24    |       | 95       | %     | 70 - 130  |
|         |       |              |         | Dibromochloromethane                | 2024/10/24    |       | 98       | %     | 70 - 130  |
|         |       |              |         | 1,2-Dichlorobenzene                 | 2024/10/24    |       | 100      | %     | 70 - 130  |
|         |       |              |         | 1,3-Dichlorobenzene                 | 2024/10/24    |       | 99       | %     | 70 - 130  |
|         |       |              |         | 1,4-Dichlorobenzene                 | 2024/10/24    |       | 100      | %     | 70 - 130  |
|         |       |              |         | Dichlorodifluoromethane (FREON 12)  | 2024/10/24    |       | 89       | %     | 60 - 140  |
|         |       |              |         | 1,1-Dichloroethane                  | 2024/10/24    |       | 91       | %     | 70 - 130  |
|         |       |              |         | 1,2-Dichloroethane                  | 2024/10/24    |       | 101      | %     | 70 - 130  |
|         |       |              |         | 1,1-Dichloroethylene                | 2024/10/24    |       | 95       | %     | 70 - 130  |
|         |       |              |         | cis-1,2-Dichloroethylene            | 2024/10/24    |       | 100      | %     | 70 - 130  |
|         |       |              |         | trans-1,2-Dichloroethylene          | 2024/10/24    |       | 101      | %     | 70 - 130  |
|         |       |              |         | 1,2-Dichloropropane                 | 2024/10/24    |       | 93       | %     | 70 - 130  |
|         |       |              |         | cis-1,3-Dichloropropene             | 2024/10/24    |       | 91       | %     | 70 - 130  |
|         |       |              |         | trans-1,3-Dichloropropene           | 2024/10/24    |       | 101      | %     | 70 - 130  |
|         |       |              |         | Ethylbenzene                        | 2024/10/24    |       | 94       | %     | 70 - 130  |
|         |       |              |         | Ethylene Dibromide                  | 2024/10/24    |       | 95       | %     | 70 - 130  |
|         |       |              |         | Hexane                              | 2024/10/24    |       | 107      | %     | 70 - 130  |
|         |       |              |         | Methylene Chloride(Dichloromethane) | 2024/10/24    |       | 95       | %     | 70 - 130  |
|         |       |              |         | Methyl Ethyl Ketone (2-Butanone)    | 2024/10/24    |       | 100      | %     | 60 - 140  |
|         |       |              |         | Methyl Isobutyl Ketone              | 2024/10/24    |       | 98       | %     | 70 - 130  |
|         |       |              |         | Methyl t-butyl ether (MTBE)         | 2024/10/24    |       | 97       | %     | 70 - 130  |
|         |       |              |         | Styrene                             | 2024/10/24    |       | 96       | %     | 70 - 130  |
|         |       |              |         | 1,1,1,2-Tetrachloroethane           | 2024/10/24    |       | 105      | %     | 70 - 130  |
|         |       |              |         | 1,1,2,2-Tetrachloroethane           | 2024/10/24    |       | 87       | %     | 70 - 130  |
|         |       |              |         | Tetrachloroethylene                 | 2024/10/24    |       | 99       | %     | 70 - 130  |
|         |       |              |         | Toluene                             | 2024/10/24    |       | 96       | %     | 70 - 130  |
|         |       |              |         | 1,1,1-Trichloroethane               | 2024/10/24    |       | 95       | %     | 70 - 130  |
|         |       |              |         | 1,1,2-Trichloroethane               | 2024/10/24    |       | 96       | %     | 70 - 130  |
|         |       |              |         | Trichloroethylene                   | 2024/10/24    |       | 103      | %     | 70 - 130  |
|         |       |              |         | Trichlorofluoromethane (FREON 11)   | 2024/10/24    |       | 93       | %     | 70 - 130  |
|         |       |              |         | Vinyl Chloride                      | 2024/10/24    |       | 91       | %     | 70 - 130  |
|         |       |              |         | p+m-Xylene                          | 2024/10/24    |       | 93       | %     | 70 - 130  |
|         |       |              |         | o-Xylene                            | 2024/10/24    |       | 101      | %     | 70 - 130  |
|         |       |              |         | F1 (C6-C10)                         | 2024/10/24    |       | 94       | %     | 60 - 140  |
| 9707011 | BG1   | Method Blank |         | 4-Bromofluorobenzene                | 2024/10/24    |       | 103      | %     | 70 - 130  |
|         |       |              |         | D4-1,2-Dichloroethane               | 2024/10/24    |       | 100      | %     | 70 - 130  |
|         |       |              |         | D8-Toluene                          | 2024/10/24    |       | 94       | %     | 70 - 130  |
|         |       |              |         | Acetone (2-Propanone)               | 2024/10/24    | <10   |          | ug/L  |           |
|         |       |              |         | Benzene                             | 2024/10/24    | <0.17 |          | ug/L  |           |
|         |       |              |         | Bromodichloromethane                | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |              |         | Bromoform                           | 2024/10/24    | <1.0  |          | ug/L  |           |
|         |       |              |         | Bromomethane                        | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |              |         | Carbon Tetrachloride                | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |              |         | Chlorobenzene                       | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |              |         | Chloroform                          | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |              |         | Dibromochloromethane                | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |              |         | 1,2-Dichlorobenzene                 | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |              |         | 1,3-Dichlorobenzene                 | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |              |         | 1,4-Dichlorobenzene                 | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |              |         | Dichlorodifluoromethane (FREON 12)  | 2024/10/24    | <1.0  |          | ug/L  |           |



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Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC   | Batch | Init            | QC Type | Parameter                           | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---------|-------|-----------------|---------|-------------------------------------|---------------|-------|----------|-------|-----------|
|         |       |                 |         | 1,1-Dichloroethane                  | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | 1,2-Dichloroethane                  | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |                 |         | 1,1-Dichloroethylene                | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | cis-1,2-Dichloroethylene            | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |                 |         | trans-1,2-Dichloroethylene          | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |                 |         | 1,2-Dichloropropane                 | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | cis-1,3-Dichloropropene             | 2024/10/24    | <0.30 |          | ug/L  |           |
|         |       |                 |         | trans-1,3-Dichloropropene           | 2024/10/24    | <0.40 |          | ug/L  |           |
|         |       |                 |         | Ethylbenzene                        | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | Ethylene Dibromide                  | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | Hexane                              | 2024/10/24    | <1.0  |          | ug/L  |           |
|         |       |                 |         | Methylene Chloride(Dichloromethane) | 2024/10/24    | <2.0  |          | ug/L  |           |
|         |       |                 |         | Methyl Ethyl Ketone (2-Butanone)    | 2024/10/24    | <10   |          | ug/L  |           |
|         |       |                 |         | Methyl Isobutyl Ketone              | 2024/10/24    | <5.0  |          | ug/L  |           |
|         |       |                 |         | Methyl t-butyl ether (MTBE)         | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |                 |         | Styrene                             | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |                 |         | 1,1,1,2-Tetrachloroethane           | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |                 |         | 1,1,2,2-Tetrachloroethane           | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |                 |         | Tetrachloroethylene                 | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | Toluene                             | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | 1,1,1-Trichloroethane               | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | 1,1,2-Trichloroethane               | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |                 |         | Trichloroethylene                   | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | Trichlorofluoromethane (FREON 11)   | 2024/10/24    | <0.50 |          | ug/L  |           |
|         |       |                 |         | Vinyl Chloride                      | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | p+m-Xylene                          | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | o-Xylene                            | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | Total Xylenes                       | 2024/10/24    | <0.20 |          | ug/L  |           |
|         |       |                 |         | F1 (C6-C10)                         | 2024/10/24    | <25   |          | ug/L  |           |
|         |       |                 |         | F1 (C6-C10) - BTEX                  | 2024/10/24    | <25   |          | ug/L  |           |
| 9707011 | BG1   | RPD [AGHS11-06] |         | Acetone (2-Propanone)               | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | Benzene                             | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | Bromodichloromethane                | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | Bromoform                           | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | Bromomethane                        | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | Carbon Tetrachloride                | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | Chlorobenzene                       | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | Chloroform                          | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | Dibromochloromethane                | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | 1,2-Dichlorobenzene                 | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | 1,3-Dichlorobenzene                 | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | 1,4-Dichlorobenzene                 | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | Dichlorodifluoromethane (FREON 12)  | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | 1,1-Dichloroethane                  | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | 1,2-Dichloroethane                  | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | 1,1-Dichloroethylene                | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | cis-1,2-Dichloroethylene            | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | trans-1,2-Dichloroethylene          | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | 1,2-Dichloropropane                 | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | cis-1,3-Dichloropropene             | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | trans-1,3-Dichloropropene           | 2024/10/24    | NC    |          | %     | 30        |
|         |       |                 |         | Ethylbenzene                        | 2024/10/24    | NC    |          | %     | 30        |



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### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC   | Batch | Init         | QC Type | Parameter                           | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---------|-------|--------------|---------|-------------------------------------|---------------|-------|----------|-------|-----------|
|         |       |              |         | Ethylene Dibromide                  | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | Hexane                              | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | Methylene Chloride(Dichloromethane) | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | Methyl Ethyl Ketone (2-Butanone)    | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | Methyl Isobutyl Ketone              | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | Methyl t-butyl ether (MTBE)         | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | Styrene                             | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | 1,1,1,2-Tetrachloroethane           | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | 1,1,2,2-Tetrachloroethane           | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | Tetrachloroethylene                 | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | Toluene                             | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | 1,1,1-Trichloroethane               | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | 1,1,2-Trichloroethane               | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | Trichloroethylene                   | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | Trichlorofluoromethane (FREON 11)   | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | Vinyl Chloride                      | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | p+m-Xylene                          | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | o-Xylene                            | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | Total Xylenes                       | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | F1 (C6-C10)                         | 2024/10/24    | NC    |          | %     | 30        |
|         |       |              |         | F1 (C6-C10) - BTEX                  | 2024/10/24    | NC    |          | %     | 30        |
| 9715987 | IHP   | Matrix Spike |         | Dissolved Antimony (Sb)             | 2024/10/23    |       | 101      | %     | 80 - 120  |
|         |       |              |         | Dissolved Arsenic (As)              | 2024/10/23    |       | 98       | %     | 80 - 120  |
|         |       |              |         | Dissolved Barium (Ba)               | 2024/10/23    |       | 98       | %     | 80 - 120  |
|         |       |              |         | Dissolved Beryllium (Be)            | 2024/10/23    |       | 102      | %     | 80 - 120  |
|         |       |              |         | Dissolved Boron (B)                 | 2024/10/23    |       | 99       | %     | 80 - 120  |
|         |       |              |         | Dissolved Cadmium (Cd)              | 2024/10/23    |       | 96       | %     | 80 - 120  |
|         |       |              |         | Dissolved Chromium (Cr)             | 2024/10/23    |       | 100      | %     | 80 - 120  |
|         |       |              |         | Dissolved Cobalt (Co)               | 2024/10/23    |       | 97       | %     | 80 - 120  |
|         |       |              |         | Dissolved Copper (Cu)               | 2024/10/23    |       | 97       | %     | 80 - 120  |
|         |       |              |         | Dissolved Lead (Pb)                 | 2024/10/23    |       | 95       | %     | 80 - 120  |
|         |       |              |         | Dissolved Molybdenum (Mo)           | 2024/10/23    |       | 102      | %     | 80 - 120  |
|         |       |              |         | Dissolved Nickel (Ni)               | 2024/10/23    |       | 92       | %     | 80 - 120  |
|         |       |              |         | Dissolved Selenium (Se)             | 2024/10/23    |       | 99       | %     | 80 - 120  |
|         |       |              |         | Dissolved Silver (Ag)               | 2024/10/23    |       | 90       | %     | 80 - 120  |
|         |       |              |         | Dissolved Sodium (Na)               | 2024/10/23    |       | 90       | %     | 80 - 120  |
|         |       |              |         | Dissolved Thallium (Tl)             | 2024/10/23    |       | 98       | %     | 80 - 120  |
|         |       |              |         | Dissolved Uranium (U)               | 2024/10/23    |       | 98       | %     | 80 - 120  |
|         |       |              |         | Dissolved Vanadium (V)              | 2024/10/23    |       | 99       | %     | 80 - 120  |
|         |       |              |         | Dissolved Zinc (Zn)                 | 2024/10/23    |       | 95       | %     | 80 - 120  |
| 9715987 | IHP   | Spiked Blank |         | Dissolved Antimony (Sb)             | 2024/10/23    |       | 98       | %     | 80 - 120  |
|         |       |              |         | Dissolved Arsenic (As)              | 2024/10/23    |       | 97       | %     | 80 - 120  |
|         |       |              |         | Dissolved Barium (Ba)               | 2024/10/23    |       | 97       | %     | 80 - 120  |
|         |       |              |         | Dissolved Beryllium (Be)            | 2024/10/23    |       | 97       | %     | 80 - 120  |
|         |       |              |         | Dissolved Boron (B)                 | 2024/10/23    |       | 94       | %     | 80 - 120  |
|         |       |              |         | Dissolved Cadmium (Cd)              | 2024/10/23    |       | 94       | %     | 80 - 120  |
|         |       |              |         | Dissolved Chromium (Cr)             | 2024/10/23    |       | 102      | %     | 80 - 120  |
|         |       |              |         | Dissolved Cobalt (Co)               | 2024/10/23    |       | 99       | %     | 80 - 120  |
|         |       |              |         | Dissolved Copper (Cu)               | 2024/10/23    |       | 99       | %     | 80 - 120  |
|         |       |              |         | Dissolved Lead (Pb)                 | 2024/10/23    |       | 93       | %     | 80 - 120  |
|         |       |              |         | Dissolved Molybdenum (Mo)           | 2024/10/23    |       | 97       | %     | 80 - 120  |
|         |       |              |         | Dissolved Nickel (Ni)               | 2024/10/23    |       | 94       | %     | 80 - 120  |



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### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC<br>Batch | Init | QC Type                  | Parameter                 | Date Analyzed | Value  | Recovery | UNITS | QC Limits |
|----------------|------|--------------------------|---------------------------|---------------|--------|----------|-------|-----------|
| 9715987        | IHP  | Method Blank             | Dissolved Selenium (Se)   | 2024/10/23    |        | 97       | %     | 80 - 120  |
|                |      |                          | Dissolved Silver (Ag)     | 2024/10/23    |        | 90       | %     | 80 - 120  |
|                |      |                          | Dissolved Sodium (Na)     | 2024/10/23    |        | 96       | %     | 80 - 120  |
|                |      |                          | Dissolved Thallium (Tl)   | 2024/10/23    |        | 94       | %     | 80 - 120  |
|                |      |                          | Dissolved Uranium (U)     | 2024/10/23    |        | 95       | %     | 80 - 120  |
|                |      |                          | Dissolved Vanadium (V)    | 2024/10/23    |        | 95       | %     | 80 - 120  |
|                |      |                          | Dissolved Zinc (Zn)       | 2024/10/23    |        | 94       | %     | 80 - 120  |
|                |      |                          | Dissolved Antimony (Sb)   | 2024/10/23    | <0.50  |          | ug/L  |           |
|                |      |                          | Dissolved Arsenic (As)    | 2024/10/23    | <1.0   |          | ug/L  |           |
|                |      |                          | Dissolved Barium (Ba)     | 2024/10/23    | <2.0   |          | ug/L  |           |
|                |      |                          | Dissolved Beryllium (Be)  | 2024/10/23    | <0.40  |          | ug/L  |           |
|                |      |                          | Dissolved Boron (B)       | 2024/10/23    | <10    |          | ug/L  |           |
|                |      |                          | Dissolved Cadmium (Cd)    | 2024/10/23    | <0.090 |          | ug/L  |           |
|                |      |                          | Dissolved Chromium (Cr)   | 2024/10/23    | <5.0   |          | ug/L  |           |
|                |      |                          | Dissolved Cobalt (Co)     | 2024/10/23    | <0.50  |          | ug/L  |           |
|                |      |                          | Dissolved Copper (Cu)     | 2024/10/23    | <0.90  |          | ug/L  |           |
|                |      |                          | Dissolved Lead (Pb)       | 2024/10/23    | <0.50  |          | ug/L  |           |
|                |      |                          | Dissolved Molybdenum (Mo) | 2024/10/23    | <0.50  |          | ug/L  |           |
|                |      |                          | Dissolved Nickel (Ni)     | 2024/10/23    | <1.0   |          | ug/L  |           |
|                |      |                          | Dissolved Selenium (Se)   | 2024/10/23    | <2.0   |          | ug/L  |           |
|                |      |                          | Dissolved Silver (Ag)     | 2024/10/23    | <0.090 |          | ug/L  |           |
|                |      |                          | Dissolved Sodium (Na)     | 2024/10/23    | <100   |          | ug/L  |           |
|                |      |                          | Dissolved Thallium (Tl)   | 2024/10/23    | <0.050 |          | ug/L  |           |
|                |      |                          | Dissolved Uranium (U)     | 2024/10/23    | <0.10  |          | ug/L  |           |
|                |      |                          | Dissolved Vanadium (V)    | 2024/10/23    | <0.50  |          | ug/L  |           |
|                |      |                          | Dissolved Zinc (Zn)       | 2024/10/23    | <5.0   |          | ug/L  |           |
| 9715987        | IHP  | RPD                      | Dissolved Antimony (Sb)   | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Arsenic (As)    | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Barium (Ba)     | 2024/10/23    | 1.1    |          | %     | 20        |
|                |      |                          | Dissolved Beryllium (Be)  | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Boron (B)       | 2024/10/23    | 6.0    |          | %     | 20        |
|                |      |                          | Dissolved Cadmium (Cd)    | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Chromium (Cr)   | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Cobalt (Co)     | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Copper (Cu)     | 2024/10/23    | 4.8    |          | %     | 20        |
|                |      |                          | Dissolved Lead (Pb)       | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Molybdenum (Mo) | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Nickel (Ni)     | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Selenium (Se)   | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Silver (Ag)     | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Sodium (Na)     | 2024/10/23    | 0.75   |          | %     | 20        |
|                |      |                          | Dissolved Thallium (Tl)   | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Uranium (U)     | 2024/10/23    | 5.1    |          | %     | 20        |
|                |      |                          | Dissolved Vanadium (V)    | 2024/10/23    | NC     |          | %     | 20        |
|                |      |                          | Dissolved Zinc (Zn)       | 2024/10/23    | NC     |          | %     | 20        |
| 9716083        | DAN  | Matrix Spike [AGHS11-07] | Propylene Glycol          | 2024/10/22    |        | 105      | %     | 60 - 140  |
|                |      |                          | Ethylene Glycol           | 2024/10/22    |        | 98       | %     | 60 - 140  |
|                |      |                          | Diethylene Glycol         | 2024/10/22    |        | 91       | %     | 60 - 140  |
| 9716083        | DAN  | Spiked Blank             | Propylene Glycol          | 2024/10/22    |        | 107      | %     | 60 - 140  |
|                |      |                          | Ethylene Glycol           | 2024/10/22    |        | 101      | %     | 60 - 140  |
|                |      |                          | Diethylene Glycol         | 2024/10/22    |        | 90       | %     | 60 - 140  |
| 9716083        | DAN  | Method Blank             | Propylene Glycol          | 2024/10/22    | <5     |          | mg/L  |           |



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| QA/QC Batch | Init | QC Type                  | Parameter                 | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|-------------|------|--------------------------|---------------------------|---------------|-------|----------|-------|-----------|
| 9716083     | DAN  | RPD [AGHS11-07]          | Ethylene Glycol           | 2024/10/22    | <5    |          | mg/L  |           |
|             |      |                          | Diethylene Glycol         | 2024/10/22    | <5    |          | mg/L  |           |
|             |      |                          | Total Glycol              | 2024/10/22    | <5    |          | mg/L  |           |
|             |      |                          | Propylene Glycol          | 2024/10/22    | NC    |          | %     | 40        |
|             |      |                          | Ethylene Glycol           | 2024/10/22    | NC    |          | %     | 40        |
|             |      |                          | Diethylene Glycol         | 2024/10/22    | NC    |          | %     | 40        |
|             |      |                          | Total Glycol              | 2024/10/22    | NC    |          | %     | 40        |
| 9718601     | HK1  | Matrix Spike             | Chromium (VI)             | 2024/10/23    |       | 96       | %     | 80 - 120  |
| 9718601     | HK1  | Spiked Blank             | Chromium (VI)             | 2024/10/23    |       | 102      | %     | 80 - 120  |
| 9718601     | HK1  | Method Blank             | Chromium (VI)             | 2024/10/23    | <0.50 |          | ug/L  |           |
| 9718601     | HK1  | RPD                      | Chromium (VI)             | 2024/10/23    | NC    |          | %     | 20        |
| 9719252     | GR1  | Matrix Spike             | Mercury (Hg)              | 2024/10/23    |       | 96       | %     | 75 - 125  |
| 9719252     | GR1  | Spiked Blank             | Mercury (Hg)              | 2024/10/23    |       | 96       | %     | 80 - 120  |
| 9719252     | GR1  | Method Blank             | Mercury (Hg)              | 2024/10/23    | <0.10 |          | ug/L  |           |
| 9719252     | GR1  | RPD                      | Mercury (Hg)              | 2024/10/23    | NC    |          | %     | 20        |
| 9719537     | ADB  | Matrix Spike             | Dissolved Chloride (Cl-)  | 2024/10/24    |       | NC       | %     | 80 - 120  |
| 9719537     | ADB  | Spiked Blank             | Dissolved Chloride (Cl-)  | 2024/10/24    |       | 98       | %     | 80 - 120  |
| 9719537     | ADB  | Method Blank             | Dissolved Chloride (Cl-)  | 2024/10/24    | <1.0  |          | mg/L  |           |
| 9719537     | ADB  | RPD                      | Dissolved Chloride (Cl-)  | 2024/10/24    | 2.0   |          | %     | 20        |
| 9720591     | MJ1  | Matrix Spike [AGHS12-04] | Dissolved Chloride (Cl-)  | 2024/10/25    |       | NC       | %     | 80 - 120  |
| 9720591     | MJ1  | Spiked Blank             | Dissolved Chloride (Cl-)  | 2024/10/25    |       | 104      | %     | 80 - 120  |
| 9720591     | MJ1  | Method Blank             | Dissolved Chloride (Cl-)  | 2024/10/25    | <1.0  |          | mg/L  |           |
| 9720591     | MJ1  | RPD [AGHS12-04]          | Dissolved Chloride (Cl-)  | 2024/10/25    | 1.4   |          | %     | 20        |
| 9721111     | MSZ  | Matrix Spike [AGHS11-01] | o-Terphenyl               | 2024/10/24    |       | 104      | %     | 60 - 140  |
|             |      |                          | F2 (C10-C16 Hydrocarbons) | 2024/10/24    |       | 100      | %     | 60 - 140  |
|             |      |                          | F3 (C16-C34 Hydrocarbons) | 2024/10/24    |       | 104      | %     | 60 - 140  |
|             |      |                          | F4 (C34-C50 Hydrocarbons) | 2024/10/24    |       | 96       | %     | 60 - 140  |
|             |      |                          | o-Terphenyl               | 2024/10/24    |       | 106      | %     | 60 - 140  |
|             |      |                          | F2 (C10-C16 Hydrocarbons) | 2024/10/24    |       | 100      | %     | 60 - 140  |
|             |      |                          | F3 (C16-C34 Hydrocarbons) | 2024/10/24    |       | 104      | %     | 60 - 140  |
| 9721111     | MSZ  | Method Blank             | F4 (C34-C50 Hydrocarbons) | 2024/10/24    |       | 97       | %     | 60 - 140  |
|             |      |                          | o-Terphenyl               | 2024/10/24    |       | 101      | %     | 60 - 140  |
|             |      |                          | F2 (C10-C16 Hydrocarbons) | 2024/10/24    | <90   |          | ug/L  |           |
|             |      |                          | F3 (C16-C34 Hydrocarbons) | 2024/10/24    | <200  |          | ug/L  |           |
|             |      |                          | F4 (C34-C50 Hydrocarbons) | 2024/10/24    | <200  |          | ug/L  |           |
|             |      |                          | F2 (C10-C16 Hydrocarbons) | 2024/10/24    | NC    |          | %     | 30        |
|             |      |                          | F3 (C16-C34 Hydrocarbons) | 2024/10/24    | NC    |          | %     | 30        |
| 9721111     | MSZ  | RPD [AGHS12-01]          | F4 (C34-C50 Hydrocarbons) | 2024/10/24    | NC    |          | %     | 30        |
|             |      |                          | D10-Anthracene            | 2024/10/24    |       | 113      | %     | 50 - 130  |
|             |      |                          | D14-Terphenyl (F5)        | 2024/10/24    |       | 114      | %     | 50 - 130  |
|             |      |                          | D8-Acenaphthylene         | 2024/10/24    |       | 107      | %     | 50 - 130  |
|             |      |                          | Acenaphthene              | 2024/10/24    |       | 114      | %     | 50 - 130  |
|             |      |                          | Acenaphthylene            | 2024/10/24    |       | 116      | %     | 50 - 130  |
|             |      |                          | Anthracene                | 2024/10/24    |       | 117      | %     | 50 - 130  |
| 9721118     | JP5  | Matrix Spike [AGHS13-01] | Benzo(a)anthracene        | 2024/10/24    |       | 125      | %     | 50 - 130  |
|             |      |                          | Benzo(a)pyrene            | 2024/10/24    |       | 124      | %     | 50 - 130  |
|             |      |                          | Benzo(b/j)fluoranthene    | 2024/10/24    |       | 120      | %     | 50 - 130  |
|             |      |                          | Benzo(g,h,i)perylene      | 2024/10/24    |       | 122      | %     | 50 - 130  |
|             |      |                          | Benzo(k)fluoranthene      | 2024/10/24    |       | 115      | %     | 50 - 130  |
|             |      |                          | Chrysene                  | 2024/10/24    |       | 112      | %     | 50 - 130  |
|             |      |                          | Dibenzo(a,h)anthracene    | 2024/10/24    |       | 123      | %     | 50 - 130  |
|             |      |                          | Fluoranthene              | 2024/10/24    |       | 131 (1)  | %     | 50 - 130  |



Bureau Veritas Job #: C4W8659  
Report Date: 2024/10/25

SLR Consulting (Canada) Ltd.  
Client Project #: 216.030059.00002  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC<br>Batch | Init | QC Type         | Parameter              | Date Analyzed | Value   | Recovery | UNITS | QC Limits |
|----------------|------|-----------------|------------------------|---------------|---------|----------|-------|-----------|
| 9721118        | JP5  | Spiked Blank    | Fluorene               | 2024/10/24    |         | 120      | %     | 50 - 130  |
|                |      |                 | Indeno(1,2,3-cd)pyrene | 2024/10/24    |         | 126      | %     | 50 - 130  |
|                |      |                 | 1-Methylnaphthalene    | 2024/10/24    |         | 99       | %     | 50 - 130  |
|                |      |                 | 2-Methylnaphthalene    | 2024/10/24    |         | 98       | %     | 50 - 130  |
|                |      |                 | Naphthalene            | 2024/10/24    |         | 101      | %     | 50 - 130  |
|                |      |                 | Phenanthrene           | 2024/10/24    |         | 118      | %     | 50 - 130  |
|                |      |                 | Pyrene                 | 2024/10/24    |         | 128      | %     | 50 - 130  |
|                |      |                 | D10-Anthracene         | 2024/10/24    |         | 107      | %     | 50 - 130  |
|                |      |                 | D14-Terphenyl (FS)     | 2024/10/24    |         | 110      | %     | 50 - 130  |
|                |      |                 | D8-Acenaphthylene      | 2024/10/24    |         | 99       | %     | 50 - 130  |
|                |      |                 | Acenaphthene           | 2024/10/24    |         | 100      | %     | 50 - 130  |
|                |      |                 | Acenaphthylene         | 2024/10/24    |         | 101      | %     | 50 - 130  |
|                |      |                 | Anthracene             | 2024/10/24    |         | 105      | %     | 50 - 130  |
|                |      |                 | Benzo(a)anthracene     | 2024/10/24    |         | 111      | %     | 50 - 130  |
|                |      |                 | Benzo(a)pyrene         | 2024/10/24    |         | 111      | %     | 50 - 130  |
|                |      |                 | Benzo(b/j)fluoranthene | 2024/10/24    |         | 108      | %     | 50 - 130  |
|                |      |                 | Benzo(g,h,i)perylene   | 2024/10/24    |         | 111      | %     | 50 - 130  |
|                |      |                 | Benzo(k)fluoranthene   | 2024/10/24    |         | 104      | %     | 50 - 130  |
|                |      |                 | Chrysene               | 2024/10/24    |         | 101      | %     | 50 - 130  |
|                |      |                 | Dibenzo(a,h)anthracene | 2024/10/24    |         | 112      | %     | 50 - 130  |
|                |      |                 | Fluoranthene           | 2024/10/24    |         | 117      | %     | 50 - 130  |
|                |      |                 | Fluorene               | 2024/10/24    |         | 105      | %     | 50 - 130  |
|                |      |                 | Indeno(1,2,3-cd)pyrene | 2024/10/24    |         | 114      | %     | 50 - 130  |
|                |      |                 | 1-Methylnaphthalene    | 2024/10/24    |         | 87       | %     | 50 - 130  |
|                |      |                 | 2-Methylnaphthalene    | 2024/10/24    |         | 86       | %     | 50 - 130  |
|                |      |                 | Naphthalene            | 2024/10/24    |         | 89       | %     | 50 - 130  |
|                |      |                 | Phenanthrene           | 2024/10/24    |         | 106      | %     | 50 - 130  |
|                |      |                 | Pyrene                 | 2024/10/24    |         | 113      | %     | 50 - 130  |
| 9721118        | JP5  | Method Blank    | D10-Anthracene         | 2024/10/24    |         | 113      | %     | 50 - 130  |
|                |      |                 | D14-Terphenyl (FS)     | 2024/10/24    |         | 117      | %     | 50 - 130  |
|                |      |                 | D8-Acenaphthylene      | 2024/10/24    |         | 107      | %     | 50 - 130  |
|                |      |                 | Acenaphthene           | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Acenaphthylene         | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Anthracene             | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Benzo(a)anthracene     | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Benzo(a)pyrene         | 2024/10/24    | <0.0090 |          | ug/L  |           |
|                |      |                 | Benzo(b/j)fluoranthene | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Benzo(g,h,i)perylene   | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Benzo(k)fluoranthene   | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Chrysene               | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Dibenzo(a,h)anthracene | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Fluoranthene           | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Fluorene               | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Indeno(1,2,3-cd)pyrene | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | 1-Methylnaphthalene    | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | 2-Methylnaphthalene    | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Naphthalene            | 2024/10/24    | <0.050  |          | ug/L  |           |
|                |      |                 | Phenanthrene           | 2024/10/24    | <0.030  |          | ug/L  |           |
|                |      |                 | Pyrene                 | 2024/10/24    | <0.050  |          | ug/L  |           |
| 9721118        | JP5  | RPD [AGHS12-01] | Acenaphthene           | 2024/10/24    | NC      |          | %     | 30        |
|                |      |                 | Acenaphthylene         | 2024/10/24    | NC      |          | %     | 30        |
|                |      |                 | Anthracene             | 2024/10/24    | NC      |          | %     | 30        |



Bureau Veritas Job #: C4W8659  
Report Date: 2024/10/25

SLR Consulting (Canada) Ltd.  
Client Project #: 216.030059.00002  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC<br>Batch | Init | QC Type | Parameter              | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|----------------|------|---------|------------------------|---------------|-------|----------|-------|-----------|
|                |      |         | Benzo(a)anthracene     | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | Benzo(a)pyrene         | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | Benzo(b/j)fluoranthene | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | Benzo(g,h,i)perylene   | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | Benzo(k)fluoranthene   | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | Chrysene               | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | Dibenzo(a,h)anthracene | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | Fluoranthene           | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | Fluorene               | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | Indeno(1,2,3-cd)pyrene | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | 1-Methylnaphthalene    | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | 2-Methylnaphthalene    | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | Naphthalene            | 2024/10/24    | 2.2   |          | %     | 30        |
|                |      |         | Phenanthrene           | 2024/10/24    | NC    |          | %     | 30        |
|                |      |         | Pyrene                 | 2024/10/24    | NC    |          | %     | 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  $\leq 2 \times$  RDL).

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



Bureau Veritas Job #: C4W8659  
Report Date: 2024/10/25

SLR Consulting (Canada) Ltd.  
Client Project #: 216.030059.00002  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE OTTAWA  
Your P.O. #: OTT2947  
Sampler Initials: MS

### VALIDATION SIGNATURE PAGE

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

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Cristina Carriere, Senior Scientific Specialist

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



Confirmation of Sample Receipt

Bureau Veritas Job Number: C4W8659  
Job Received: 2024/10/18  
Final Report Due: 2024/10/28  
Disposal Date: 2024/11/17

Invoice Information

Attn: Accounts Payable  
SLR Consulting (Canada) Ltd.  
#200 – 887 Great Northern Way  
Vancouver, BC, V5T 4T5  
Email to:  
accountspayableca@slrconsulting.com  
adang@slrconsulting.com

Report Information

Attn: Matt Williamson  
SLR Consulting (Canada) Ltd.  
#200 – 887 Great Northern Way  
Vancouver, BC, V5T 4T5  
Email to:  
mwilliamson@slrconsulting.com

Project Information

Quote #: C41044  
PO/AFE#: OTT2947  
Project #: 216.030059.00002  
Site Location: SUNCOR 4000 RIVERSIDE DRIVE  
OTTAWA  
Site #: 4000 Riverside Drive  
Sampled By: MS  
Cost Object: C41044\_V2

Analytical Summary

A: Due On 2024/10/28

| Lab ID               | Client Sample ID | Sampling Date/Time  | Matrix | # Cont. | O.Reg 153 Metals & Inorganics<br>Pkg (Wtr) | O.Reg 153 PAHs | O.Reg 153 VOCs by HS & F1-F4 | Glycols in Water by GC/FID | Set Number |
|----------------------|------------------|---------------------|--------|---------|--------------------------------------------|----------------|------------------------------|----------------------------|------------|
| COC# C#1017617-01-01 |                  |                     |        |         |                                            |                |                              |                            |            |
| AGHS11               | MW24-06          | 2024/10/18<br>13:20 | GW     | 10      | A                                          | A              | A                            | A                          | 1          |
| AGHS12               | MW24-08          | 2024/10/18<br>11:00 | GW     | 10      | A                                          | A              | A                            | A                          | 1          |
| AGHS13               | DUP-1            | 2024/10/18          | GW     | 10      | A                                          | A              | A                            | A                          | 1          |
| AGHS14               | FIELD BLANK      | 2024/10/18<br>13:00 | GW     | 10      | A                                          | A              | A                            | A                          | 1          |
| AGHS15               | TRIP BLANK       | 2024/10/18<br>11:15 | GW     | 4       |                                            |                | A                            |                            | 2          |

Include Criteria on CofA: No

Sample Inspection Observations & Comments

# of Samples Received: 5  
Details: Sample(s) received in good condition.  
Average Temperature: Package 1: 6.7 °C

Additional Notes

- Unless special storage arrangements are made, all samples will be disposed 30 days after receipt. Additional fees may be applied for extended storage.
- Additional fees may be applied for the disposal of hazardous samples.

\*\*The contents of this report are subject to change. For up to date information, please refer to the Customer Portal.\*\*



## Confirmation of Sample Receipt

Bureau Veritas Job Number: C4W8659

Job Received: 2024/10/18

Final Report Due: 2024/10/28

Disposal Date: 2024/11/17

### Sample Set Listing

| Set 1 (4 Samples)                          | Set 2 (1 Sample) |
|--------------------------------------------|------------------|
| MW24-06<br>MW24-08<br>DUP-1<br>FIELD BLANK | TRIP BLANK       |

### Parameter Summary

| Package/Test                            | Parameter                 | RDL   | Unit | Set 1 | Set 2 |
|-----------------------------------------|---------------------------|-------|------|-------|-------|
| O.Reg 153 Metals & Inorganics Pkg (Wtr) | Dissolved Chloride (Cl-)  | 1     | mg/L | X     |       |
|                                         | Chromium (VI)             | 0.5   | ug/L | X     |       |
|                                         | Dissolved Antimony (Sb)   | 0.5   | ug/L | X     |       |
|                                         | Dissolved Arsenic (As)    | 1     | ug/L | X     |       |
|                                         | Dissolved Barium (Ba)     | 2     | ug/L | X     |       |
|                                         | Dissolved Beryllium (Be)  | 0.4   | ug/L | X     |       |
|                                         | Dissolved Boron (B)       | 10    | ug/L | X     |       |
|                                         | Dissolved Cadmium (Cd)    | 0.09  | ug/L | X     |       |
|                                         | Dissolved Chromium (Cr)   | 5     | ug/L | X     |       |
|                                         | Dissolved Cobalt (Co)     | 0.5   | ug/L | X     |       |
|                                         | Dissolved Copper (Cu)     | 0.9   | ug/L | X     |       |
|                                         | Dissolved Lead (Pb)       | 0.5   | ug/L | X     |       |
|                                         | Dissolved Molybdenum (Mo) | 0.5   | ug/L | X     |       |
|                                         | Dissolved Nickel (Ni)     | 1     | ug/L | X     |       |
|                                         | Dissolved Selenium (Se)   | 2     | ug/L | X     |       |
|                                         | Dissolved Silver (Ag)     | 0.09  | ug/L | X     |       |
|                                         | Dissolved Sodium (Na)     | 100   | ug/L | X     |       |
|                                         | Dissolved Thallium (Tl)   | 0.05  | ug/L | X     |       |
|                                         | Dissolved Uranium (U)     | 0.1   | ug/L | X     |       |
|                                         | Dissolved Vanadium (V)    | 0.5   | ug/L | X     |       |
| O.Reg 153 PAHs                          | Dissolved Zinc (Zn)       | 5     | ug/L | X     |       |
|                                         | Mercury (Hg)              | 0.1   | ug/L | X     |       |
|                                         | Methylnaphthalene, 2-(1-) | 0.071 | ug/L | X     |       |
|                                         | Acenaphthene              | 0.05  | ug/L | X     |       |
|                                         | Acenaphthylene            | 0.05  | ug/L | X     |       |
|                                         | Anthracene                | 0.05  | ug/L | X     |       |
|                                         | Benzo(a)anthracene        | 0.05  | ug/L | X     |       |
|                                         | Benzo(a)pyrene            | 0.009 | ug/L | X     |       |
|                                         | Benzo(b,j)fluoranthene    | 0.05  | ug/L | X     |       |
|                                         | Benzo(g,h,i)perylene      | 0.05  | ug/L | X     |       |
|                                         | Benzo(k)fluoranthene      | 0.05  | ug/L | X     |       |
|                                         | Chrysene                  | 0.05  | ug/L | X     |       |
|                                         | Dibenzo(a,h)anthracene    | 0.05  | ug/L | X     |       |



## Confirmation of Sample Receipt

Bureau Veritas Job Number: C4W8659

Job Received: 2024/10/18

Final Report Due: 2024/10/28

Disposal Date: 2024/11/17

### Parameter Summary

| Package/Test                 | Parameter                           | RDL  | Unit | Set 1 | Set 2 |
|------------------------------|-------------------------------------|------|------|-------|-------|
| O.Reg 153 PAHs               | Fluoranthene                        | 0.05 | ug/L | X     |       |
|                              | Fluorene                            | 0.05 | ug/L | X     |       |
|                              | Indeno(1,2,3-cd)pyrene              | 0.05 | ug/L | X     |       |
|                              | 1-Methylnaphthalene                 | 0.05 | ug/L | X     |       |
|                              | 2-Methylnaphthalene                 | 0.05 | ug/L | X     |       |
|                              | Naphthalene                         | 0.05 | ug/L | X     |       |
|                              | Phenanthrene                        | 0.03 | ug/L | X     |       |
|                              | Pyrene                              | 0.05 | ug/L | X     |       |
| O.Reg 153 VOCs by HS & F1-F4 | 1,3-Dichloropropene (cis+trans)     | 0.28 | ug/L | X     | X     |
|                              | F2 (C10-C16 Hydrocarbons)           | 90   | ug/L | X     | X     |
|                              | F3 (C16-C34 Hydrocarbons)           | 200  | ug/L | X     | X     |
|                              | F4 (C34-C50 Hydrocarbons)           | 200  | ug/L | X     | X     |
|                              | Reached Baseline at C50             | N/A  | ug/L | X     | X     |
|                              | Acetone (2-Propanone)               | 10   | ug/L | X     | X     |
|                              | Benzene                             | 0.17 | ug/L | X     | X     |
|                              | Bromodichloromethane                | 0.5  | ug/L | X     | X     |
|                              | Bromoform                           | 1    | ug/L | X     | X     |
|                              | Bromomethane                        | 0.5  | ug/L | X     | X     |
|                              | Carbon Tetrachloride                | 0.2  | ug/L | X     | X     |
|                              | Chlorobenzene                       | 0.2  | ug/L | X     | X     |
|                              | Chloroform                          | 0.2  | ug/L | X     | X     |
|                              | Dibromochloromethane                | 0.5  | ug/L | X     | X     |
|                              | 1,2-Dichlorobenzene                 | 0.5  | ug/L | X     | X     |
|                              | 1,3-Dichlorobenzene                 | 0.5  | ug/L | X     | X     |
|                              | 1,4-Dichlorobenzene                 | 0.5  | ug/L | X     | X     |
|                              | Dichlorodifluoromethane (FREON 12)  | 1    | ug/L | X     | X     |
|                              | 1,1-Dichloroethane                  | 0.2  | ug/L | X     | X     |
|                              | 1,2-Dichloroethane                  | 0.5  | ug/L | X     | X     |
|                              | 1,1-Dichloroethylene                | 0.2  | ug/L | X     | X     |
|                              | cis-1,2-Dichloroethylene            | 0.5  | ug/L | X     | X     |
|                              | trans-1,2-Dichloroethylene          | 0.5  | ug/L | X     | X     |
|                              | 1,2-Dichloropropane                 | 0.2  | ug/L | X     | X     |
|                              | cis-1,3-Dichloropropene             | 0.3  | ug/L | X     | X     |
|                              | trans-1,3-Dichloropropene           | 0.4  | ug/L | X     | X     |
|                              | Ethylbenzene                        | 0.2  | ug/L | X     | X     |
|                              | Ethylene Dibromide                  | 0.2  | ug/L | X     | X     |
|                              | Hexane                              | 1    | ug/L | X     | X     |
|                              | Methylene Chloride(Dichloromethane) | 2    | ug/L | X     | X     |
|                              | Methyl Ethyl Ketone (2-Butanone)    | 10   | ug/L | X     | X     |



## Confirmation of Sample Receipt

Bureau Veritas Job Number: C4W8659

Job Received: 2024/10/18

Final Report Due: 2024/10/28

Disposal Date: 2024/11/17

### Parameter Summary

| Package/Test                 | Parameter                         | RDL | Unit | Set 1 | Set 2 |
|------------------------------|-----------------------------------|-----|------|-------|-------|
| O.Reg 153 VOCs by HS & F1-F4 | Methyl Isobutyl Ketone            | 5   | ug/L | X     | X     |
|                              | Methyl t-butyl ether (MTBE)       | 0.5 | ug/L | X     | X     |
|                              | Styrene                           | 0.5 | ug/L | X     | X     |
|                              | 1,1,1,2-Tetrachloroethane         | 0.5 | ug/L | X     | X     |
|                              | 1,1,2,2-Tetrachloroethane         | 0.5 | ug/L | X     | X     |
|                              | Tetrachloroethylene               | 0.2 | ug/L | X     | X     |
|                              | Toluene                           | 0.2 | ug/L | X     | X     |
|                              | 1,1,1-Trichloroethane             | 0.2 | ug/L | X     | X     |
|                              | 1,1,2-Trichloroethane             | 0.5 | ug/L | X     | X     |
|                              | Trichloroethylene                 | 0.2 | ug/L | X     | X     |
|                              | Trichlorofluoromethane (FREON 11) | 0.5 | ug/L | X     | X     |
|                              | Vinyl Chloride                    | 0.2 | ug/L | X     | X     |
|                              | p+m-Xylene                        | 0.2 | ug/L | X     | X     |
|                              | o-Xylene                          | 0.2 | ug/L | X     | X     |
|                              | Total Xylenes                     | 0.2 | ug/L | X     | X     |
|                              | F1 (C6-C10)                       | 25  | ug/L | X     | X     |
|                              | F1 (C6-C10) - BTEX                | 25  | ug/L | X     | X     |
|                              | VOCPLUS Required?                 | N/A | ug/L | X     | X     |
| Glycols in Water by GC/FID   | Propylene Glycol                  | 5   | mg/L | X     |       |
|                              | Ethylene Glycol                   | 5   | mg/L | X     |       |
|                              | Diethylene Glycol                 | 5   | mg/L | X     |       |
|                              | Total Glycol                      | 5   | mg/L | X     |       |

*\*RDLs are subject to change based on interferences present at the time of analysis.*

C4W8659  
2024/10/18 15:45

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

CH

Page 1 of 1



NONT-2024-10-4715

Order #:

1017617

Project Manager:

Keshani Vigh

INVOICE TO:  
Company Name: #39437 SLR Consulting (Canada) Ltd.  
Attention: Accounts Payable  
Address: #200 - 887 Great Northern Way  
Vancouver BC V5T 4T5  
Tel: (604) 738-2500 Fax: (604) 738-2542  
Email: accounts payable@slrconsulting.com; adang@slrcons

REPORT TO:  
Company Name: SLR Consulting (Canada) Ltd.  
Attention: Matt Williamson  
Address: 100 Stone Road West, Suite 201  
Guelph, ON N4G 5L3  
Tel: 226-766-8088 Fax:  
Email: mwilliamson@slrconsulting.com

PROJECT INFORMATION:  
Quotation #: C41044  
P.O. #: C4W2258235 OTT 2947  
Project: 216.030059.00002  
Project Name: Sunco 4000 Riverside Drive Ottawa  
Site #: 4000 Riverside Drive  
Sampled By: MS/EJ

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

Regulation 153 (2011)  
☐ Table 1 ☐ Res/Park ☐ Medium/Fine  
☐ Table 2 ☒ Ind/Comm ☒ Coarse  
☒ Table 3 ☐ Agri/Other ☐ For RSC  
☐ Table  
Other Regulations  
☐ CCME ☐ Sanitary Sewer Bylaw  
☐ Reg 558 ☐ Storm Sewer Bylaw  
☐ MISA ☐ Municipality  
☐ PWO ☐ Reg 405 Table  
☐ Other

Special Instructions

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

| Sample Barcode Label | Sample (Location) Identification | Date Sampled | Time Sampled | Matrix |
|----------------------|----------------------------------|--------------|--------------|--------|
| 1 N/A                | MW24-06                          | 2024/10/18   | 13:20        | GW     |
| 2                    | MW24-08                          | 2024/10/18   | 11:00        | GW     |
| 3                    | Dup-1                            | 2024/10/18   | -            | GW     |
| 4                    |                                  |              |              |        |
| 5                    |                                  |              |              |        |
| 6                    | FIELD BLANK                      | 2024/10/18   | 13:00        | Water  |
| 7                    | TRIP BLANK                       | 2024/10/18   | 11:15        | Water  |
| 8                    |                                  |              |              |        |
| 9                    |                                  |              |              |        |
| 10                   |                                  |              |              |        |

Field Filtered (please circle)

Metals (Hg, Cr, V)

0 Reg 153 Metals & Inorganics Pkg (no cyanide)

Cycle in Water by GC/MS

0 Reg 153 VOCs by MS & F+G

0 Reg 153 PAHs

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

Turnaround Time (TAT) Required:

Please provide advance notice for rush projects

Regular (Standard) TAT:

(will be applied if Rush TAT is not specified)

Standard TAT = 5-7 Working days for most tests.

Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)

Date Required: Time Required:

Rush Confirmation Number: (call lab for #)

# of Bottles: Comments:

10

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16

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\* RELINQUISHED BY: (Signature/Print) Date: (YY/MM/DD) Time RECEIVED BY: (Signature/Print) Date: (YY/MM/DD) Time  
Melanie McLaughlin St Cyr 24/10/18 13:50 Anayela Saeed 2024/10/18 15:45  
CNE SUGAR SKIVAN 2024/10/19 08:28

# Jars used and not submitted Laboratory Use Only  
Time Sensitive Temperature (°C) on Receipt  
51.8.7 ice

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

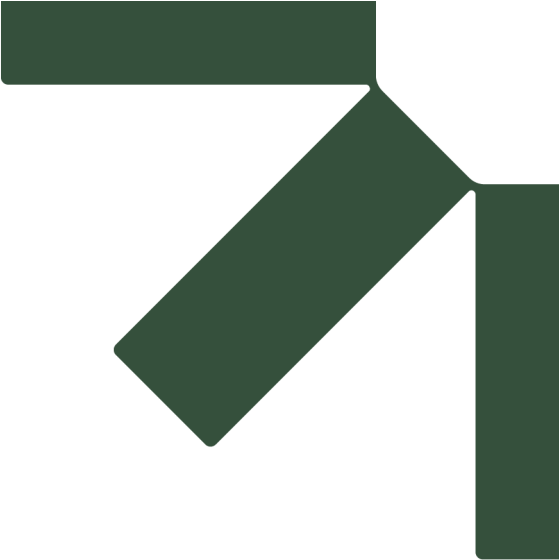
\* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

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

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

White: Bureau Veritas Yellow: Client

Custody Seal Present Intact  
Cooling Media Yes No



# Appendix D Data Quality Review

## Phase II Environmental Site Investigation

Active Petro-Canada Retail Fuel Outlet No. 35197  
4000 Riverside Drive, Ottawa, Ontario

**Suncor Energy Products Partnership**

SLR Project No.: 216.030059.00002

November 25, 2024

## Appendix D Quality Assurance/Quality Control – Data Quality Review

|                                                              |                                                                |                             |                                      |                                            |
|--------------------------------------------------------------|----------------------------------------------------------------|-----------------------------|--------------------------------------|--------------------------------------------|
| <b>Project No.:</b> 216.030059.00002                         | <b>Project Name:</b> Phase II Environmental Site Investigation |                             |                                      |                                            |
| <b>Client Site No.:</b> 35197                                | <b>Project Location:</b> 4000 Riverside Drive, Ottawa          |                             |                                      |                                            |
| <b>Analytical Certificate No. or Work Order No.:</b> C4V3527 |                                                                |                             | <b>Date Issued:</b> October 15, 2024 |                                            |
| <b>Chain of Custody Form No(s):</b>                          |                                                                |                             |                                      |                                            |
| <input checked="" type="checkbox"/> Soil:                    |                                                                | C#1013277-01-01             |                                      |                                            |
| <input type="checkbox"/> Water:                              |                                                                |                             |                                      |                                            |
| <input type="checkbox"/> Soil Vapour:                        |                                                                |                             |                                      |                                            |
| <b>Sample Schedule</b>                                       |                                                                |                             |                                      |                                            |
|                                                              | <b>Date Sampled</b>                                            | <b>Date Received by Lab</b> | <b>Date Analysis Completed</b>       | <b>Reporting Turn-Around Time (T.A.T.)</b> |
| <b>Water:</b>                                                | n/a                                                            | n/a                         | n/a                                  | n/a                                        |
| <b>Soil:</b>                                                 | October 1 to 3, 2024                                           | October 4, 2024             | October 8 - 12, 2024                 | 8 - 12 days                                |
| <b>Soil Vapour:</b>                                          | n/a                                                            | n/a                         | n/a                                  | n/a                                        |

**Comments:**

**Name and location of laboratory:** BVLABs, Mississauga, ON

### Sample Summary

| Matrix              | Soil | Water | Soil Vapour |
|---------------------|------|-------|-------------|
| No. of Samples      | 10   | n/a   | n/a         |
| No. of Duplicates   | n/a  | n/a   | n/a         |
| No. of Field Blanks | n/a  | n/a   | n/a         |
| No. of Trip Blanks  | n/a  | n/a   | n/a         |

### QA/QC – Laboratory

| QC Parameter       | Soil                          | Water | Soil Vapour |
|--------------------|-------------------------------|-------|-------------|
| Method Blank       | Acceptable                    | n/a   | n/a         |
| Duplicate          | Acceptable                    | n/a   | n/a         |
| Matrix Spike       | Not Acceptable <sup>1,2</sup> | n/a   | n/a         |
| Method Blank Spike | Acceptable                    | n/a   | n/a         |
| Surrogate Recovery | Acceptable                    | n/a   | n/a         |



#### Comments:

- 1) A matrix spike of 144% for acetone was detected by the laboratory. This high value was outside the acceptable limits of 60 – 140%. This could represent a high bias for this parameter. A review of the impacted parameter found that the concentration of acetone was below the reportable detection limit (RDL) of 0.49 µg/L. This laboratory quality flag would therefore not have material impact on the interpretation of the data and the data is considered reliable.
- 2) A matrix spike of 146% for methyl ethyl ketone was detected by the laboratory. This high value was outside the acceptable limits of 60 – 140%. This could represent a high bias for this parameter. A review of the impacted parameter found that the concentration of methyl ethyl ketone was below the reportable detection limit (RDL) of 0.40 µg/L. This laboratory quality flag would therefore not have material impact on the interpretation of the data and the data is considered reliable.

### QA/QC – Field

| QC Parameter       | Soil        | Water | Soil Vapour |
|--------------------|-------------|-------|-------------|
| Temperature at Lab | 7.0 degrees | n/a   | n/a         |
| Travel Blank       | n/a         | n/a   | n/a         |
| Field Blank        | n/a         | n/a   | n/a         |
| Duplicate          | n/a         | n/a   | n/a         |

#### Comments:

### Other Data Reportables

|                                                                                 | Yes/No |
|---------------------------------------------------------------------------------|--------|
| 1. Has the CoA been signed off?                                                 | Yes    |
| 2. Has lab warranted all tests were in statistical control in CoA?              | Yes    |
| 3. Has lab warranted all tests were analyzed following SOP's in CoA?            | Yes    |
| 4. Were all samples analyzed within hold times?                                 | Yes    |
| 5. All volatile organic carbon (VOC) compounds methanol preserved in the field? | Yes    |
| 6. Is Chain of Custody completed and signed?                                    | Yes    |
| 7. Were sample temperatures acceptable when they reached the lab?               | Yes    |
| 8. Were custody seals present and intact?                                       | Yes    |

### Data Quality Waiver

Was a Data Quality Waiver (DQW) issued (Yes/No)?: No

Date Issued: n/a

Date of Response: n/a



## Data Reliability

Is the data considered to be reliable (Yes/No)?: Yes

If answer is "No", describe and provide rationale:

---

Reviewed by (Print): Matthew Williamson

Date: October 30, 2024



## Appendix D Quality Assurance/Quality Control – Data Quality Review

|                                                              |                                                                |                             |                                      |                                            |
|--------------------------------------------------------------|----------------------------------------------------------------|-----------------------------|--------------------------------------|--------------------------------------------|
| <b>Project No.:</b> 216.030059.00002                         | <b>Project Name:</b> Phase II Environmental Site Investigation |                             |                                      |                                            |
| <b>Client Site No.:</b> 35197                                | <b>Project Location:</b> 4000 Riverside Drive, Ottawa          |                             |                                      |                                            |
| <b>Analytical Certificate No. or Work Order No.:</b> C4W1825 |                                                                |                             | <b>Date Issued:</b> October 21, 2024 |                                            |
| <b>Chain of Custody Form No(s):</b>                          |                                                                |                             |                                      |                                            |
| <input checked="" type="checkbox"/> Soil:                    |                                                                | C#1013277-01-01             |                                      |                                            |
| <input type="checkbox"/> Water:                              |                                                                |                             |                                      |                                            |
| <input type="checkbox"/> Soil Vapour:                        |                                                                |                             |                                      |                                            |
| <b>Sample Schedule</b>                                       |                                                                |                             |                                      |                                            |
|                                                              | <b>Date Sampled</b>                                            | <b>Date Received by Lab</b> | <b>Date Analysis Completed</b>       | <b>Reporting Turn-Around Time (T.A.T.)</b> |
| <b>Water:</b>                                                | n/a                                                            | n/a                         | n/a                                  | n/a                                        |
| <b>Soil:</b>                                                 | October 10, 2024                                               | October 11, 2024            | October 17 - 18, 2024                | 8 - 9 days                                 |
| <b>Soil Vapour:</b>                                          | n/a                                                            | n/a                         | n/a                                  | n/a                                        |

**Comments:**

**Name and location of laboratory:** BVLABs, Mississauga, ON

### Sample Summary

| Matrix              | Soil | Water | Soil Vapour |
|---------------------|------|-------|-------------|
| No. of Samples      | 1    | n/a   | n/a         |
| No. of Duplicates   | n/a  | n/a   | n/a         |
| No. of Field Blanks | n/a  | n/a   | n/a         |
| No. of Trip Blanks  | n/a  | n/a   | n/a         |

### QA/QC – Laboratory

| QC Parameter       | Soil       | Water | Soil Vapour |
|--------------------|------------|-------|-------------|
| Method Blank       | Acceptable | n/a   | n/a         |
| Duplicate          | Acceptable | n/a   | n/a         |
| Matrix Spike       | Acceptable | n/a   | n/a         |
| Method Blank Spike | Acceptable | n/a   | n/a         |
| Leachate Blank     | Acceptable | n/a   | n/a         |
| Surrogate Recovery | Acceptable | n/a   | n/a         |



**Comments:**

---

## QA/QC – Field

| QC Parameter       | Soil                               | Water | Soil Vapour |
|--------------------|------------------------------------|-------|-------------|
| Temperature at Lab | 6.7 and 9.3 degrees<br>(2 coolers) | n/a   | n/a         |
| Travel Blank       | n/a                                | n/a   | n/a         |
| Field Blank        | n/a                                | n/a   | n/a         |
| Duplicate          | n/a                                | n/a   | n/a         |

**Comments:**

---

## Other Data Reportables

|                                                                                 | Yes/No |
|---------------------------------------------------------------------------------|--------|
| 1. Has the CoA been signed off?                                                 | Yes    |
| 2. Has lab warranted all tests were in statistical control in CoA?              | Yes    |
| 3. Has lab warranted all tests were analyzed following SOP's in CoA?            | Yes    |
| 4. Were all samples analyzed within hold times?                                 | Yes    |
| 5. All volatile organic carbon (VOC) compounds methanol preserved in the field? | n/a    |
| 6. Is Chain of Custody completed and signed?                                    | Yes    |
| 7. Were sample temperatures acceptable when they reached the lab?               | Yes    |
| 8. Were custody seals present and intact?                                       | Yes    |

## Data Quality Waiver

Was a Data Quality Waiver (DQW) issued (Yes/No)?: No

Date Issued: n/a

Date of Response: n/a

## Data Reliability

Is the data considered to be reliable (Yes/No)?: Yes

If answer is "No", describe and provide rationale:

---

Reviewed by (Print): Matthew Williamson

Date: October 30, 2024



## Appendix D Quality Assurance/Quality Control – Data Quality Review

|                                                              |                                                                |                             |                                      |                                            |
|--------------------------------------------------------------|----------------------------------------------------------------|-----------------------------|--------------------------------------|--------------------------------------------|
| <b>Project No.:</b> 216.030059.00002                         | <b>Project Name:</b> Phase II Environmental Site Investigation |                             |                                      |                                            |
| <b>Client Site No.:</b> 35197                                | <b>Project Location:</b> 4000 Riverside Drive, Ottawa          |                             |                                      |                                            |
| <b>Analytical Certificate No. or Work Order No.:</b> C4W1831 |                                                                |                             | <b>Date Issued:</b> October 22, 2024 |                                            |
| <b>Chain of Custody Form No(s):</b>                          |                                                                |                             |                                      |                                            |
| <input checked="" type="checkbox"/> Soil:                    |                                                                | C#1013277-01-01             |                                      |                                            |
| <input type="checkbox"/> Water:                              |                                                                |                             |                                      |                                            |
| <input type="checkbox"/> Soil Vapour:                        |                                                                |                             |                                      |                                            |
| <b>Sample Schedule</b>                                       |                                                                |                             |                                      |                                            |
|                                                              | <b>Date Sampled</b>                                            | <b>Date Received by Lab</b> | <b>Date Analysis Completed</b>       | <b>Reporting Turn-Around Time (T.A.T.)</b> |
| <b>Water:</b>                                                | n/a                                                            | n/a                         | n/a                                  | n/a                                        |
| <b>Soil:</b>                                                 | October 7 - 10, 2024                                           | October 11, 2024            | October 15 - 22, 2024                | 8 - 15 days                                |
| <b>Soil Vapour:</b>                                          | n/a                                                            | n/a                         | n/a                                  | n/a                                        |

**Comments:**

**Name and location of laboratory:** BVLABs, Mississauga, ON

### Sample Summary

| Matrix              | Soil | Water | Soil Vapour |
|---------------------|------|-------|-------------|
| No. of Samples      | 18   | n/a   | n/a         |
| No. of Duplicates   | 2    | n/a   | n/a         |
| No. of Field Blanks | n/a  | n/a   | n/a         |
| No. of Trip Blanks  | n/a  | n/a   | n/a         |

### QA/QC – Laboratory

| QC Parameter       | Soil                        | Water | Soil Vapour |
|--------------------|-----------------------------|-------|-------------|
| Method Blank       | Acceptable                  | n/a   | n/a         |
| Duplicate          | Acceptable                  | n/a   | n/a         |
| Matrix Spike       | Acceptable                  | n/a   | n/a         |
| Method Blank Spike | Acceptable                  | n/a   | n/a         |
| Surrogate Recovery | Not Acceptable <sup>1</sup> | n/a   | n/a         |



**Comments:**

- 1) A surrogate recovery of 146% for D10-o-xylene was detected by the laboratory. This high value was outside the acceptable limits of 70 – 130%. This could represent a high bias for this parameter. A review of the impacted parameter found that the concentration of o-xylene was below the reportable detection limit (RDL) of 0.20 µg/L. This laboratory quality flag would therefore not have material impact on the interpretation of the data and the data is considered reliable.

## QA/QC – Field

| QC Parameter       | Soil                         | Water | Soil Vapour |
|--------------------|------------------------------|-------|-------------|
| Temperature at Lab | 6.7, 9.3 degrees (2 coolers) | n/a   | n/a         |
| Travel Blank       | n/a                          | n/a   | n/a         |
| Field Blank        | n/a                          | n/a   | n/a         |
| Duplicate          | n/a                          | n/a   | n/a         |

**Comments:**

## Other Data Reportables

|                                                                                 | Yes/No |
|---------------------------------------------------------------------------------|--------|
| 1. Has the CoA been signed off?                                                 | Yes    |
| 2. Has lab warranted all tests were in statistical control in CoA?              | Yes    |
| 3. Has lab warranted all tests were analyzed following SOP's in CoA?            | Yes    |
| 4. Were all samples analyzed within hold times?                                 | Yes    |
| 5. All volatile organic carbon (VOC) compounds methanol preserved in the field? | Yes    |
| 6. Is Chain of Custody completed and signed?                                    | Yes    |
| 7. Were sample temperatures acceptable when they reached the lab?               | Yes    |
| 8. Were custody seals present and intact?                                       | Yes    |

## Data Quality Waiver

Was a Data Quality Waiver (DQW) issued (Yes/No)?: No

Date Issued: n/a

Date of Response: n/a



## Data Reliability

Is the data considered to be reliable (Yes/No)?: Yes

If answer is "No", describe and provide rationale:

---

Reviewed by (Print): Matthew Williamson

Date: October 30, 2024



## Appendix D Quality Assurance/Quality Control – Data Quality Review

|                                                              |                                                                |                             |                                      |                                            |
|--------------------------------------------------------------|----------------------------------------------------------------|-----------------------------|--------------------------------------|--------------------------------------------|
| <b>Project No.:</b> 216.030059.00002                         | <b>Project Name:</b> Phase II Environmental Site Investigation |                             |                                      |                                            |
| <b>Client Site No.:</b> 35197                                | <b>Project Location:</b> 4000 Riverside Drive, Ottawa          |                             |                                      |                                            |
| <b>Analytical Certificate No. or Work Order No.:</b> C4W8659 |                                                                |                             | <b>Date Issued:</b> October 25, 2024 |                                            |
| <b>Chain of Custody Form No(s):</b>                          |                                                                |                             |                                      |                                            |
| <input type="checkbox"/> Soil:                               |                                                                |                             |                                      |                                            |
| <input checked="" type="checkbox"/> Water: C#1017617-01-01   |                                                                |                             |                                      |                                            |
| <input type="checkbox"/> Soil Vapour:                        |                                                                |                             |                                      |                                            |
| <b>Sample Schedule</b>                                       |                                                                |                             |                                      |                                            |
|                                                              | <b>Date Sampled</b>                                            | <b>Date Received by Lab</b> | <b>Date Analysis Completed</b>       | <b>Reporting Turn-Around Time (T.A.T.)</b> |
| <b>Water:</b>                                                | October 18, 2024                                               | October 18, 2024            | October 23 - 25, 2024                | 6 - 8 days                                 |
| <b>Soil:</b>                                                 | n/a                                                            | n/a                         | n/a                                  | n/a                                        |
| <b>Soil Vapour:</b>                                          | n/a                                                            | n/a                         | n/a                                  | n/a                                        |

**Comments:**

**Name and location of laboratory:** BVLABs, Mississauga, ON

## Sample Summary

| Matrix              | Soil | Water | Soil Vapour |
|---------------------|------|-------|-------------|
| No. of Samples      | n/a  | 5     | n/a         |
| No. of Duplicates   | n/a  | 1     | n/a         |
| No. of Field Blanks | n/a  | 1     | n/a         |
| No. of Trip Blanks  | n/a  | 1     | n/a         |

## QA/QC – Laboratory

| QC Parameter       | Soil | Water                       | Soil Vapour |
|--------------------|------|-----------------------------|-------------|
| Method Blank       | n/a  | Acceptable                  | n/a         |
| Duplicate          | n/a  | Acceptable                  | n/a         |
| Matrix Spike       | n/a  | Not Acceptable <sup>1</sup> | n/a         |
| Method Blank Spike | n/a  | Acceptable                  | n/a         |
| Reference Material | n/a  | Acceptable                  | n/a         |
| Surrogate Recovery | n/a  | Acceptable                  | n/a         |



**Comments:**

- 1) A matrix spike recovery of 131% for fluoranthene was detected by the laboratory. This high value was outside the acceptable limits of 50 – 130%. This could represent a high bias for this parameter. A review of the impacted parameter found that the concentration of fluoranthene was below the reportable detection limit (RDL) of 0.050 µg/L. This laboratory quality flag would therefore not have material impact on the interpretation of the data and the data is considered reliable.

## QA/QC – Field

| QC Parameter       | Soil | Water                  | Soil Vapour |
|--------------------|------|------------------------|-------------|
| Temperature at Lab | n/a  | 6.7 degrees (1 cooler) | n/a         |
| Travel Blank       | n/a  | 1                      | n/a         |
| Field Blank        | n/a  | 1                      | n/a         |
| Duplicate          | n/a  | 1                      | n/a         |

**Comments:**

## Other Data Reportables

|                                                                                 | Yes/No |
|---------------------------------------------------------------------------------|--------|
| 1. Has the CoA been signed off?                                                 | Yes    |
| 2. Has lab warranted all tests were in statistical control in CoA?              | Yes    |
| 3. Has lab warranted all tests were analyzed following SOP's in CoA?            | Yes    |
| 4. Were all samples analyzed within hold times?                                 | Yes    |
| 5. All volatile organic carbon (VOC) compounds methanol preserved in the field? | n/a    |
| 6. Is Chain of Custody completed and signed?                                    | Yes    |
| 7. Were sample temperatures acceptable when they reached the lab?               | Yes    |
| 8. Were custody seals present and intact?                                       | Yes    |

## Data Quality Waiver

Was a Data Quality Waiver (DQW) issued (Yes/No)?: No

Date Issued: n/a

Date of Response: n/a



## Data Reliability

Is the data considered to be reliable (Yes/No)?: Yes

If answer is "No", describe and provide rationale:

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Reviewed by (Print): Matthew Williamson

Date: October 31, 2024



Table 1D - Summary of Soil Relative Percent Differences

| Sample ID                             | Units    | MECP Alert<br>Limit Criteria<br>(%) for Field<br>Duplicates * | RDL    | BH24-06_16<br>16.61 | DUP-1     | RPD<br>(%) | BH24-<br>08_16.76-<br>17.37 | DUP-2     | RPD<br>(%) |
|---------------------------------------|----------|---------------------------------------------------------------|--------|---------------------|-----------|------------|-----------------------------|-----------|------------|
| Date                                  |          |                                                               |        | 08-Oct-24           | 08-Oct-24 |            | 09-Oct-24                   | 09-Oct-24 |            |
| PHCs                                  |          |                                                               |        |                     |           |            |                             |           |            |
| Benzene                               | µg/g     | 30                                                            | 0.02   | <0.02               | <0.02     | NC         | <0.02                       | <0.02     | NC         |
| Toluene                               | µg/g     | 30                                                            | 0.02   | <0.02               | <0.02     | NC         | <0.02                       | <0.02     | NC         |
| Ethylbenzene                          | µg/g     | 30                                                            | 0.01   | <0.02               | <0.02     | NC         | <0.02                       | <0.02     | NC         |
| Xylene (o)                            | µg/g     | 30                                                            | 0.02   | <0.02               | <0.02     | NC         | <0.02                       | <0.02     | NC         |
| Xylene (m & p)                        | µg/g     | 30                                                            | 0.04   | <0.04               | <0.04     | NC         | <0.04                       | <0.04     | NC         |
| Xylene Mixture                        | µg/g     | 30                                                            | 0.04   | <0.04               | <0.04     | NC         | <0.04                       | <0.04     | NC         |
| Petroleum Hydrocarbons F1             | µg/g     | 30                                                            | 10     | <10                 | <10       | NC         | <10                         | <10       | NC         |
| Petroleum Hydrocarbons F1 (less BTEX) | µg/g     | 30                                                            | 10     | <10                 | <10       | NC         | <10                         | <10       | NC         |
| Petroleum Hydrocarbons F2             | µg/g     | 30                                                            | 7      | <7                  | <7        | NC         | <7                          | <7        | NC         |
| Petroleum Hydrocarbons F3             | µg/g     | 30                                                            | 50     | <50                 | <50       | NC         | <50                         | <50       | NC         |
| Petroleum Hydrocarbons F4             | µg/g     | 30                                                            | 50     | <50                 | <50       | NC         | <50                         | <50       | NC         |
| PAHs                                  |          |                                                               |        |                     |           |            |                             |           |            |
| Acenaphthylene                        | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Acenaphthene                          | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Anthracene                            | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Benzo[a]anthracene                    | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Benzo[b+k]fluoranthene                | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Benzo[g h i]perylene                  | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Benzo[k]fluoranthene                  | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Benzo[a]pyrene                        | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Chrysene                              | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Dibenz[a h]anthracene                 | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Fluoranthene                          | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.0050                     | <0.0050   | NC         |
| Fluorene                              | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Indeno[1 2 3-cd]pyrene                | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Methylnaphthalene, 1-                 | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Methylnaphthalene, 2-                 | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Methylnaphthalene, 2-(1-)             | µg/g     | 40                                                            | 0.0071 | -                   | -         | NC         | <0.0071                     | <0.0071   | NC         |
| Naphthalene                           | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Phenanthrene                          | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Pyrene                                | µg/g     | 40                                                            | 0.005  | -                   | -         | NC         | <0.005                      | <0.005    | NC         |
| Metals                                |          |                                                               |        |                     |           |            |                             |           |            |
| pH (Lab)                              | pH Units | +/- .3                                                        |        | -                   | -         | NC         | 7.9                         | 7.84      | NC         |
| Antimony                              | µg/g     | 40                                                            | -      | -                   | -         | NC         | <0.2                        | <0.2      | NC         |
| Arsenic                               | µg/g     | 40                                                            | 1      | -                   | -         | NC         | <1                          | <1        | NC         |
| Barium                                | µg/g     | 40                                                            | 0.5    | -                   | -         | NC         | 36                          | 33        | 8.70       |
| Beryllium                             | µg/g     | 40                                                            | 0.2    | -                   | -         | NC         | <0.2                        | <0.2      | NC         |
| Boron (Total)                         | ug/g     | 40                                                            | 5      | -                   | -         | NC         | <5                          | <5        | NC         |
| Boron (Hot Water Soluble)             | µg/g     | 40                                                            | 0.05   | -                   | -         | NC         | 0.051                       | 0         | NC         |
| Cadmium                               | µg/g     | 40                                                            | 0.1    | -                   | -         | NC         | <0.1                        | <0.1      | NC         |
| Chromium VI                           | µg/g     | 35                                                            | 0.18   | -                   | -         | NC         | <0.18                       | <0.18     | NC         |
| Chromium Total                        | µg/g     | 40                                                            | 1      | -                   | -         | NC         | 11                          | 9.4       | 15.69      |
| Cobalt                                | µg/g     | 40                                                            | 0.1    | -                   | -         | NC         | 3.7                         | 3.6       | 2.74       |
| Copper                                | µg/g     | 40                                                            | 0.5    | -                   | -         | NC         | 6                           | 5.8       | 3.39       |
| Lead                                  | µg/g     | 40                                                            | 1      | -                   | -         | NC         | 1.9                         | 1.8       | NC         |
| Mercury                               | µg/g     | 30                                                            | 0.05   | -                   | -         | NC         | <0.05                       | <0.05     | NC         |
| Molybdenum                            | µg/g     | 40                                                            | 0.5    | -                   | -         | NC         | <0.5                        | <0.5      | NC         |
| Nickel                                | µg/g     | 40                                                            | 0.5    | -                   | -         | NC         | 5.1                         | 4.8       | 6.06       |
| Selenium                              | µg/g     | 40                                                            | 0.5    | -                   | -         | NC         | <0.5                        | <0.5      | NC         |
| Silver                                | µg/g     | 40                                                            | 0.2    | -                   | -         | NC         | <0.2                        | <0.2      | NC         |
| Thallium                              | µg/g     | 40                                                            | 0.05   | -                   | -         | NC         | <0.050                      | <0.050    | NC         |
| Uranium                               | µg/g     | 40                                                            | 0.05   | -                   | -         | NC         | 0.62                        | 0.62      | 0          |
| Vanadium                              | µg/g     | 40                                                            | 5      | -                   | -         | NC         | 31                          | 29        | 6.67       |
| Zinc                                  | µg/g     | 40                                                            | 5      | -                   | -         | NC         | 10                          | 9.2       | NC         |
| Inorganics                            |          |                                                               |        |                     |           |            |                             |           |            |
| Sodium Absorption Ratio               | N/A      | 40                                                            |        | -                   | -         | NC         | 5.1                         | 5         | NC         |
| Electrical Conductivity (mS/cm)       | mS/cm    | 40                                                            | 0.002  | -                   | -         | NC         | 0.2                         | 0.19      | 5.13       |
| Glycols                               |          |                                                               |        |                     |           |            |                             |           |            |
| Ethylene glycol                       | µg/g     | 40                                                            | 10     | -                   | -         | NC         | <10                         | <10       | NC         |
| Diethylene glycol                     | µg/g     | 40                                                            | 10     | -                   | -         | NC         | <10                         | <10       | NC         |
| Propylene glycol                      | µg/g     | 40                                                            | 10     | -                   | -         | NC         | <10                         | <10       | NC         |
| Total Glycols                         | µg/g     | 40                                                            | 10     | -                   | -         | NC         | <10                         | <10       | NC         |

**Notes:**  
\* Limits provided by MECP(2021)  
µg/g - micrograms per gram  
< - less than analytical detection limit  
'-' - sample not analyzed for parameter indicated  
NC - not calculated due to concentration less than 5x RDL  
RDL - reportable detection limit  
RPD - Relative Percentage Difference  

**BOLD**

 RPD Exceeds Alert Limit Criteria for Field Duplicates



Table 2D - Summary of Groundwater Relative Percent Differences

| Sample ID                             | Units | MECP AlertLimit<br>Criteria (%) for<br>Field<br>Duplicates* | RDL   | MW24-08   | DUP-1     | RPD<br>(%) |
|---------------------------------------|-------|-------------------------------------------------------------|-------|-----------|-----------|------------|
| Date                                  |       |                                                             |       | 18-Oct-24 | 18-Oct-24 |            |
| PHCs                                  |       |                                                             |       |           |           |            |
| Benzene                               | µg/L  | 30                                                          | 0.17  | <0.17     | <0.17     | NC         |
| Toluene                               | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Ethylbenzene                          | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Xylene (o)                            | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Xylene (m & p)                        | µg/L  | 30                                                          | 0.2   | <0.2      | 0.2       | NC         |
| Xylene Mixture                        | µg/L  | 30                                                          | 0.2   | <0.2      | 0.2       | NC         |
| Petroleum Hydrocarbons F1             | µg/L  | 30                                                          | 25    | <25       | <25       | NC         |
| Petroleum Hydrocarbons F1 (less BTEX) | µg/L  | 30                                                          | 25    | <25       | <25       | NC         |
| Petroleum Hydrocarbons F2             | µg/L  | 30                                                          | 90    | <90       | <90       | NC         |
| Petroleum Hydrocarbons F3             | µg/L  | 30                                                          | 200   | <200      | <200      | NC         |
| Petroleum Hydrocarbons F4             | µg/L  | 30                                                          | 200   | <200      | <200      | NC         |
| VOCs                                  |       |                                                             |       |           |           |            |
| Acetone                               | µg/L  | 30                                                          | 10    | <10       | <10       | NC         |
| Bromodichloromethane                  | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Bromoform                             | µg/L  | 30                                                          | 1     | <1        | <1        | NC         |
| Bromomethane                          | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Carbon Tetrachloride                  | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Chlorobenzene                         | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Chloroform                            | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Dibromochloromethane                  | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Dichlorobenzene, 1,2-                 | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Dichlorobenzene, 1,3-                 | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Dichlorobenzene, 1,4-                 | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Dichlorodifluoromethane               | µg/L  | 30                                                          | 1     | <1        | <1        | NC         |
| Dichloroethane, 1,1-                  | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Dichloroethane, 1,2-                  | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Dichloroethylene, 1,1-                | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Dichloroethylene, 1,2-cis-            | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Dichloroethylene, 1,2-trans-          | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Dichloropropane, 1,2-                 | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Dichloropropene, 1,3-                 | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Dichloropropene, 1,3-cis-             | µg/L  | 30                                                          | 0.3   | <0.3      | <0.3      | NC         |
| Dichloropropene, 1,3-trans-           | µg/L  | 30                                                          | 0.4   | <0.4      | <0.4      | NC         |
| Ethylene dibromide                    | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Hexane (n)                            | µg/L  | 30                                                          | 1     | <1        | <1        | NC         |
| Methylene chloride                    | µg/L  | 30                                                          | 2     | <2        | <2        | NC         |
| Methyl Ethyl Ketone (MEK)             | µg/L  | 30                                                          | 10    | <10       | <10       | NC         |
| Methyl Isobutyl Ketone (MIK)          | µg/L  | 30                                                          | 5     | <5        | <5        | NC         |
| Methyl tert-Butyl Ether (MTBE)        | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Styrene                               | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Tetrachloroethane, 1,1,1,2-           | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Tetrachloroethane, 1,1,2,2-           | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Tetrachloroethylene                   | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Trichloroethane, 1,1,1-               | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Trichloroethane, 1,1,2-               | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Trichloroethylene                     | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| Trichlorofluoromethane                | µg/L  | 30                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Vinyl chloride                        | µg/L  | 30                                                          | 0.2   | <0.2      | <0.2      | NC         |
| PAHs                                  |       |                                                             |       |           |           |            |
| Acenaphthylene                        | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Acenaphthene                          | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Anthracene                            | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Benzo[a]anthracene                    | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Benzo[b+k]fluoranthene                | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Benzo[g h i]perylene                  | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Benzo[k]fluoranthene                  | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Benzo[a]pyrene                        | µg/L  | 30                                                          | 0.009 | <0.009    | <0.009    | NC         |
| Chrysene                              | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Dibenz[a h]anthracene                 | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Fluoranthene                          | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Fluorene                              | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Indeno[1 2 3-cd]pyrene                | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Methylnaphthalene, 1-                 | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Methylnaphthalene, 2-                 | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Methylnaphthalene, 2-(1-)             | µg/L  | 30                                                          | 0.071 | <0.071    | <0.071    | NC         |
| Naphthalene                           | µg/L  | 30                                                          | 0.05  | 0.098     | 0.085     | NC         |
| Phenanthrene                          | µg/L  | 30                                                          | 0.03  | <0.03     | <0.03     | NC         |
| Pyrene                                | µg/L  | 30                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Metals                                |       |                                                             |       |           |           |            |
| Antimony (Filtered)                   | µg/L  | 20                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Arsenic (Filtered)                    | µg/L  | 20                                                          | 1     | <1        | <1        | NC         |
| Barium (Filtered)                     | µg/L  | 20                                                          | 2     | 54        | 54        | 0          |
| Beryllium (Filtered)                  | µg/L  | 20                                                          | 0.4   | <0.4      | <0.4      | NC         |
| Boron (Total) (Filtered)              | µg/L  | 20                                                          | 10    | 15        | 15        | NC         |
| Cadmium (Filtered)                    | µg/L  | 20                                                          | 0.09  | <0.09     | <0.09     | NC         |
| Chromium VI                           | µg/L  | 20                                                          | 0.5   | 0.91      | 0.89      | NC         |
| Chromium Total (Filtered)             | µg/L  | 20                                                          | 5     | <5        | <5        | NC         |
| Cobalt (Filtered)                     | µg/L  | 20                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Copper (Filtered)                     | µg/L  | 20                                                          | 0.9   | 1.1       | <0.9      | NC         |
| Lead (Filtered)                       | µg/L  | 20                                                          | 0.5   | <0.5      | <0.5      | NC         |
| Mercury                               | µg/L  | 20                                                          | 0.1   | <0.1      | <0.1      | NC         |
| Molybdenum (Filtered)                 | µg/L  | 20                                                          | 0.5   | 0.89      | 0.86      | NC         |
| Nickel (Filtered)                     | µg/L  | 20                                                          | 1     | <1        | <1        | NC         |
| Selenium (Filtered)                   | µg/L  | 20                                                          | 2     | <2        | <2        | NC         |
| Silver (Filtered)                     | µg/L  | 20                                                          | 0.09  | <0.09     | <0.09     | NC         |
| Sodium (Filtered)                     | µg/L  | 20                                                          | 0.1   | 450       | 470       | 4.35       |
| Thallium (Filtered)                   | µg/L  | 20                                                          | 0.05  | <0.05     | <0.05     | NC         |
| Uranium (Filtered)                    | µg/L  | 20                                                          | 0.1   | 0.62      | 0.63      | 1.60       |
| Vanadium (Filtered)                   | µg/L  | 20                                                          | 0.5   | 0.86      | 0.9       | NC         |
| Zinc (Filtered)                       | µg/L  | 20                                                          | 5     | <5        | <5        | NC         |
| Inorganics                            |       |                                                             |       |           |           |            |
| Chloride (Filtered)                   | mg/L  | 40                                                          | 1     | 470       | 480       | 2.11       |
| Glycols                               |       |                                                             |       |           |           |            |
| Ethylene glycol                       | µg/L  | 30                                                          | 5000  | <5000     | <5000     | NC         |
| Diethylene glycol                     | µg/L  | 30                                                          | 5000  | <5000     | <5000     | NC         |
| Propylene glycol                      | µg/L  | 30                                                          | 5000  | <5000     | <5000     | NC         |
| Total Glycols                         | µg/L  | 30                                                          | 5000  | <5000     | <5000     | NC         |

Notes:  
\* Limits provided by MECP(2021)  
mg/L - milligrams per litre  
µg/L - microgram per litre  
< - less than analytical detection limit  
'-' - sample not analyzed for parameter indicated  
NC - not calculated due to concentration less than 5x RDL  
RDL - reportable detection limit  
RPD - Relative Percentage Difference  
**BOLD** RPD Exceeds Alert Limit Criteria for Field Duplicates

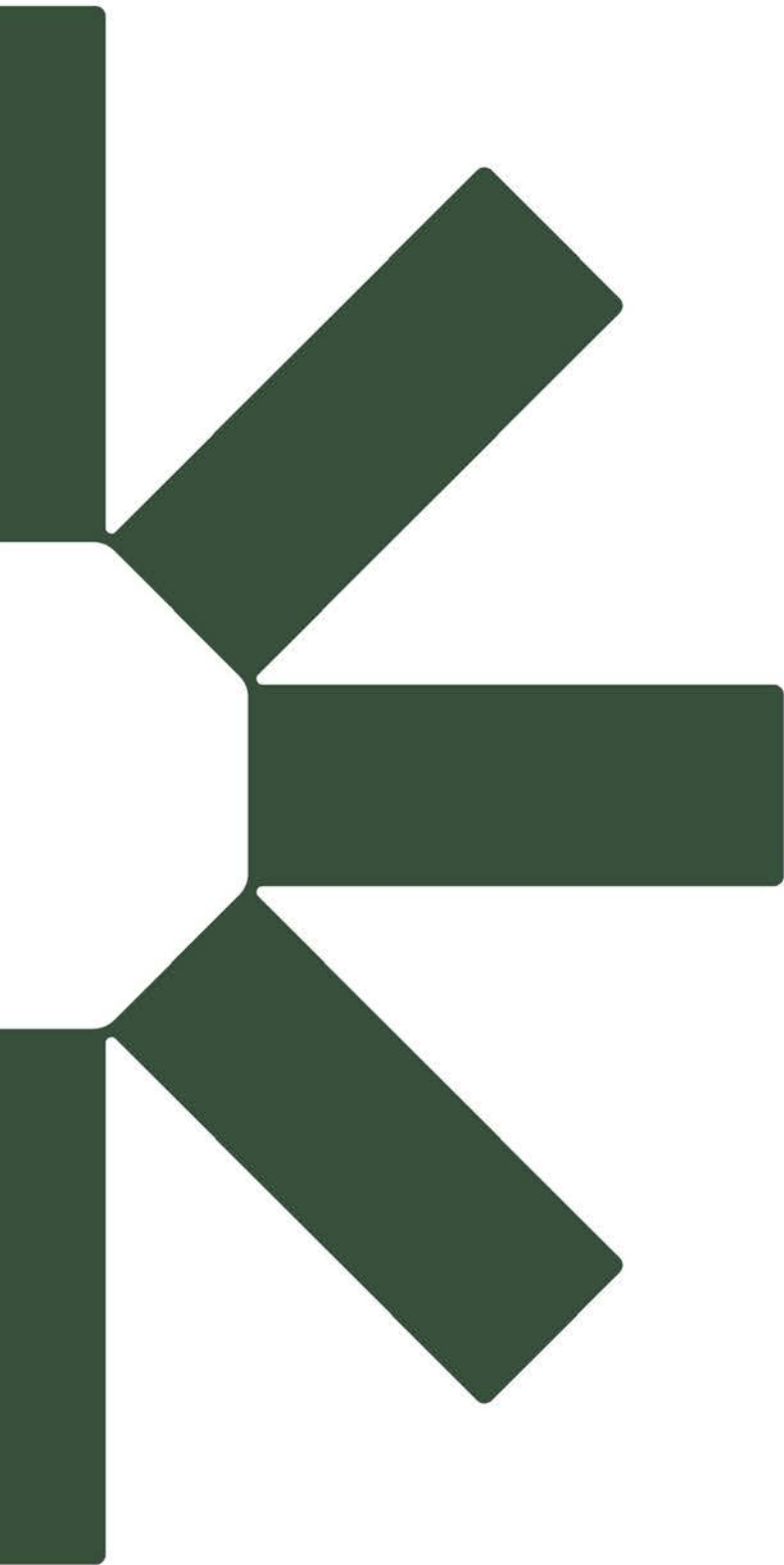


Table 3D - Summary of Groundwater Trip Blank and Field Blank

| Sample ID                             |      | Units | RDL    | FIELD BLANK<br>18-Oct-24 | TRIP BLANK<br>18-Oct-24 |
|---------------------------------------|------|-------|--------|--------------------------|-------------------------|
| Date                                  |      |       |        |                          |                         |
| PHCs                                  |      |       |        |                          |                         |
| Benzene                               | µg/L | 0.17  | <0.17  | <0.17                    |                         |
| Toluene                               | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Ethylbenzene                          | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Xylene (o)                            | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Xylene (m & p)                        | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Xylene Mixture                        | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Petroleum Hydrocarbons F1             | µg/L | 25    | <25    | <25                      |                         |
| Petroleum Hydrocarbons F1 (less BTEX) | µg/L | 25    | <25    | <25                      |                         |
| Petroleum Hydrocarbons F2             | µg/L | 90    | <90    | <90                      |                         |
| Petroleum Hydrocarbons F3             | µg/L | 200   | <200   | <200                     |                         |
| Petroleum Hydrocarbons F4             | µg/L | 200   | <200   | <200                     |                         |
| VOCs                                  |      |       |        |                          |                         |
| Acetone                               | µg/L | 10    | <10    | <10                      |                         |
| Bromodichloromethane                  | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Bromoform                             | µg/L | 1     | <1     | <1                       |                         |
| Bromomethane                          | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Carbon Tetrachloride                  | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Chlorobenzene                         | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Chloroform                            | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Dibromochloromethane                  | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Dichlorobenzene, 1,2-                 | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Dichlorobenzene, 1,3-                 | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Dichlorobenzene, 1,4-                 | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Dichlorodifluoromethane               | µg/L | 1     | <1     | <1                       |                         |
| Dichloroethane, 1,1-                  | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Dichloroethane, 1,2-                  | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Dichloroethylene, 1,1-                | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Dichloroethylene, 1,2-cis-            | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Dichloroethylene, 1,2-trans-          | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Dichloropropane, 1,2-                 | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Dichloropropene, 1,3-                 | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Dichloropropene, 1,3-cis-             | µg/L | 0.3   | <0.3   | <0.3                     |                         |
| Dichloropropene, 1,3-trans-           | µg/L | 0.4   | <0.4   | <0.4                     |                         |
| Ethylene dibromide                    | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Hexane (n)                            | µg/L | 1     | <1     | <1                       |                         |
| Methylene chloride                    | µg/L | 2     | <2     | <2                       |                         |
| Methyl Ethyl Ketone (MEK)             | µg/L | 10    | <10    | <10                      |                         |
| Methyl Isobutyl Ketone (MIK)          | µg/L | 5     | <5     | <5                       |                         |
| Methyl tert-Butyl Ether (MTBE)        | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Styrene                               | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Tetrachloroethane, 1,1,1,2-           | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Tetrachloroethane, 1,1,2,2-           | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Tetrachloroethylene                   | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Trichloroethane, 1,1,1-               | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Trichloroethane, 1,1,2-               | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Trichloroethylene                     | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| Trichlorofluoromethane                | µg/L | 0.5   | <0.5   | <0.5                     |                         |
| Vinyl chloride                        | µg/L | 0.2   | <0.2   | <0.2                     |                         |
| PAHs                                  |      |       |        |                          |                         |
| Acenaphthylene                        | µg/L | 0.05  | <0.05  | -                        |                         |
| Acenaphthene                          | µg/L | 0.05  | <0.05  | -                        |                         |
| Anthracene                            | µg/L | 0.05  | <0.05  | -                        |                         |
| Benz[a]anthracene                     | µg/L | 0.05  | <0.05  | -                        |                         |
| Benzo[b+k]fluoranthene                | µg/L | 0.05  | <0.05  | -                        |                         |
| Benzo[g h i]perylene                  | µg/L | 0.05  | <0.05  | -                        |                         |
| Benzo[k]fluoranthene                  | µg/L | 0.05  | <0.05  | -                        |                         |
| Benzo[a]pyrene                        | µg/L | 0.009 | <0.009 | -                        |                         |
| Chrysene                              | µg/L | 0.05  | <0.05  | -                        |                         |
| Dibenz[a h]anthracene                 | µg/L | 0.05  | <0.05  | -                        |                         |
| Fluoranthene                          | µg/L | 0.05  | <0.05  | -                        |                         |
| Fluorene                              | µg/L | 0.05  | <0.05  | -                        |                         |
| Indeno[1 2 3-cd]pyrene                | µg/L | 0.05  | <0.05  | -                        |                         |
| Methylnaphthalene, 1-                 | µg/L | 0.05  | <0.05  | -                        |                         |
| Methylnaphthalene, 2-                 | µg/L | 0.05  | <0.05  | -                        |                         |
| Methylnaphthalene, 2-(-1-)            | µg/L | 0.071 | <0.071 | -                        |                         |
| Naphthalene                           | µg/L | 0.05  | <0.05  | -                        |                         |
| Phenanthrene                          | µg/L | 0.03  | <0.03  | -                        |                         |
| Pyrene                                | µg/L | 0.05  | <0.05  | -                        |                         |
| Metals                                |      |       |        |                          |                         |
| Antimony (Filtered)                   | µg/L | 0.5   | <0.5   | -                        |                         |
| Arsenic (Filtered)                    | µg/L | 1     | <1     | -                        |                         |
| Barium (Filtered)                     | µg/L | 2     | <2     | -                        |                         |
| Beryllium (Filtered)                  | µg/L | 0.4   | <0.4   | -                        |                         |
| Boron (Total) (Filtered)              | µg/L | 10    | <10    | -                        |                         |
| Cadmium (Filtered)                    | µg/L | 0.09  | <0.09  | -                        |                         |
| Chromium VI                           | µg/L | 0.5   | <0.5   | -                        |                         |
| Chromium Total (Filtered)             | µg/L | 5     | <5     | -                        |                         |
| Cobalt (Filtered)                     | µg/L | 0.5   | <0.5   | -                        |                         |
| Copper (Filtered)                     | µg/L | 0.9   | <0.9   | -                        |                         |
| Lead (Filtered)                       | µg/L | 0.5   | <0.5   | -                        |                         |
| Mercury                               | µg/L | 0.1   | <0.1   | -                        |                         |
| Molybdenum (Filtered)                 | µg/L | 0.5   | <0.5   | -                        |                         |
| Nickel (Filtered)                     | µg/L | 1     | <1     | -                        |                         |
| Selenium (Filtered)                   | µg/L | 2     | <2     | -                        |                         |
| Silver (Filtered)                     | µg/L | 0.09  | <0.09  | -                        |                         |
| Sodium (Filtered)                     | µg/L | 0.1   | <0.1   | -                        |                         |
| Thallium (Filtered)                   | µg/L | 0.05  | <0.05  | -                        |                         |
| Uranium (Filtered)                    | µg/L | 0.1   | <0.1   | -                        |                         |
| Vanadium (Filtered)                   | µg/L | 0.5   | <0.5   | -                        |                         |
| Zinc (Filtered)                       | µg/L | 5     | <5     | -                        |                         |
| Inorganics                            |      |       |        |                          |                         |
| Chloride (Filtered)                   | mg/L | 1     | <1     | -                        |                         |
| Glycols                               |      |       |        |                          |                         |
| Ethylene glycol                       | µg/L | 5000  | <5000  | -                        |                         |
| Diethylene glycol                     | µg/L | 5000  | <5000  | -                        |                         |
| Propylene glycol                      | µg/L | 5000  | <5000  | -                        |                         |
| Total Glycols                         | µg/L | 5000  | <5000  | -                        |                         |

Notes:  
\* Alert Limit is considered 5x the RDL  
mg/L - milligrams per litre  
µg/L - microgram per litre  
< - less than analytical detection limit  
'-' - sample not analyzed for parameter indicated  
RDL - reportable detection limit  
RPD - Relative Percentage Difference  
**BOLD** RPD Exceeds SLR Alert Limit Criteria for Field and Trip Blanks





Making Sustainability Happen