CISCO Systems (Canada) Co.

Phase II Environmental Site Assessment

2000 and 3000 Innovation Drive, Ottawa, ON

April 30, 2026

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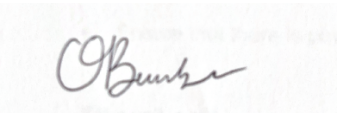

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Contents

Executive Summary 1

1 Introduction 5

1.1 Site Description 5

1.2 Property Ownership 6

1.3 Current and Proposed Future Uses 6

1.4 Applicable Site Condition Standards 6

2 Background Information 8

2.1 Physical Setting 8

2.1.1 Water Bodies 8

2.1.2 Areas of Natural Significance 8

2.1.3 Topography and Surface Water Drainage 8

2.1.4 Well-Head Protection Areas 9

2.1.5 Potable Water Source 9

2.1.6 Water Supply Wells 9

2.2 Past Investigations 9

3 Scope of the Investigation 11

3.1 Overview of Site Investigation 11

3.2 Media Investigated 11

3.3 Phase I Conceptual Site Model 12

3.4 Deviations from Sampling and Analysis Plan 15

3.5 Impediments 15

4 Investigation Method 16

4.1 General 16

4.2 Drilling and Excavating 16

4.3 Soil Sampling 16

4.4 Field Screening Measurements 17

4.5 Groundwater Monitoring Well Installation 18

4.6 Groundwater Field Measurements of Water Quality Parameters 19

4.7 Groundwater Sampling 19

4.8 Analytical Testing 20

4.9 Hydraulic Conductivity 20

4.10 Residue Management Procedures 20

4.11 Elevation Surveying 21
4.12 Quality Assurance and Quality Measures 21
4.12.1 Sample Containers, Preservation, Labelling, Handling, and Custody of Samples 21
4.12.2 Equipment Cleaning Procedures 22
4.12.3 Quality Assurance/Quality Control (QA/QC) Measures 22
4.12.4 QA/QC Sampling Program Deviations 22
5 Review and Evaluation 23
5.1 Geology 23
5.2 Groundwater Elevations and Flow Direction 24
5.3 Hydraulic Conductivity 24
5.4 Medium-Fine Soil Texture 25
5.5 Soil Field Screening 25
5.6 Soil Quality 25
5.6.1 Metals & Inorganics 26
5.6.2 pH 26
5.6.3 PHCs 26
5.6.4 SVOCs 26
5.6.5 PCBs 26
5.6.6 VOCs 26
5.6.7 Phenolic Compounds 27
5.6.8 Glycols 27
5.6.9 General Comments on Soil Quality 27
5.7 Groundwater Quality 27
5.7.1 Metals and Inorganics 27
5.7.2 PHCs 28
5.7.3 SVOCs 28
5.7.4 PCBs 28
5.7.5 VOCs 28
5.7.6 Phenolic Compounds 29
5.7.7 Glycols 29
5.7.8 General Comments on Groundwater Quality 29
5.8 Quality Assurance and Quality Control Results 29
5.8.1 Soil Duplicate Results 30
5.8.2 Groundwater Duplicate Results 30

5.8.3 Deviations from Analytical Protocol 30
5.8.4 Laboratory Certificates of Analysis 30
5.8.5 Laboratory Qualified Results 31
5.8.6 QA/QC Sample Summary 32
5.9 Phase II Conceptual Site Model 32
5.9.1 Potentially Contaminating Activities 33
5.9.2 Areas of Potential Environmental Concern 33
5.9.3 Subsurface Utilities 34
5.9.4 Physical Setting 35
5.9.4.1 Stratigraphy 35
5.9.4.2 Hydrogeological Characteristics 35
5.9.4.3 Depth to Bedrock 35
5.9.4.4 Depth to Water Table 35
5.9.4.5 Applicability of Section 35, 41, and 43.1 of the Regulation 36
5.9.4.6 Excess Soil Imported to Phase II Property 36
5.9.4.7 Proposed Buildings or Other Structures 36
5.9.4.8 Applicable Site Condition Standards 36
5.9.4.9 Contaminants Exceeding Site Condition Standards in Soil 36
5.9.4.10 Contaminants Exceeding Site Condition Standards in Groundwater 36
5.9.4.11 Meteorological and Climatic Conditions 37
5.9.4.12 Soil Vapour Intrusion 37
5.9.4.13 Remedial Activities 37
5.9.4.14 Free-Phase Product in Groundwater 37
5.9.4.15 Contaminant Exposure Assessment 37
5.9.4.16 Non-Standard Delineation 38
5.9.4.17 Regulatory Exemptions 38
6 Conclusions 38
6.1 Signatures 39
7 References 40
8 Limitations 41

Tables (in text)

Table A Summary of Hydraulic Conductivity Testing

Tables (at rear of report)

Table 1 Soil Analytical Results – Grain Size Analysis
Table 2 Soil Analytical Results – Metals and Inorganics
Table 3 Soil Analytical Results – Petroleum Hydrocarbons F1 to F4
Table 4 Soil Analytical Results – Semi-Volatile Organic Compounds
Table 5 Soil Analytical Results – Polychlorinated Biphenyls
Table 6 Soil Analytical Results - Volatile Organic Compounds
Table 7 Soil Analytical Results- Phenolic Compounds
Table 8 Soil Analytical Results- Glycols
Table 9 Maximum Concentrations of Contaminants of Concern in Soil
Table 10 Dates of Analysis for Submitted Soil Samples
Table 11 Groundwater Elevations and Monitoring Well Construction Details
Table 12 Groundwater Analytical Results – Metals and Inorganics
Table 13 Groundwater Analytical Results – Petroleum Hydrocarbons F1 to F4
Table 14 Groundwater Analytical Results - Semi-Volatile Organic Compounds
Table 15 Groundwater Analytical Results - Polychlorinated Biphenyls
Table 16 Groundwater Analytical Results - Volatile Organic Compounds
Table 17 Groundwater Analytical Results - Phenolic Compounds
Table 18 Groundwater Analytical Results - Glycols
Table 19 Maximum Concentrations of Contaminants of Concern in Groundwater
Table 20 Dates of Analysis for Submitted Groundwater Samples
Table 21 Soil Analytical Results - Waste Characterization Results

Figures

Figure 1 Site Location

Figure 2 Site Plan

Figure 3.1 Site and Surrounding Properties

Figure 3.2 Areas of Potential Environmental Concern (APECs)

Figure 4.1 Interpreted Groundwater Flow Direction (Feb 2026)

Figure 4.2 Interpreted Groundwater Flow Direction (March 2026)

Figure 5.1 Soil Analytical Results – Metals and Inorganics

Figure 5.2 Soil Analytical Results – PHCs

Figure 5.3 Soil Analytical Results – SVOCs

Figure 5.4 Soil Analytical Results – PCBs

Figure 5.5 Soil Analytical Results – VOCs

Figure 5.6 Soil Analytical Results – Phenolic Compounds

Figure 5.7 Soil Analytical Results – Glycols

Figure 6.1 Groundwater Analytical Results – Metals and Inorganics

Figure 6.2 Groundwater Analytical Results – PHCs

Figure 6.3 Groundwater Analytical Results – SVOCs

Figure 6.4 Groundwater Analytical Results – PCBs

Figure 6.5 Groundwater Analytical Results – VOCs

Figure 6.6 Groundwater Analytical Results – Phenolic Compounds

Figure 6.7 Groundwater Analytical Results – Glycols

Figure 7.1 Hydrogeological Cross Section A-A’

Figure 7.2 Hydrogeological Cross Section B-B’

Figure 7.3 Geological Cross Section A-A’

Figure 7.4 Geological Cross Section B-B’

Figure 8 Phase II Conceptual Site Model

Appendices

Appendix A Plan of Survey

Appendix B Sampling and Analysis Plan

Appendix C Borehole Logs

Appendix D MECP Well Records

Appendix E Laboratory Accreditation

Appendix F Residue Management

Appendix G Laboratory Certificates of Analysis – Soil

Appendix H Laboratory Certificates of Analysis – Groundwater

Appendix I Hydraulic Conductivity Testing

Executive Summary

Arcadis Professional Services (Canada) Inc. (Arcadis) was retained by Cisco Systems (Canada) Co. (Cisco) to complete a Phase II Environmental Site Assessment (ESA) for the property located at 2000 and 3000 Innovation Drive, Ottawa, Ontario (the Phase II Property). The Phase II ESA investigation was carried out in accordance with CSA Standard Z769-00 (R2023). This Phase II ESA was conducted to support a proposed development application for a new standalone infrastructure building and as part of the due diligence process under the City of Ottawa's development review framework.

The Phase II ESA investigation was undertaken to investigate areas of potential environmental concern (APECs) that were identified in the Phase I ESA completed by Arcadis in November 2025, to determine the presence/absence of impacts in soil and groundwater, to laterally and vertically delineate impacts in soil and groundwater, and to provide areal and vertical coverage of the Phase II Property. A summary of the APECs investigated during this Phase II ESA is provided in the table below:

APEC	O.Reg. 153/04 PCA Code	Potentially Contaminating Activity (PCA)	Location of PCA (on-site or off-site)	Location of APEC on Phase I Property	COPC	Media Potentially Impacted
1	30	Unknown fill material	On-Site	Entire Phase I Property	Metals, Hydride-Forming Metals, HWS-B, Hg pH, VOCs, PHCs, and PAHs	Soil and Groundwater
2	28	Standby diesel-fueled generator and associated AST	On-Site	East of building at 2000 Innovation Drive	Metals, BTEX, PHCs, VOCs, and PAHs	Soil and Groundwater
3	28	Two standby diesel- fueled generator and associated ASTs	On-Site	Northwest of building at 3000 Innovation Drive	Metals, BTEX, PHCs, VOCs, and PAHs	Soil and Groundwater
4	58	Hazardous Waste Generator	On-Site	East portion of Phase I Property	Metals, BTEX, PHCs, VOCs, SVOCs, PAHs, alcohols, and glycols	Soil and Groundwater
5	58	Hazardous Waste Generator	On-Site	West portion of Phase I Property	Metals, BTEX, PHCs, VOCs, SVOCs, PAHs, alcohols, and glycols	Soil and Groundwater
6	NA	Hydraulic lift	On-Site	East side of building at 2000 Innovation Drive	Metals, BTEX, PHCs, VOCs, SVOCs, and PAHs	Soil and Groundwater
7	NA	Hydraulic lift	On-Site	West side of building at 3000 Innovation Drive	Metals, BTEX, PHCs, VOCs, SVOCs, and PAHs	Soil and Groundwater

APEC	O.Reg. 153/04 PCA Code	Potentially Contaminating Activity (PCA)	Location of PCA (on-site or off-site)	Location of APEC on Phase I Property	COPC	Media Potentially Impacted
8	58	Oil/water separator	On-Site	West side of building at 3000 Innovation Drive	Metals, BTEX, PHCs, VOCs, SVOCs, and PAHs	Soil and Groundwater
9	55	Transformers	On-Site	Northwest corner of building at 3000 Innovation Drive	Metals, BTEX, PHCs, PCBs, and PAHs	Soil and Groundwater
10	55	Transformer	On-Site	East side of building at 2000 Innovation Drive	Metals, BTEX, PHCs, PCBs, and PAHs	Soil and Groundwater
11	NA	Historical spill/leaks of 113 L of glycol (April 2024)	On-Site	Western half of Phase I Property	VOCs and glycols	Soil and Groundwater
12	NA	Historical spill/leaks of 265 L of glycol (December 2024)	On-Site	Entire Phase I Property	VOCs and glycols	Soil and Groundwater
13	NA	Historical spill/leaks of 100 L of glycol (November 2022)	On-Site	Entire Phase I Property	VOCs and glycols	Soil and Groundwater
14	NA	Historical spill/leaks of 120 L of non-PCB transformer oil (February 2015)	On-Site	Northwest of building at 3000 Innovation Drive	Metals, PHCs, BTEX, PCBs, and PAHs	Soil and Groundwater
15	58	Off-Site: Former City of Ottawa Facility Operations Service at 4101 Innovation Drive (southwest of Site)	Off-Site	Entire Phase I Property	Metals (including iron, mercury, lead and zinc), BTEX, PHCs, VOCs, SVOCs, PCBs, PAHs, phenolic compounds, and cyanide	Groundwater
	58	Off-Site: Former March Landfill	Off-Site	Entire Phase I Property	Metals (including iron, mercury, lead and zinc), BTEX, PHCs, VOCs, SVOCs, PCBs, PAHs, phenolic compounds, and cyanide	Groundwater

APEC	O.Reg. 153/04 PCA Code	Potentially Contaminating Activity (PCA)	Location of PCA (on-site or off-site)	Location of APEC on Phase I Property	COPC	Media Potentially Impacted
Notes:						
AST: aboveground storage tank BTEX: benzene, toluene, ethylbenzene, xylenes COPCs: contaminants of potential concern Hg: mercury HWS-B: hot water soluble boron NA: not applicable L: litre				PAHs: polycyclic aromatic hydrocarbons PCA: potentially contaminating activity PCBs: polychlorinated biphenyls pH: potential hydrogen PHCs: petroleum hydrocarbons SVOCs: semi-volatile organic compounds VOCs: volatile organic compounds		

A Phase II ESA was completed by Arcadis between December 2025 and April 2026. The Phase II ESA included the advancement of four boreholes at the Phase II Property, three of which were completed as groundwater monitoring wells, and the collection of soil and groundwater samples for laboratory analysis.

Based on site-specific information, the applicable regulatory standards for the Phase II Property were determined to be the Ministry of the Environment, Conservation and Parks (MECP) Table 3 Site Condition Standards (SCS) for industrial property use and medium to fine-textured soils. Soil samples were collected from each of the borehole locations and submitted for laboratory analysis of one or more of PHCs, SVOCs/PAHs, PCBs, VOCs, metals and inorganics, glycols, phenolic compounds, HWS-B, cyanide, phenolic compounds (4AAP), pH, and grain size. A composite soil sample (i.e. toxicity characteristic leaching procedure (TCLP)), recovered from generated soil cuttings, was submitted for waste characterization analysis in accordance with O.Reg. 347, as amended. In addition, groundwater samples were collected from the monitoring wells and submitted for laboratory analysis of one or more of PHCs, SVOCs/PAHs, PCBs, VOCs, metals and inorganics, glycols, phenolic compounds, hot water extractable boron, and phenolic compounds (4AAP).

Borehole drilling was undertaken between December 16 and 18, 2025. During drilling a layer of asphalt/concrete was encountered at all borehole locations except MW25-04. The upper layer of soil generally consisted of a mix of sandy gravel fill and Portland cement (U-fill)/gravel fill/sand fill which was underlain by a layer of Styrofoam insulation at boreholes BH25-03, MW25-02, and MW25-04 to a maximum depth of 1.07 m bgs. The fill material was underlain by native clay/silty clay to the maximum investigation depth of 11.58 m bgs. Cobbles were observed at borehole MW25-04 at a depth of 0.3 to 0.61 m bgs. Drilling refusal in boreholes MW25-02, BH25-03, and MW25-04 occurred between depths of 7.62 m bgs (MW25-02) and 11.58 m bgs (MW25-04) due to inferred bedrock. No staining or odours were noted in any of the boreholes put down at the Phase II Property.

Groundwater monitoring was conducted on January 8 and 9, March 20 and April 9, 2026. In January depths to groundwater ranged from 1.56 m bgs at MW25-01 to 3.03 m bgs at MW25-02 and groundwater elevations ranged from 93.38 m above local datum (m ald) at MW25-02 to 96.17 m ald at MW25-04. In March depths to groundwater ranged from 0.60 m bgs at MW25-04 to 1.44 m bgs at MW25-02. Groundwater elevations ranged from 94.97 m ald at MW25-02 to 98.42 m ald at MW25-04.

Based on Arcadis' 2026 groundwater monitoring events, the shallow horizontal groundwater flow direction on the Phase II Property is inferred to be towards the northeast/east.

One contaminant of concern, vanadium, was reported slightly above the applicable SCS (86 micrograms per litre (µg/L)) in several soil samples (MW25-01-03, MW25-02-04, BH25-03-02, and MW25-04-04), with concentrations ranging from 86 to 97 µg/L at depths between 0.91 m bgs and 2.44 m bgs. All exceedances were reported in a layer of native grey, stiff clay which was found beneath a layer of sand and gravel fill and a layer of Styrofoam insulation. Vanadium concentrations were below the Table 3 SCS in deeper samples collected between 4.57 and 10.67 m bgs from a layer of soft grey clay. All other soil samples submitted for laboratory analysis were reported to be below the applicable MECP Table 3 SCS for the parameters tested. It should be noted that vanadium exceedances are common in the Ottawa area due to the local natural geology. The presence of vanadium is not considered to be anthropogenic given that the Phase II Property has historically not been used for industrial purposes, no historical fill materials such as ash or cinders were identified, and there are no known or reported spills or incidents. All impacted soil, if removed off-site, must be disposed of in accordance with the Excess Soil Regulation (O. Reg. 406/19).

During the January groundwater investigation, one contaminant of concern, PHC Fraction F2, was reported above the applicable SCS in a groundwater sample collected from monitoring well MW25-01 (340 µg/L compared to the MECP Table 3 SCS of 150 µg/L). MW25-01 is located within the planned footprint of the proposed new structure at the Phase II Property. All other groundwater samples submitted for laboratory analysis were reported to be below the applicable MECP Table 3 SCS for the parameters tested. Since no source of PHCs was identified at the Phase II Property or on neighbouring properties, and no odours or visual impacts were observed in soil, Arcadis recommended additional sampling to confirm the presence/absence of PHCs in groundwater. Confirmatory groundwater sampling was conducted on March 20 at all three onsite wells and on April 9, 2026 at MW25-01. All samples were analyzed for PHC and BTEX parameters. No exceedances were identified during the March 20 and April 9, 2026 confirmatory groundwater investigations, confirming that the original PHC exceedance was likely due to cross-contamination and not representative of groundwater quality present at the Phase II Property. Based on the most recent groundwater data, it is concluded that there are no groundwater impacts at the Phase II Property.

1 Introduction

Arcadis Professional Services (Canada) Inc. (Arcadis) was retained by Cisco Systems (Canada) Co. (Cisco) to complete a Phase II Environmental Site Assessment (ESA) for the property located at 2000 and 3000 Innovation Drive, Ottawa, Ontario (the Phase II Property). The location of the Phase II Property is shown on **Figure** 1. The Phase II ESA investigation was conducted in accordance with CSA Standard Z769-00 (R2023) in support of a proposed development application for a new standalone infrastructure building and as part of the due diligence process under the City of Ottawa's development review framework.

The Phase II ESA investigation was undertaken to investigate the fifteen Areas of Potential Environmental Concern (APECs) that were identified in the Phase I ESA completed by Arcadis in November 2025, and to determine the presence/absence of impacts in on-site soil and groundwater, to laterally and vertically delineate impacts in soil and groundwater (if identified), and to provide areal and vertical coverage of the investigation of the Phase II Property.

1.1 Site Description

Information pertaining to the Phase II Property is provided below.

Detail	Information
Municipal Address	2000 and 3000 Innovation Drive, Ottawa, ON
Property Identification Numbers (PIN)	04518-0077, 04518-0103, 04518-0104, 04518-0105, and 04518-0109
Property Owner	Cisco
Legal Description	Block 3 and part of Block 11, Registered Plan 4M-1075 and Part of Block 5, Registered Plan 4M-1104, City of Ottawa
Approximate Area of Property	78,358 square metres (m^2) (7.8358 hectares)

The Phase II Property has the municipal addresses of 2000 and 3000 Innovation Drive, Ottawa, Ontario and is located on the north side of Innovation Drive, approximately 260 metres (m) west of the intersection of Innovation Drive and Hines Road, and approximately 165 m east of the intersection of Innovation Drive and Goulbourn Forced Road. The Phase II Property is located in a commercial/industrial area and occupies approximately 78,358 m^2 within the Kanata North Business Park, a prominent technology hub in Ottawa. The Phase II property consists of two interconnected, two-storey office and laboratory buildings developed in the late 1990s or early 2000s (Arcadis, 2025). The buildings are primarily used for office, research, and development functions, and include ancillary spaces such as computer laboratories, storage areas, and electrical and mechanical rooms. Exterior features include extensive asphalt-surfaced parking areas, landscaped grassed margins, a sports field and several smaller structures including a concrete building, a gazebo and a gardening shed. The Phase II Property is fully serviced by the City of Ottawa's municipal water, sanitary sewer, stormwater, hydro, and telecommunications infrastructure. The boundaries of the Phase II Property were established based on a site survey completed by Ontario Land Surveyors, dated July 24, 2025 (**Appendix A**).

1.2 Property Ownership

The Phase II Property is currently owned and operated by Cisco. The Phase II ESA was authorized by the owner of the Phase II Property, and the contact information is provided below:

Detail	Information
Property Owner	Cisco
Property Owner Contact Details	Ms. Susan Patrick Environmental Program Manager CISCO 600 Vine Street, Suite 1400 Cincinnati, OH, 45202

1.3 Current and Proposed Future Uses

The Phase II Property consists of two commercial buildings situated at 2000 and 3000 Innovation Drive, with a combined total floor area of approximately 10,000 m^2. These buildings have historically supported a range of technological functions. The internal building configuration consists of general office areas, conference rooms, computing and research laboratories, storage spaces, electrical and mechanical service rooms, as well as ancillary structures including a concrete building, a gazebo and a gardening shed. The exterior of the property is covered by asphalt-surfaced parking areas, and landscaped areas consisting of rock, grass, and low-lying vegetation.

The Phase II Property is currently zoned industrial land use, and the future land use will remain industrial. Cisco is proposing the construction of a new standalone building on the Phase II Property with a total area of approximately 800 m^2. The primary purpose of the new facility is to accommodate essential cooling, mechanical, and electrical infrastructure to support ongoing and future operations at the Phase II Property.

Given the nature of the proposed development, including excavation and infrastructure installation for high capacity electrical and mechanical systems, it is essential to confirm that the environmental condition of the subsurface is suitable for development.

1.4 Applicable Site Condition Standards

Generic soil and groundwater Site Condition Standards (SCS) for use at the Phase II Property were selected from the Ontario Ministry of the Environment, Conservation & Parks (MECP) “Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act” dated April 15, 2011 (MECP, 2011a), using the approach prescribed by Ontario Regulation (O.Reg.) 153/04.

The Phase II Property is not considered an “environmentally sensitive area” as no areas of natural significance were identified within 250 m of the property boundaries (within the Phase I Study Area). Additionally, the following rationale was considered for the selection of the generic SCS applicable to the Phase II Property:

- The current use of the Phase II Property is industrial, and the future use is to remain industrial;

- The pH values for seven (7) soil collected as part of this Phase II ESA are within the specified range of 5 to 9 for surface soils and 5 to 11 for subsurface soils;
- The Phase II Property is not considered a “shallow soils property” as defined by O.Reg. 153/04 as more than two thirds of the Phase II Property has more than 2 m of overburden and bedrock was encountered at depths greater than 2 m bgs. Although shallow groundwater (< 3 m) is present at the Phase II Property, borehole logs show that there is continuous overburden (soft grey clay) from 0.8 mbgs to the maximum investigation depth (7.6 mbgs) which provides a significant vertical buffer for attenuation;
- The Phase II Property does not include, nor is it adjacent to, a water body, nor does it include lands that are within 30 m of a water body;
- The Phase II Property and surrounding areas are serviced by the City of Ottawa’s municipal water distribution system which sources water from the Ottawa River; and
- One (1) soil sample collected for grain size analysis during this Phase II ESA investigation is classified as fine textured soil. As such, for the purpose of this Phase II ESA, site soils are considered to be fine textured.

Based on the above, SCS for use on the Phase II Property correspond to the MECP Full Depth Generic SCS in a non-potable groundwater condition, for industrial/commercial/community property use and medium and fine textured soil (herein referred to as the MECP Table 3 SCS (MECP, 2011a).

2 Background Information

The Phase II Property is currently occupied by two 2-storey industrial buildings located at 2000 and 3000 Innovation Drive. The buildings, believed to be constructed in the late 1990s or early 2000s, have a total area of approximately 10,000 m² and includes office spaces, storage rooms, computer laboratories, electrical and mechanical rooms. The exterior portion of the Phase II Property includes several smaller structures including a concrete building, a gazebo and a gardening shed, as well as paved parking areas, landscaped areas and a sports field. A number of transformers and a diesel generator with three diesel storage tanks (housed in a concrete building) were observed northwest of the building at 3000 Innovation Drive, and a transformer was also noted east of the building at 2000 Innovation Drive. A Site Plan is provided as **Figure 2**.

2.1 Physical Setting

2.1.1 Water Bodies

The nearest water body to the Phase II Property is Shirley's Brook, which is located approximately 300 m to the east/southeast.

2.1.2 Areas of Natural Significance

The nearest Area of Natural and Scientific Interest (ANSI) is Shirley's Bay, a Provincially Significant ANSI located approximately 2 km northeast of the Phase II property. There are no ANSIs within 250 m of the Phase II Property.

2.1.3 Topography and Surface Water Drainage

A review of a topographical map (Natural Resources Canada – Toporama) shows the Phase II Property to be relatively flat and is approximately 88 metres above sea level (m asl). As the majority of the Phase II Property is either paved or covered in grass and landscaped areas, it is expected that storm water accumulations on the Phase II Property would drain towards the grassed and landscaped areas as well as to stormwater drains in the paved parking lots. The nearest water body to the Phase II Property is Shirley's Brook which is located approximately 300 m to the east/southeast. A review of the Natural Resources Canada – Toporama online map for the subject site and surrounding area shows Shirley's Brook to the east/southeast of the subject property, as well as unnamed creeks to the north/northwest. The creeks flow in a northeasterly direction towards a wetland which eventually drains into Shirley's Bay and the Ottawa River located north of the subject property. It would be anticipated that local groundwater would flow to either to the southeast, east or north/northeast at the Phase II Property towards these creeks. The groundwater flow direction immediately west/northwest of the Phase II Property has been reported to be to the north/northeast, ultimately towards Shirley's Bay, and a similar groundwater flow direction is anticipated for the subject property.

Based on the presence of the native silts and clays, groundwater flow rates would be expected to have a low hydraulic conductivity value approaching 10^{-6} centimetres per second (cm/s).

2.1.4 Well-Head Protection Areas

The Phase II Property is not located in a well-head protection area.

2.1.5 Potable Water Source

The Phase II Property and off-site properties within the Phase I Study Area are serviced by the City of Ottawa's municipal drinking water system which sources water from the Ottawa River.

2.1.6 Water Supply Wells

There are no known water supply wells for human consumption or for agricultural use on the Phase II Property or on off-site properties within 250 m of the Phase II Property.

2.2 Past Investigations

Arcadis, Phase I Environmental Site Assessment, 2000 and 3000 Innovation Drive, Ottawa, Ontario. Prepared for Cisco Systems, dated November 17, 2025.

A summary of noteworthy findings is provided below:

- Arcadis conducted a Phase I ESA for Cisco for a property located at 2000 and 3000 Innovation Drive, Ottawa, Ontario. The assessment was undertaken in support of a proposed development application for a new standalone infrastructure building and as part of the due diligence process under the City of Ottawa's development review framework.
- Based on a review of the aerial photographs, the property was historically used for agricultural purposes prior to at least 1994. Based on a review of the title search information, the PINs that comprise the Phase II Property were transferred to Cisco in December 2000. A 2001 aerial photograph shows the presence of two large buildings on the property. These commercial buildings are in the same configuration as the buildings (2000 and 3000 Innovation Drive) that currently occupy the Phase II Property. Based on the above information, it is anticipated that the Phase I Property was first developed for its current commercial use between 1994 and 2001.
- Underground utilities at the Phase I Property include water, storm and sanitary sewers, gas, electrical and a backup generator system consisting of a diesel generator and three above ground storage tanks.
- The Phase I ESA identified seventeen (17) Potentially Contaminating Activities (PCAs) (15 on-site and 2 off-site PCAs) which have resulted in fifteen (15) APECs on the Phase I Property. The APECs are related to existing and former on-site and off-site potentially contaminating activities PCAs. These APECs include:
  - APEC 1 (entire Phase I Property) is associated with the unknown fill material brought in during site development. The contaminants of potential concern (COPCs) include metals (including hydride-forming metals), hot water soluble boron (HWS-B), Mercury (Hg), pH, volatile organic compounds (VOCs), petroleum hydrocarbons (PHCs), and polyaromatic hydrocarbons (PAHs).
  - APEC 2 (east of building at 2000 Innovation Drive) is associated with the presence of one diesel-fueled generator at 2000 Innovation Drive. The COPCs include metals, Benzene, Toluene, Ethylbenzene and Xylenes (BTEX), PHCs, VOCs, and PAHS.

- APEC 3 (northwest of building at 3000 Innovation Drive) is associated with the presence of two standby diesel-fueled generators and associated ASTs located northwest of 3000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs, and PAHs.
- APEC 4 (east portion of the Phase I Property) is associated with the hazardous waste generator records at 2000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs, semi volatile organic compounds (SVOCs), alcohols and glycols, and PAHs.
- APEC 5 (west portion of the Phase I Property) is associated with the hazardous waste generator records at 3000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs/SVOCs, alcohols and glycols, and PAHs.
- APEC 6 (east side of building at 2000 Innovation Drive) is associated with the presence of two hydraulic lifts located at the loading docks present at the east side of the building at 2000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs/SVOCs and PAHs.
- APEC 7 (west side of building at 3000 Innovation Drive) is associated with the presence of two hydraulic lifts located at the loading docks present at the west side of the building at 3000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs/SVOCs and PAHs.
- APEC 8 (west side of building at 3000 Innovation Drive) is associated with the presence of an oil/water in the vicinity of the hydraulic lifts at 3000 Innovation Drive. COPCs include metals, BTEX, PHCs, VOCs/SVOCs, and PAHs.
- APEC 9 (northwest corner of building at 3000 Innovation Drive) is associated with the presence of several transformers located north of the building at 3000 Innovation Drive. COPCs include metals, BTEX, PHCs, polychlorinated biphenyls (PCBs), and PAHs.
- APEC 10 (east side of building at 2000 Innovation Drive) is associated with the presence of a transformer located east of the building at 2000 Innovation Drive. COPCs include metals, BTEX, PHCs, PCBs, and PAHs.
- APEC 11 (western half of Phase I Property) is associated with the historical spill/leak of glycol from a roof drain associated with the building at 3000 Innovation Drive. COPCs include VOCs and glycols.
- APEC 12 (entire Phase I Property) is associated with the historical spill/leak of glycol (exact location unknown). COPCs include VOCs and glycols.
- APEC 13 (entire Phase I Property) is associated with the historical spill/leak of glycol located near the sanitary sewer at 3000 Innovation Drive. COPCs include VOCs and glycols.
- APEC 14 (northwest of building at 3000 Innovation Drive) is associated with the historical spill/leak of non-PCB transformer oil at the concrete pad and ground at the 3000 Innovation drive address. COPCs include metals, PHCs, BTEX, PCBs, and PAHs.
- APEC 15 (entire Phase I Property) is associated with the Former City of Ottawa Facility Operations Service at 4101 Innovation Drive and the Former March Landfill (offsite). COPCs include metals (including iron, mercury, lead, and zinc), BTEX, PHCs, VOCs/SVOCs, phenolic compounds, cyanide, PCBs, and PAHs.

The 2025 Arcadis Phase I ESA was conducted in general accordance with O. Reg. 153/04. As such, the findings of the Phase I ESA are considered to be reliable.

3 Scope of the Investigation

3.1 Overview of Site Investigation

The scope of work for this Phase II ESA was prepared to address the APECs identified at the Phase II Property and consisted of the following:

- Prepared a site-specific Health and Safety Plan (HASP) for field activities completed at the Phase II Property;
- Identified above ground and subsurface utilities on and in the vicinity of the Phase II Property via private and public utility requests;
- Drilled four boreholes to depths ranging from 7.32 metres below ground surface (mbgs) (BH25-03) to 11.58 mbgs (MW25-04);
- Installed monitoring wells in three of the boreholes to depths ranging from 7.62 mbgs (MW25-01) to 11.58 mbgs (MW25-04);
- Collected soil samples from the boreholes for field logging and possible laboratory analysis for one or more of PHCs fractions F1 to F4, SVOCs, PCBs, VOCs, metals and inorganics, glycols, pH, phenolic compounds, HWS-B, and grain size;
- Collected one soil sample for toxicity characteristic leaching procedure (TCLP) analysis of metals and inorganics, benzo(a)pyrene, and VOCs to support off-site disposal;
- Developed all three monitoring wells;
- Surveyed the newly installed monitoring wells;
- Monitored the depth to groundwater at all monitoring well locations;
- Interpreted ground water elevations and the direction of ground water flow;
- Collected groundwater samples from all three newly installed monitoring wells for laboratory analysis of one or more of PHCs fractions F1 to F4, SVOCs, PCBs, VOCs, metals and inorganics, glycols, phenolic compounds, and pH;
- Completed one additional round of groundwater sampling at all three wells, and a second additional round of groundwater testing at MW25-01, and analyzed for BTEX and PHC F1-F4 parameters to verify previous findings;
- Implemented a quality assurance / quality control (QA/QC) program; and
- Interpreted all data and prepared this report.

The Phase II ESA investigation was conducted in general accordance with CSA Standard Z769-00 (R2023, the MECP's "Protocol for Analytical Methods Use in the Assessment of Properties under Part XV.1 of the Environmental Protection Act" (MECP, 2011b) and the MECPs Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario (MECP, 2004).

3.2 Media Investigated

Soil and groundwater were investigated during the Phase II ESA since both could be affected by on-site and/or off-site PCAs. No sediment or surface water is present on the Phase II Property and therefore these media were not assessed during the Phase II ESA.

Soil was investigated through the drilling and sampling of four boreholes. Selected soil samples were analysed for one or more of PHCs, SVOCs, PCBs, VOCs, select metals and inorganics, glycols, phenolic compounds, hot water extractable boron, pH and grain size. A composite soil sample (i.e. TCLP), recovered from generated soil cuttings, was submitted for waste characterization analysis in accordance with O.Reg. 347, as amended.

Groundwater was investigated through the installation/sampling of three monitoring wells. Groundwater samples were collected from each well and analysed for one or more of PHCs, SVOCs, PCBs, VOCs, metals and inorganics, glycols, phenolic compounds and, pH.

3.3 Phase I Conceptual Site Model

The Phase I Property is located at 2000 and 3000 Innovation Drive, Ottawa, Ontario and is currently owned by Cisco. The two addresses function as a unified property which is approximately 78,358 m^2 in size. The Phase I Property is located on the north side of Innovation Drive, approximately 260 m west of the intersection of Innovation Drive and Hines Road, and approximately 165 m east of the intersection of Innovation Drive and Goulbourn Forced Road.

The Conceptual Site Model (CSM) has been created to provide a summary of the findings of the Phase I ESA. The Phase I CSM is also presented in Figure 3.2 of the Phase I ESA which illustrate the following on the Phase I Property and on off-site properties within the Phase I Study Area, where present:

- There are two 2-storey buildings that encompass the two municipal addresses, 2000 and 3000 Innovation Drive. The buildings have a total area of approximately 10,000 m^2 and includes office spaces, storage rooms, computer laboratories, electrical and mechanical rooms. The exterior lands of the Phase II Property include paved parking areas, landscaped areas, a sports field and several smaller structures including a concrete building, a gazebo, and a gardening shed.
- The nearest water body to the Phase I Property is Shirley's Brook which is located approximately 300 m to the east/southeast.
- The nearest ANSI is Shirley's Bay; a Provincially Significant ANSI located approximately 2 kilometres (km) northeast of the Phase I Property.
- Drinking water at the Phase I Property is provided by the City of Ottawa's municipal water distribution system, which sources water from the Ottawa River. No drinking water wells are present on the Phase I Property.
- The main road within the Phase II Area is Innovation Drive, which forms the southern limit of the Phase II Property.
- Adjacent land uses which include:
  - Community to the south and west; and
  - Industrial/Commercial to the north and east.
- The historical records review, site reconnaissance, and interview identified the following on-site PCAs which represent APECs:
  - PCA #30 – Unknown fill material
  - PCA #28 – Gasoline and associated products storage in fixed tanks
  - PCA #55 – Transformers
  - PCA #58 – Waste disposal and waste management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners

  - PCA (no code) – Presence of hydraulic lifts
  - PCA (no code) – Presence of an oil/water separator
  - PCA (no code) – Historical glycol spills/leaks (3)
  - PCA (no code) – Historical spill/leak of non-PCB transformer oil
- Off-site PCAs on upgradient properties were interpreted to be contributing to APECs on the Phase I Property. These PCAs include the following:
- 4101 Innovation Drive
  - PCA #58 – Waste disposal and waste management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
- Former March Landfill (intersection of Klondike Road and Old Second Line Rd.)
  - PCA #58 – Waste disposal and waste management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
- Arcadis notes that off-site PCAs on properties other than those listed above are not interpreted to have contributed to APEC(s) on the Phase I Property due to their downgradient/cross-gradient location or distance from the Phase I Property.
- A total of fifteen APECs associated with current and/or historical on-site and off-site PCAs were identified on the Phase I Property The APECs were identified based on professional judgement and in accordance with O.Reg. 153/04. A summary of the fifteen APECs is provided below.
  - APEC 1 (entire Phase I Property) is associated with the unknown fill material brought in during site development. The contaminants of potential concern (COPCs) include metals (including hydride-forming metals), HWS-B, Hg, pH, VOCs, PHCs, and PAHs.
  - APEC 2 (east of building at 2000 Innovation Drive) is associated with the presence of one diesel-fueled generator at 2000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs, and PAHS.
  - APEC 3 (northwest of building at 3000 Innovation Drive) is associated with the presence of two standby diesel-fueled generators located northeast of 2000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs, and PAHs.
  - APEC 4 (east portion of the Phase I Property) is associated with the hazardous waste generator records at 2000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs/SVOCs, alcohols and glycols, and PAHs.
  - APEC 5 (west portion of the Phase I Property) is associated with the hazardous waste generator records at 3000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs/SVOCs, alcohols and glycols, and PAHs.
  - APEC 6 (east side of building at 2000 Innovation Drive) is associated with the presence of two hydraulic lifts located at the loading docks present at the east side of the building at 2000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs/SVOCs and PAHs.
  - APEC 7 (west side of building at 3000 Innovation Drive) is associated with the presence of two hydraulic lifts located at the loading docks present at the west side of the building at 3000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs/SVOCs and PAHs.
  - APEC 8 (west side of building at 3000 Innovation Drive) is associated with the presence of an oil/water in the vicinity of the hydraulic lifts at 3000 Innovation Drive. COPCs include metals, BTEX, PHCs, VOCs/SVOCs, and PAHs.

  - APEC 9 (northwest corner of building at 3000 Innovation Drive) is associated with the presence of several transformers located north of the building at 3000 Innovation Drive. COPCs include metals, BTEX, PHCs, PCBs, and PAHs.
  - APEC 10 (east side of building at 2000 Innovation Drive) is associated with the presence of a transformer located east of the building at 2000 Innovation Drive. COPCs include metals, BTEX, PHCs, PCBs, and PAHs.
  - APEC 11 (western half of Phase I Property) is associated with the historical spill/leak of glycol from a roof drain associated with the building at 3000 Innovation Drive. COPCs include VOCs and glycols.
  - APEC 12 (entire Phase I Property) is associated with the historical spill/leak of glycol (exact location unknown). COPCs include VOCs and glycols.
  - APEC 13 (entire Phase I Property) is associated with the historical spill/leak of glycol located near the sanitary sewer at 3000 Innovation Drive. COPCs include VOCs and glycols.
  - APEC 14 (northwest of building at 3000 Innovation Drive) is associated with the historical spill/leak of non-PCB transformer oil at the concrete pad and ground at the 3000 Innovation drive address. COPCs include metals, PHCs, BTEX, PCBs, and PAHs.
  - APEC 15 (entire Phase I Property) is associated with two off-site PCAs (the Former City of Ottawa Facility Operations Service at 4101 Innovation Drive and the Former March Landfill). COPCs include metals (including iron, mercury, lead, and zinc), BTEX, PHCs, VOCs/SVOCs, phenolic compounds, cyanide, PCBs, and PAHs.
- Underground utilities at the Phase I Property include water, gas, hydro, sanitary sewer, and storm sewers.
- Shallow groundwater flow at the Phase I Property is anticipated to flow to the southeast, east, or northeast towards Shirley's Brook.
- At the time of the Phase I ESA, the Phase I Property was occupied by two two-storey buildings that encompass two municipal addresses (2000 and 3000 Innovation Drive). On-site human receptors currently include maintenance workers, office staff, and site visitors/trespassers who could be exposed to contaminants potentially present in soil at the Phase I Property through direct dermal contact and incidental ingestion (i.e. S1, S2, and S3), inhalation of outdoor vapours (SOA) and particulate inhalation. Human exposure to potential groundwater contaminants may occur via dermal contact with groundwater, and inhalation of vapours emanating from groundwater (GW2).
- Future human on-site receptors include construction/maintenance workers, office staff, and visitors/trespassers who could be exposed to potential contaminants present in soil at the Phase I Property through direct dermal contact and incidental ingestion (i.e. S1, S2, and S3), inhalation of outdoor vapours (SOA) and particulate inhalation. Human exposure to potential groundwater contaminants may occur via dermal contact with groundwater, and inhalation of vapours emanating from groundwater (GW2).
- Surrounding properties include a mixture of commercial and recreational/community land uses . As such, off-site human receptors could include indoor workers, construction workers, outdoor maintenance workers, and visitors/trespassers. Off-site human receptors could be exposed to contaminants present in groundwater migrating from the site through inhalation of indoor vapours.
- On-site ecological receptors include soil invertebrates, plants, mammals and birds. On-site ecological receptors could be exposed to contaminants present in soil at the Phase I Property via incidental ingestion and dermal contact with soils, inhalation of vapour, and ingestion of vegetation and/or prey items. Receptors could be exposed to on-site COPCs including metals, VOCs, BTEX/PHCs, SVOCs/PAHs, PCBs, phenolic compounds, and glycols.

- Some uncertainties exist as to the exact locations of PCAs identified on the Phase I Property and within the Phase I study area, and APECs identified on the Phase I Property. Sources of uncertainty in the identification of these PCAs/APECs include:
  - Gaps in records obtained during the records review and availability of records for the early years of development of the Phase I Property;
  - The extent of site knowledge of persons selected for interview, and
  - The timing of the site visit, which provides a snapshot of the conditions of the site at the time of the visit when evidence of historic site activities may not be visible.
- The effects of these uncertainties on the identification of APECs at the Phase I Property is considered low since the CSM considers a broad-spectrum of potential contaminants and exposure scenarios.

There were no deviations from the Phase I ESA requirements specified in O.Reg. 153/04 or absence of information that have resulted in uncertainty that would affect the validity of the Phase I CSM.

3.4 Deviations from Sampling and Analysis Plan

The sampling and analysis plan (SAP) for the current Phase II ESA investigation is provided as **Appendix B** and was developed based on the requirements of CSA Standard Z769-00 (R2023). The sampling and analysis plan provides a rationale for soil and groundwater sampling activities conducted at the Phase II Property. The SAP was updated, as needed, during the Phase II ESA to address delineation requirements for soil and groundwater.

3.5 Impediments

No impediments were encountered during the Phase II ESA.

4 Investigation Method

4.1 General

The Phase II ESA investigation included borehole drilling, soil sampling, monitoring well installation, and groundwater monitoring and sampling.

The Phase II ESA field work was conducted in accordance with Arcadis' standard operating procedures (SOPs), which have been developed in accordance with the procedures and protocols provided in the MECP document entitled "Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario", dated December 1996, and in O.Reg. 153/04.

There were no deviations from Arcadis' SOPs.

4.2 Drilling and Excavating

Arcadis completed a drilling investigation on the Phase II Property between December 16 and 18, 2025. The borehole logs from this investigation are provided in **Appendix C**. A summary of this investigation is outlined below:

- On December 16, 2026, four boreholes (MW25-01, MW25-02, BH25-03, and MW25-04) were daylighted to a maximum depth of approximately 2.74 m bgs by Badger Daylighting Limited (Badger) with the use of a hydrovac truck under the supervision of Arcadis personnel. Three of the borehole locations (BH25-03, MW25-01, and MW25-02) required the use of a concrete saw to cut the asphalt/concrete and rebar in order to access the soil below. Daylighted boreholes were temporarily filled with gravel fill and completed with asphalt patch in between daylighting and drilling to prevent any open holes being left on the Phase II Property.
- Between December 17 and 18, the four daylighted boreholes were advanced using the direct push method to a maximum depth of approximately 11.58 m bgs using an MI3-AT drill rig equipped with a down hole hammer, operated by Strata Drilling Group (Strata) under the supervision of Arcadis personnel. Boreholes MW25-01, MW25-02, and MW25-04 were completed as monitoring wells.

During daylighting of the four boreholes, soil samples were collected at 0.6 m intervals until the maximum depth of approximately 2.74 m bgs using a side wall scraper to collect grab samples. Samples were collected by Arcadis personnel using nitrile gloves and put into resealable bags for field logging/screening and for possible laboratory analysis.

Soil samples collected from the remaining boreholes were collected continuously from the 1.5 m long steel dual sampling tubes. Steel dual tubes with plastic linings were advanced into the soil using an automated hammer. Once advanced through the planned sampling interval, the tubes were removed from the borehole and opened for field logging/screening and for possible laboratory analysis.

Prior to re-use, all sampling equipment was thoroughly cleaned with soapy water, followed by methanol and distilled water rinses to prevent cross-contamination of soil samples.

4.3 Soil Sampling

Upon collection, soil samples were divided for field logging/screening and for possible laboratory analysis. The portions for field logging/screening were placed in sealable plastic bags and logged in the field for soil type,

moisture, colour, structure, texture and visual evidence of impact. Headspace vapour readings in the sample bags were measured using an RKI Eagle II combustible gas meter (CGM) equipped with a photoionization detector (PID), operated in methane elimination mode. The RKI Eagle II was calibrated daily in the field to known concentrations of hexane and isobutylene.

Soil samples for laboratory analysis of BTEX, VOCs and PHC Fraction F1 were collected in 40 millilitre (mL) clear glass vials equipped with Teflon™ lined caps containing methanol preservative. Glass vials were provided by the laboratory and pre-charged with a known mass of methanol. Soil samples for the remaining parameters were collected in 120 mL and 250 mL wide mouthed clear glass jars provided by the laboratory. Soil samples for analysis were prepared to minimize the loss of volatile constituents, placed in coolers with ice and delivered to the laboratory.

During drilling a layer of asphalt/concrete was encountered at all borehole locations except MW25-04. The upper layer of soil generally consisted of a mix of sandy gravel fill and Portland cement (U-fill)/gravel fill/sand fill which was underlain by a layer of Styrofoam insulation at boreholes BH25-03, MW25-02, and MW25-04 to a maximum depth of 1.07 m bgs. The fill material was underlain by native clay/silty clay to the maximum investigation depth of 11.58 m bgs. Cobbles were observed at borehole MW25-04 at a depth of 0.3 to 0.61 m bgs. No staining or odours were noted in any of the boreholes put down at the Phase II Property. Drilling refusal in boreholes MW25-02, BH25-03, and MW25-04 occurred between depths of 7.62 m bgs (MW25-02) and 11.58 m bgs (MW25-04) due to inferred bedrock. Soil observations are presented in the borehole logs provided in **Appendix C.**

4.4 Field Screening Measurements

Arcadis conducted field screening measurements using an RKI Eagle II portable hand-held CGM and PID. The RKI Eagle II reports soil vapour concentrations in parts per million by volume (ppmv) or as a percentage of the lower explosive limit of equivalent hexane and isobutylene vapour (%LEL). The readings were taken by placing the end of the intake tube of the monitor into the headspace of the bagged soil samples while the soil was gently broken up and manipulated. Recorded values correspond to the maximum reading attained.

In CGM mode, the RKI Eagle II detects petroleum hydrocarbon vapours and other explosive vapours at concentrations ranging from 25 ppmv to greater than 100% of the lower explosive limit (>100% LEL). In PID mode, the RKI Eagle II detects volatile organic chemicals at concentrations ranging from 2 ppmv to 15,000 ppmv. When in CGM mode, the RKI Eagle II was operated in methane elimination mode, a mode which reduces false positive readings relating to the presence of methane gas in sample vapours. The precision of the RKI Eagle II is 5% of the span calibration.

The accuracy of the RKI Eagle II CGM is ±5% of the reading, or ±2% LEL, whichever is greater when measuring in the %LEL range. Within the ppmv range, the accuracy is ±25 ppmv or ±5% of the reading, whichever is greater.

The detection limit of the RKI II PID is approximately 2 ppmv. The accuracy of the PID between 10 and 2,000 ppmv is ±3% LEL at the calibration point when using isobutylene as the calibration gas. The PID has a resolution of 0.1 ppmv for VOCs in the range of 2 to 999.0 ppmv and a resolution of 1 ppmv for VOCs in the range of 1,000 to 15,000 ppmv.

The RKI Eagle II CGM was calibrated to known concentrations of hexane (400 ppmv). The RKI Eagle II PID was calibrated to known concentrations of isobutylene (100 ppmv).

Calibration of the CGM/PID detector was checked daily in the field using known concentrations of hexane and isobutylene. Hexane and isobutylene were passed through the detector at a constant flow rate. Detector response

was adjusted where required and only if response was less than ±20% of the target concentration. Where response was greater than ±20% of the target concentration, the meter was taken out of service for detailed maintenance and recalibration.

Generally, soil samples exhibiting the highest CGM/PID readings were selected for laboratory analysis. Other field observations including the presence of staining and odours were also used to guide sample selection for analysis.

Field screening methods followed the proposed procedure. Soil samples collected for field logging/screening were placed in sealable plastic bags and logged in the field for soil type, moisture content, colour, structure, texture and visual evidence of impact by petroleum hydrocarbons. Maximum headspace vapour readings in the sample bags were measured using the RKI Eagle II. Soil samples selected for laboratory analysis corresponded to the samples with the highest field screening measurements. The soil vapour concentrations reported during the field screening are presented in the borehole logs in **Appendix C**.

4.5 Groundwater Monitoring Well Installation

Three (3) monitoring wells were installed on the Phase II Property by Strata. Monitoring well construction details are presented on the borehole logs in **Appendix C**.

Newly installed monitoring wells were registered with the MECP in accordance with O.Reg. 903. The MECP Well Records are provided in **Appendix D**.

Monitoring wells were constructed using 5.1 cm inside diameter (I.D.), flush threaded polyvinyl chloride (PVC) well screen and solid riser. A 3.1 m long well screen was installed in three of the boreholes. The base of each well screen was equipped with a tight-fitting slip cap. Monitoring wells were completed with a solid riser. A silica sand filter pack was placed in the borehole annulus around each well screen to approximately 0.1 to 0.3 m above the top of the screen. A bentonite holeplug seal was placed in the borehole annulus above the sand pack to a depth of approximately 0.1 to 0.3 m bgs to prevent infiltration of surface water. Each monitoring well was completed with a flushmount protective casing.

Monitoring wells were installed within the steel casing to prevent cross contamination within the borehole. Only clean, new materials were used for well construction including PVC well materials, silica sand, and bentonite. The riser pipes and well screens were delivered to the Phase II Property pre-washed and packed in sealed polyethylene bags where they remained until use. Well materials were only handled using clean, single use vinyl gloves to prevent cross-contamination of materials during installation.

No groundwater samples were collected during drilling.

Monitoring wells were developed to remove foreign materials introduced during drilling and to improve the hydraulic connection of the well to the soil formation.

Monitoring wells were developed using dedicated WaTerra tubing and foot valves and were purged of approximately three well volumes (calculated as the volume of standing water in the well casing) or purged dry three times.

4.6 Groundwater Field Measurements of Water Quality Parameters

Groundwater was sampled from monitoring wells using a low flow peristaltic pump attached to dedicated LDPE tubing. Monitoring wells were purged until groundwater quality indicators (pH, temperature, specific conductivity, dissolved oxygen [DO], total dissolved solids [TDS], turbidity and oxidation-reduction potential [ORP]) stabilized, prior to sampling. The groundwater quality indicator parameters were measured using a Horiba U-52 flow through cell multi-parameter instrument, at a minimum frequency of every five (5) minutes. The Horiba U-52 was calibrated prior to use with commercially supplied solutions. The multiparameter instrument and flow through cell were cleaned with distilled water and Alconox® solution and rinsed with distilled water prior to initial use and between use at each monitoring well.

Water quality indicator parameters were considered stabilized when the field measurements were within the following stabilization criteria, for at least three consecutive readings:

Parameter	Units	Stabilization Criteria
pH	-	+/- 0.1
Specific Conductivity	mS/cm	+/- 3%
Temperature	°C	+/- 0.1
DO	mg/L	+/- 10%
TDS	-	+/- 10%
Turbidity	NTU	+/- 10%
ORP	mV	+/-10%

Notes:
mS/cm: Millisiemens per Centimeter
° C: Degrees Celsius
mg/L: Milligrams per Litre
NTU: Nephelometric Turbidity Units
mV: Millivolt

4.7 Groundwater Sampling

Once groundwater quality parameters had stabilized, groundwater samples were collected using dedicated LDPE tubing and the Geopump peristaltic pump.

Groundwater samples for laboratory analysis of BTEX, VOCs and PHC Fraction F1 were collected (with zero headspace) in laboratory supplied 40 mL glass vials equipped with Teflon lined caps and containing sodium bisulphate ($NaHSO_4$) preservatives. Groundwater samples for laboratory analysis of PHC Fractions F2 to F4 and PAHs/SVOCs were collected in laboratory supplied 100 mL amber glass bottles containing $NaHSO_4$ preservatives. Groundwater samples for analysis of metals were field filtered using 0.45 micrometre (µm) in-line disposable filters and collected in laboratory supplied 120 mL plastic bottles containing nitric acid (HNO_3) preservatives. Groundwater samples for analysis of mercury were field filtered using 0.45 µm in-line disposable filters and collected in laboratory supplied in 100 mL clear glass bottles containing hydrochloric acid (HCl) preservatives. Groundwater samples for analysis of cyanide were collected in laboratory supplied 120 mL plastic

bottles containing sodium hydroxide (NaOH) preservatives. Groundwater samples for analysis of pH were collected in laboratory supplied 120 mL plastic bottles with no preservatives. Groundwater samples for laboratory analysis of glycols were collected (with zero headspace) in laboratory supplied 40 mL amber glass vials equipped with Teflon lined caps with no preservatives. Groundwater samples for laboratory analysis of phenolic compounds were collected in laboratory supplied 120 mL amber glass bottles containing sulphuric acid ($H2SO_4$) preservatives. Groundwater samples for laboratory analysis of PCBs were collected in laboratory supplied 500 mL amber glass bottles with no preservatives.

Samples for analysis were prepared to minimize the loss of volatile constituents, placed in coolers with ice and delivered to the laboratory.

4.8 Analytical Testing

Soil and groundwater samples collected during this Phase II ESA were analysed by:

Bureau Veritas Laboratories (BVL)
36 Antares Drive
Nepean, Ontario
K2E 7W5

BVL is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) and the Standards Council of Canada (SCC).

A copy of the accreditation is provided in **Appendix E**.

4.9 Hydraulic Conductivity

The hydraulic conductivity testing was conducted for all three monitoring wells (MW25-01, MW25-02, and MW25-04) on March 20, 2026. The tests were conducted by measuring an initial water level, removing a volume of water from the well, and measuring the displaced water against time. All water levels were manually recorded. The hydraulic conductivity field data was interpreted using the Bouwer-Rice method. The hydraulic conductivity results are provided in **Appendix I**.

4.10 Residue Management Procedures

Soil cuttings generated during drilling were segregated on-site in several 205 litre (L) steel storage drums pending waste characterization analyses and off-site disposal. Results of waste classification analyses indicated soil cuttings may be classified as non-hazardous waste in accordance with Ontario Regulation 347. On January 29, 2026, soil cuttings were removed from the Phase II Property by Green For Life Environmental Inc (GFL) of Ottawa, Ontario.

Groundwater from well development and purging was placed in a 205 L plastic drum. On January 29, 2026, drummed groundwater was removed from the Phase II Property by GFL and disposed off-site by GFL of Ottawa, Ontario.

Waste manifests are provided in **Appendix F**.

4.11 Elevation Surveying

An elevation survey for the boreholes and monitoring wells during this Phase II ESA was conducted by Arcadis personnel on January 8, 2026. The elevations were surveyed relative to the top of the fire hydrant north of 3000 Innovation Drive, with an assumed elevation of 100 m.

4.12 Quality Assurance and Quality Measures

4.12.1 Sample Containers, Preservation, Labelling, Handling, and Custody of Samples

During the current Phase II ESA investigation, all soil and groundwater samples for laboratory analysis were collected in accordance with the SAP and in appropriate containers provided by the laboratory, and where appropriate, containing preservatives.

The following soil sample containers and preservatives were used:

- VOCs and PHC F1: 40 millilitre (mL) glass vials with septum-lids, pre-charged with methanol preservative; and
- PHCS F2 to F4, SVOCs, PAHs, metals and inorganics, pH, phenolic compounds, glycols, PCBs, and grain size: 120 mL or 250 mL unpreserved clear glass wide-mouth jars with a Teflon lined lid.

The following groundwater sample containers and preservatives were used:

- VOCs and PHC F1: 40 mL clear glass vials with septum-lids, pre-charged with sodium bisulphate preservative;
- PHC F2 to F4: 250 mL amber glass bottles with Teflon lined lids, pre-charged with sodium bisulphate preservative;
- PAHs: 100 mL unpreserved amber glass bottles with Teflon lined lids;
- Metals (not including hexavalent chromium and mercury): 120 mL HDPE bottles, pre-charged with nitric acid preservative;
- pH: 120 mL plastic bottles, unpreserved with Teflon lined lids.
- Glycols: 40 ml amber glass vials, unpreserved with Teflon lined lids.
- Phenolic compounds: 120 mL amber glass bottles with Teflon lined lids, pre-charged with sulphuric acid.
- Mercury: 100 mL clear bottle, pre-charged with hydrochloric acid.
- Cyanide: 120 mL plastic bottles with Teflon lined lids, pre-charged with sodium hydroxide preservative;
- SVOCs: 1 L unpreserved amber glass bottles with Teflon lined lids; and
- PCBs: 500 mL unpreserved amber glass bottles with Teflon lined lids.

Disposable nitrile gloves were worn when handling sampling tools and samples and gloves were replaced after handling each sample. Sample containers were labelled with the unique sample identifiers written on the sample container and on the laboratory Chain-of-Custody (CoC) which was submitted to the laboratory with the samples for documentation and tracking purposes.

Upon filling and labelling each sample container, containers were wrapped in protective bubble wrap and placed immediately in a cooler equipped with ice to lower and maintain sample temperatures at less than 10 ^{o}C during sample shipping.

Full CoC procedures were applied from the point at which field staff surrenders responsibility for the samples in the field or, where that individual is responsible for transit from the field location to the office, at their place of work. Coc forms, which log the date of transfer and identity of the parties by and to whom the transfer has been made, also record the identity of the samples included in the shipment, the date sampled and sample location, the analyses requested for each sample, the name and address of the laboratory to which the samples are assigned, and any clarifying notes that may be required.

4.12.2 Equipment Cleaning Procedures

Prior to the start of the drilling program, all augers, center plugs, and direct push equipment were cleaned at the shop by the drilling contractor. The lead augers and center plugs were hand-cleaned between boreholes to remove any residual soil or debris adhering to the down-hole tools, well away from the location of any boreholes, to avoid the possibility of cross-contamination.

To prevent cross-contamination during soil and groundwater sampling activities, non-dedicated sampling equipment (i.e. water level tape, etc.) was washed after each use with distilled water and Alconox® detergent and rinsed with distilled water. Disposable nitrile gloves were worn when handling tools and samples and gloves were replaced prior to the next sampling activity.

4.12.3 Quality Assurance/Quality Control (QA/QC) Measures

Laboratory and field control checks were used to ensure that the quality of the analytical data is maintained at an acceptable level. BVL, the laboratory to which samples were sent for chemical analysis, is SCC-accredited and participates in applicable inter-laboratory testing rounds administered by provincial and federal agencies. Blind field duplicate samples were prepared by Arcadis by obtaining a soil or groundwater sample split from preselected sample locations. The splits were provided with fictitious sample names and submitted to the laboratory for analysis to permit a determination of the internal quality control and repeatability of analyses. One field duplicate sample was submitted to the laboratory for each media tested.

Matrix spikes were conducted a minimum of once during each project run by the laboratory. Field duplicate matrix spikes are normally not prepared. Laboratory duplicates are run in the laboratory on ten percent of the samples subject to testing. Laboratory analysis results and QA/QC program results are carefully scrutinized on receipt to determine whether the results returned are representative. The laboratory customer services representative is contacted for clarification, if any uncertainty associated with the veracity or quality of the results is noted.

Laboratory QA/QC consisted of analysis of replicate samples, method blanks, spiked method blanks, trip blanks, surrogate standard recoveries, and the use of analytical methods in accordance with the SCC guidelines. Laboratory QA/QC is documented in the certificates of analyses provided in **Appendices** and **H**.

4.12.4 QA/QC Sampling Program Deviations

The objectives of the QA/QC program set out in the SAP were met during the Phase II ESA investigation.

5 Review and Evaluation

Borehole and monitoring well locations are presented on **Figure 2.** Groundwater elevations are provided in **Table 11** and are presented on **Figures 4.1** and **4.2**.

Grain size results are summarized in **Table 1**. Chemical analytical results of soil samples collected during the Phase II ESA are summarized in **Tables 2 to 8.** Maximum concentrations of COCs in analysed soil samples are provided in **Table 9**. Dates of sample collection, extraction and analysis of the soil samples submitted during the Phase II ESA are summarized in **Table 10**. Waste characterization results are summarized in **Table 21**.

Chemical analytical results of groundwater samples collected during the Phase II ESA are summarized in **Tables 12 to 18**. Maximum concentrations of COCs in analysed groundwater samples are provided in **Table 19**. Dates of sample collection, extraction and analysis of the groundwater samples submitted during the Phase II ESA Investigation are summarized in **Table 20**.

Analytical results of soil and groundwater samples collected during this Phase II ESA are presented on **Figures 5.1 to 5.7** for soil and **Figures 6.1 to 6.7** for groundwater. Geological and hydrogeological cross-sections are presented on **Figures 7.1 to 7.2**. The Phase II Conceptual Site Model is presented on **Figure 8**.

5.1 Geology

During drilling a layer of asphalt/concrete was encountered at all borehole locations except MW25-04. The upper layer of soil generally consisted of a mix of sandy gravel fill and Portland cement (U-fill)/gravel fill/sand fill which was underlain by a layer of Styrofoam insulation at boreholes BH25-03, MW25-02, and MW25-04 to a maximum depth of 1.07 m bgs. The fill material was underlain by native grey soft, wet clay/silty clay to the maximum investigation depth of 11.58 m bgs. Cobbles were observed at borehole MW25-04 at a depth of 0.3 to 0.61 m bgs. No staining or odours were noted in any of the boreholes put down at the Phase II Property. Drilling refusal in boreholes MW25-02, BH25-03, and MW25-04 occurred between 7.62 m bgs (MW25-02) and 11.58 m bgs (MW25-04) due to inferred bedrock.

Geologic unit thicknesses are estimated below:

Geologic Unit	Minimum Depth Encountered (m bgs)	Maximum Depth Encountered (m bgs)	Maximum Thickness (m)
Asphalt / Concrete	0	0.15	0.15
Sandy Gravel Fill and Portland Cement (U-fill) / Gravel Fill / Sand Fill	0	1.07	1.07
Cobbles	0.3	0.61	0.31
Silty Clay	3.51	6.10	2.59
Clay	0.61	11.58	10.97

Elevations of each geologic unit are relative to the local datum (top of the fire hydrant north of 3000 Innovation Drive, with an assumed elevation of 100 m) and are presented in the cross sections provided as **Figures 7.1** and **7.2.**

As shown on **Figures 7.1** and **7.2**, and in the borehole logs provided in **Appendix C**, respectively, the main water bearing unit encountered at the Phase II Property consists of silty clay/clay. Grain size analyses conducted on a soil sample from this unit identified the soils as fine grained. The soil laboratory certificates of analyses are provided in **Appendix G**.

5.2 Groundwater Elevations and Flow Direction

Monitoring wells MW25-01, MW25-02, and MW25-04 were installed at depths ranging from 4.6 to 11.6 m bgs with screen depths ranging from 4.6 m bgs to 11.6 m bgs. Groundwater elevations measured on January 8 and 9 and on March 20, 2026 were used when interpreting the shallow horizontal groundwater flow direction presented on **Figures 4.1** and **4.2**, respectively**.** The shallow horizontal groundwater flow direction on the Phase II Property is inferred to be towards the northeast/east.

Groundwater monitoring activities also included measuring for the absence/presence of free phase product at each monitoring well location. Groundwater monitoring results are summarized in **Table 11**. The depths to groundwater were measured using a Heron Instruments interface probe, relative to the top of the casing.

On January 8 and 9, 2026, depths to groundwater in the monitoring wells ranged from 1.56 m bgs at MW25-01 to 3.03 m bgs at MW25-02, and groundwater elevations ranged from 93.38 metres above local datum (m ald) at MW25-02 to 96.17 m ald at MW25-04.

On March 20, 2026, depths to groundwater in the three on-site monitoring wells ranged from 0.60 m bgs at MW25-04 to 1.44 m bgs at MW25-02, and groundwater elevations ranged from 94.97 m ald at MW 25-02 to 98.42m ald at MW25-04.

On April 9, 2026, the depth to groundwater in MW25-01 was measured at 0.78 m bgs, providing a groundwater table elevation of 95.70 m ald.

No free-phase product was observed in any of the groundwater monitoring wells during the monitoring events.

The groundwater elevations at each newly installed monitoring well were established by subtracting the measured depth to water from the ground surface elevation at each location. Ground surface elevations at these locations were established relative to the top of the fire hydrant north of 3000 Innovation Drive, with an assumed elevation of 100 m.

There is potential for some temporal variability in groundwater flow direction as groundwater elevations at the Phase II Property may fluctuate with seasonal conditions.

5.3 Hydraulic Conductivity

The hydraulic conductivity testing was conducted for all three monitoring wells (MW25-01, MW25-02, and MW25-04) on March 20, 2026, located within an unconfined aquifer at the Site.

Rising head tests were conducted, and data interpretation was carried out applying the Bouwer-Rice analytical method. Hydraulic conductivity values ranged from approximately 5.43×10^{-5} cm/s to 3.29×10^{-7} cm/s, consistent with values associated with silt and glacial till.

The results from the hydraulic conductivity tests are reasonable. MW25-04 reached 90% recovery within 62 minutes after displacement. MW25-01 and MW25-02 did not equilibrate after displacement. Recovery was slow from the beginning of the test and remained slow throughout. MW25-01 reached 6% recovery within 2 hours and 15 minutes,

while MW25-02 reached 32% recovery within 3 hours and 45 minutes after displacement. The following table outlines the results of the rising head tests at each location:

Table A: Summary of Hydraulic Conductivity Testing

Well ID	Aquifer	Screen Interval (m bgs)	Stratigraphy of Screen Interval	Hydraulic Conductivity (cm/s)
MW25-01	Unconfined	4.6 – 7.6	Clay	3.29×10^{-7}
MW25-02	Unconfined	8.1 – 11.1	Clay	1.64×10^{-6}
MW25-04	Unconfined	8.5 – 11.6	Clay	5.43×10^{-5}

Details of the hydraulic conductivity calculation are presented in **Appendix I.**

5.4 Medium-Fine Soil Texture

During the Phase II ESA investigation, grain size analysis was performed on one representative soil sample. This soil sample was collected from the native soil at a depth range of 9.14 to 10.67 m bgs at borehole location MW25-04.

The sample was reported to be fine textured by BVL. Results of the grain size analysis performed during the Phase II ESA are summarized in **Table 1**.

Based on the grain size analyses results and the observed stratigraphy at the borehole locations at the Phase II Property, it is the Qualified Person's (QP's) opinion that over two-thirds of the overburden at the Phase II Property is medium and fine-textured as defined by O.Reg. 153/04. Therefore, the soil at the Phase II Property was interpreted to be medium and fine-textured for the purpose of determining the MECP SCS applicable to the Phase II Property.

5.5 Soil Field Screening

Field screening results for borehole samples are summarized in the borehole logs provided in **Appendix C.** Soil headspace vapour concentrations measured for borehole soil samples were reported to be 0 ppmv for all samples. Photoionization detector (PID) readings measured for borehole soil samples ranged from 0 ppmv to a maximum of 4 ppmv (MW25-04-04).

5.6 Soil Quality

The locations and depths of soil samples analyzed during this Phase II ESA investigation are summarized in **Tables 2 to 8** and presented on **Figures 5.1 to 5.7**. Max soil concentrations are provided in **Table 9**. Soil analyses dates are summarized in **Table 10**. Sample depths are shown in the borehole logs provided in **Appendix C**. Laboratory certificates of analyses for soil samples are provided in **Appendix G**.

The soil sample analytical results were compared to the MECP Table 3 SCS and the following subsections provide a discussion of the findings.

5.6.1 Metals & Inorganics

The soil analytical results for metals and inorganics along with the MECP Table 3 SCS are provided in **Table 2** and presented on **Figure 5.1**.

One contaminant of concern, vanadium, was reported above the applicable SCS in several soil samples (MW25-01-03, MW25-02-04, BH25-03-02, and MW25-04-04) at depths ranging from 0.91 m bgs to 2.44 m bgs. All other soil samples submitted for laboratory analysis were reported to be below the applicable MECP Table 3 SCS.

5.6.2 pH

The soil sample analytical results for pH along with the acceptable pH ranges for surface and sub-surface soils are provided in **Table 2** and presented on **Figure 5.1**.

pH values in analysed soil samples were within the acceptable pH ranges for surface and subsurface soils.

5.6.3 PHCs

The soil analytical results for PHCs along with the MECP Table 3 SCS are provided in **Table 3** and presented on **Figure 5.2.**

Concentrations of PHCs in soil samples submitted for laboratory analysis were reported to be below the MECP Table 3 SCS.

5.6.4 SVOCs

The soil analytical results for SVOCs along with the MECP Table 3 SCS are provided in **Table 4** and presented on **Figure 5.3**.

Concentrations of SVOCs in soil samples submitted for laboratory analysis were reported to be below the MECP Table 3 SCS.

5.6.5 PCBs

The soil analytical results for PCBs along with the MECP Table 3 SCS are provided in **Table 5** and presented on **Figure 5.4**.

Concentrations of PCBs in soil samples submitted for laboratory analysis were reported to be below the MECP Table 3 SCS.

5.6.6 VOCs

The soil analytical results for VOCs along with the MECP Table 3 SCS are provided in **Table 6** and presented on **Figure 5.5**.

Concentrations of VOCs in soil samples submitted for laboratory analysis were reported to be below the MECP Table 3 SCS.

5.6.7 Phenolic Compounds

The soil analytical results for phenolic compounds along with the MECP table 3 SCS are provided in **Table 7** and presented on **Figure 5.6**.

Concentrations of phenolic compounds in soil samples submitted for laboratory analysis were reported to be below the MECP Table 3 SCS.

5.6.8 Glycols

The soil analytical results for glycols along with the MECP Table 3 SCS are provided in **Table 8** and presented on **Figure 5.7**.

Concentrations of glycols in soil samples submitted for laboratory analysis were reported to be below the MECP Table 3 SCS.

5.6.9 General Comments on Soil Quality

One contaminant of concern, vanadium, was reported above the applicable SCS in several soil samples (MW25-01-03, MW25-02-04, BH25-03-02, and MW25-04-04) at depths ranging from 0.91 m bgs to 2.44 m bgs. It should be noted that vanadium exceedances are common in the Ottawa area due to the local natural geology, and the presence of vanadium is not considered to be anthropogenic.

All other soil samples submitted for laboratory analysis were reported to be below the applicable MECP Table 3 SCS.

5.7 Groundwater Quality

Monitoring well construction details are provided in **Table 11.** Monitoring well locations are shown on **Figure 2**. Laboratory certificates of analyses for groundwater samples are provided in **Appendix H**. Results of analyses for analysed groundwater samples are summarized in **Tables 12 to 18** and are presented on **Figures 6.1 to 6.7**.

Groundwater samples were collected from monitoring wells MW25-01, MW25-02, and MW25-04 on January 8 and 9, 2026 and submitted for laboratory analysis for one or more of PHCs, SVOCs/PAHs, PCBs, VOCs, metals and inorganics, glycols, phenolic compounds, hot water extractable boron, and phenolic compounds (4AAP).

Confirmatory groundwater samples were collected from monitoring wells MW25-01, MW25-02, and MW25-04 on March 20, 2026 and submitted for laboratory analysis of BTEX and PHCs F1-F4.

A second round of confirmatory groundwater sampling was completed at MW25-01 on April 9, 2026 for analysis of BTEX and PHC fractions F1-F4.

The groundwater sample analytical results were compared to the MECP Table 3 SCS and the following subsections provide a discussion of the findings.

5.7.1 Metals and Inorganics

The groundwater analytical results for metals and inorganics along with the MECP Table 3 SCS are provided in **Table 12** and presented on **Figure 6.1**.

Concentrations of metals and inorganics in groundwater samples submitted for laboratory analysis were reported to be below the MECP Table 3 SCS.

5.7.2 PHCs

The groundwater analytical results for PHCs along with the MECP Table 3 SCS are provided in **Table 13** and presented on **Figure 6.2**.

Concentrations of PHCs in groundwater samples submitted for laboratory analysis on January 8 and 9, 2026 were reported to be below the MECP Table 3 SCS, with the exception of the following exceedance:

- PHC F2 (340 µg/L) in the groundwater sample collected from monitoring well MW25-01 exceeded the MECP Table 3 SCS of 150 µg/L.

No PHC soil impacts were reported in MW25-01 and the soil exhibited negligible combustible gas vapours. In addition no odours or visual impacts were observed and no light or dense non-aqueous phase liquid (LNAPL/DNAPL) was reported. Since there did not appear to be a PHC source at this location, Arcadis recommended that confirmatory groundwater sampling be undertaken to verify the groundwater quality at MW25-01. On March 20, 2026 confirmatory groundwater samples were collected from all three wells on the Site, including a blind field duplicate from MW25-01. PHC concentrations were reported to be non detect (below the laboratory's Reportable Detection Limit (RDL), and hence below the MECP Table 3 SCS) in all samples collected on March 20. On April 9th a second round of confirmation sampling was conducted at MW25-01, including the collection of another blind field duplicate, to verify the non-detect results reported on March 20. The April 9th PHC concentrations in both samples collected from MW25-01 were reported to be non-detect, thereby confirming that the initial PHC F2 exceedance was likely a result of cross-contamination and was not representative of groundwater quality at the Site.

5.7.3 SVOCs

The groundwater analytical results for SVOCs along with the MECP Table 3 SCS are provided in **Table 14** and presented on **Figure 6.3**.

Concentrations of SVOCs in all analysed groundwater samples were reported to be below the MECP Table 3 SCS.

5.7.4 PCBs

The groundwater analytical results for PCBs along with the MECP Table 3 SCS are provided in **Table 15** and presented on **Figure 6.4**.

Concentrations of PCBs in all analysed groundwater samples were reported to be below the MECP Table 3 SCS.

5.7.5 VOCs

The groundwater analytical results for VOCs along with the MECP Table 3 SCS are provided in **Table 16** and presented on **Figure 6.5**.

Concentrations of VOCs in all analysed groundwater samples were reported to be below the MECP Table 3 SCS.

5.7.6 Phenolic Compounds

The groundwater analytical results for phenolic compounds along with the MECP Table 3 SCS are provided in **Table 17** and presented on **Figure 6.6**.

Concentrations of phenolic compounds in all analysed groundwater samples were reported to be below the MECP Table 3 SCS.

5.7.7 Glycols

The groundwater analytical results for glycols along with the MECP Table 3 SCS are provided in **Table 18** and presented on **Figure 6.7**.

Concentrations of glycols in all analysed groundwater samples were reported to be below the MECP Table 3 SCS.

5.7.8 General Comments on Groundwater Quality

Concentrations for all parameters in all groundwater samples submitted for laboratory analysis were reported to be below the MECP Table 3 SCS, with the exception of the groundwater sample collected from monitoring well MW25-01 which reported a concentration of PHC F2 (340 µg/L) above the MECP Table 3 SCS (150 µg/L). The source of the elevated PHC F2 concentration in groundwater at MW25-01 is not known.

5.8 Quality Assurance and Quality Control Results

A QA/QC coordinator was assigned to ensure that all samples collected during the Phase II ESA investigations had the proper field identification and sample location identified on the sample jar labels and that all samples were handled in accordance with the MECP Analytical Protocol. The QA/QC coordinator also supervised the completion of the chain-of-custody forms and the release of samples to the laboratory for analysis. A chain-of-custody form accompanied all samples at all points of handling.

The surrogate recoveries reported on the laboratory certificates were examined by the Arcadis QP to ensure that the percentage recoveries fell within the laboratory's stated acceptable range. Furthermore, the data reported on the laboratory certificates was studied closely to confirm that the results returned were generally of the magnitude expected, based on examination of the recovered samples and the site history.

Beyond the internal laboratory QA/QC protocols discussed above, the following QA/QC samples were collected:

- Field blind duplicate samples
- Field blank samples
- Trip blank samples

At least one blind field duplicate sample was submitted to the laboratory for every ten samples analyzed for a specific parameter. The blind field duplicate samples were submitted along with the original soil and groundwater samples for analysis. The relative percent difference was calculated, based on the equation below, for each blind field duplicate sample and its original sample, in instances where each of the two values is greater than five times the laboratory reportable detection limit (RDL) to determine whether it meets accepted limits (as shown in table below), indicating good correlation between the duplicate and original sample.

$$RPD = \frac{|X1 - X2|}{X_{avg}} \times 100$$

where, X1 and X2 are the measured concentrations of the duplicate pairs and X_{avg} is the mean of these two values. Results for duplicate analyses of field duplicate samples were considered acceptable where RPD values were <100% for soil duplicate analyses and <50% for water duplicate analyses, consistent with common industry practices.

5.8.1 Soil Duplicate Results

During the Phase II ESA investigation, quality control samples collected by Arcadis during soil sampling included one field duplicate soil samples for laboratory analysis of one or more of metals and inorganics, PHCs, SVOCs, PCBs, VOCs, phenolic compounds, and glycols.

The results of field duplicate soil analyses conducted during this Phase II ESA are summarized in **Tables 2 to 8**. The results of other laboratory QA/QC analyses and the RPD calculations for laboratory duplicate analyses are provided in the Laboratory Certificates of Analysis (**Appendix G**). The results of the RPD calculations for the field duplicate soil sample were either not calculable or were less than the applicable alert limits.

5.8.2 Groundwater Duplicate Results

During the Phase II ESA, quality control samples collected by Arcadis during groundwater sampling included:

- January 8 and 9 Sampling Round: One blind field duplicate groundwater sample for laboratory analysis of one or more of metals and inorganics, PHCs, SVOCs, PCBs, VOCs, phenolic compounds, and glycols.
- March 20 Sampling Round: One blind field duplicate groundwater sample for laboratory analysis of PHCs and BTEX.
- April 9 Sampling Round: One blind field duplicate groundwater sample for laboratory analysis of PHCs and BTEX.

The results of the field duplicate groundwater analyses conducted during this Phase II ESA are summarized in **Tables 12 to 18**. The results of other laboratory QA/QC analyses and the RPD calculations for laboratory duplicate analyses are provided in the Laboratory Certificates of Analysis (**Appendix H**). The results of the RPD calculations for field duplicate groundwater samples were either not calculable or were less than the applicable alert limits.

5.8.3 Deviations from Analytical Protocol

Soil samples MW25-01-03, MW25-01-05, MW25-02-04, MW25-02-08, BH25-03-02, MW25-04-03, and MW25-04-06 were submitted to the lab for analysis of pH after the specified holding time due to an initial CoC error during the first submission. Soil samples were stored below 10 degrees Celsius in the interim and submitted to the lab on February 20, 2026.

5.8.4 Laboratory Certificates of Analysis

All certificates of analysis and analytical reports generated during the current Phase II ESA investigation comply with subsection 47(3) of O.Reg. 153/04. A certificate of analysis has been received for each soil and groundwater

sample that was submitted for analysis. Certificates of analysis for soil and groundwater samples analysed during the Phase II ESA investigation are provided in **Appendices G and H**, respectively.

5.8.5 Laboratory Qualified Results

Laboratories routinely conduct internal QA/QC analyses in order to satisfy regulatory QA/QC requirements. The results of the QA/QC analyses for the submitted soil and groundwater samples are summarized in the laboratory Certificates of Analyses provided in **Appendix G** and **Appendix H**, respectively.

5.8.6 QA/QC Sample Summary

The overall evaluation of the QA/QC sample results indicates no issues with respect to field collection methods and laboratory performance. As such, it is the opinion of the QP that the soil and groundwater analytical data obtained during the Phase II ESA are representative of actual site conditions and are appropriate for meeting the objective of assessing whether the soil and groundwater at the Phase II Property meets the applicable MECP Table 3 SCS.

5.9 Phase II Conceptual Site Model

The Phase II Property is located at 2000 and 3000 Innovation Drive, Ottawa, Ontario and is currently owned by Cisco. The two addresses comprise one property which is approximately 78,358 m^2 in size. The Phase II Property is located on the north side of Innovation Drive, approximately 260 m west of the intersection of Innovation Drive and Hines Road, and approximately 165 m east of the intersection of Innovation Drive and Goulbourn Forced Road.

The Phase II CSM has been created to provide a summary of the findings of the Phase II ESA. The Phase II CSM is also presented in **Figure 8** which illustrates the following on the Phase II Property and on off-site properties within the Phase II Area, where present:

- There are two 2-storey buildings that encompass two municipal addresses, 2000 and 3000 Innovation Drive. The buildings have a total area of approximately 10,000 m^2 and include office spaces, storage rooms, computer laboratories, electrical and mechanical rooms.
- The nearest water body to the Phase I Property is Shirley's Brook which is located approximately 300 m to the east/southeast.
- The nearest ANSI is Shirley's Bay; a Provincially Significant ANSI located approximately 2 km northeast of the subject property.
- Underground utilities at the Phase II Property include water, gas, hydro, sanitary sewer, and storm sewers.
- Shallow groundwater flow at the Phase II Property is inferred to flow to the east/northeast based on the current groundwater elevation data.
- Drinking water at the Phase I Property is provided by the City of Ottawa municipal water distribution system, which sources water from the Ottawa River. No drinking water wells are present on the Phase II Property.
- The main road within the Phase II Area is Innovation Drive, which forms the southern limit of the Phase II Property.
- Adjacent land uses which include:
  - Community to the south and west; and
  - Industrial/Commercial to the north and east.
- Lateral and vertical distributions of groundwater impacts across the Phase II Property.

5.9.1 Potentially Contaminating Activities

The historical records review, site reconnaissance, and interview identified the following on-site PCAs which represent APECs:

- PCA #30 – Unknown fill material
- PCA #28 – Gasoline and associated products storage in fixed tanks
- PCA #55 - Transformers
- PCA #58 - Waste disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
- PCA (no code) – Presence of hydraulic lifts
- PCA (no code) – Presence of an oil/water separator
- PCA (no code) – Historical glycol spills/leaks (3)
- PCA (no code) – Historical spill/leak of non-PCB transformer oil

Off-site PCAs on upgradient properties were interpreted to be contributing to APECs on the Phase I Property. These PCAs include the following:

- 4101 Innovation Drive
  - PCA #58 - Waste disposal and waste management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
- Former March Landfill (Intersection of Klondike Road and Old Second Line Road)
  - PCA #58 - Waste disposal and waste management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners

Arcadis notes that off-site PCAs on properties other than those listed above are not interpreted to be contributing to APEC(s) on the Phase II Property due to their downgradient/cross-gradient location or distance from the Phase II Property.

5.9.2 Areas of Potential Environmental Concern

APECs resulting from on-site or off-site PCAs include the following:

- APEC 1 (entire Phase II Property) is associated with the unknown fill material brought in during site development. The COPCs include metals (including hydride-forming metals), HWS-B, Hg, pH, VOCs, PHCs, and PAHs.
- APEC 2 (east of building at 2000 Innovation Drive) is associated with the presence of one diesel-fueled generator at 2000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs, and PAHS.
- APEC 3 (northwest of building at 3000 Innovation Drive) is associated with the presence of two standby diesel-fueled generators located northeast of 2000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs, and PAHs.
- APEC 4 (east portion of the Phase I Property) is associated with the hazardous waste generator records at 2000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs/SVOCs, alcohols and glycols, and PAHs.
- APEC 5 (west portion of the Phase I Property) is associated with the hazardous waste generator records at 3000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs/SVOCs, alcohols and glycols, and PAHs.

- APEC 6 (east side of building at 2000 Innovation Drive) is associated with the presence of two hydraulic lifts located at the loading docks present at the east side of the building at 2000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs/SVOCs and PAHs.
- APEC 7 (west side of building at 3000 Innovation Drive) is associated with the presence of two hydraulic lifts located at the loading docks present at the west side of the building at 3000 Innovation Drive. The COPCs include metals, BTEX, PHCs, VOCs/SVOCs and PAHs.
- APEC 8 (west side of building at 3000 Innovation Drive) is associated with the presence of an oil/water in the vicinity of the hydraulic lifts at 3000 Innovation Drive. COPCs include metals, BTEX, PHCs, VOCs/SVOCs, and PAHs.
- APEC 9 (northwest corner of building at 3000 Innovation Drive) is associated with the presence of several transformers located north of the building at 3000 Innovation Drive. COPCs include metals, BTEX, PHCs, PCBs, and PAHs.
- APEC 10 (east side of building at 2000 Innovation Drive) is associated with the presence of a transformer located east of the building at 2000 Innovation Drive. COPCs include metals, BTEX, PHCs, PCBs, and PAHs.
- APEC 11 (western half of Phase I Property) is associated with the historical spill/leak of glycol from a roof drain associated with the building at 3000 Innovation Drive. COPCs include VOCs and glycols.
- APEC 12 (entire Phase I Property) is associated with the historical spill/leak of glycol (exact location unknown). COPCs include VOCs and glycols.
- APEC 13 (entire Phase I Property) is associated with the historical spill/leak of glycol located near the sanitary sewer at 3000 Innovation Drive. COPCs include VOCs and glycols.
- APEC 14 (northwest of building at 3000 Innovation Drive) is associated with the historical spill/leak of non-PCB transformer oil at the concrete pad and ground at the 3000 Innovation drive address. COPCs include metals, PHCs, BTEX, PCBs, and PAHs.
- APEC 15 (entire Phase I Property) is associated with the Former City of Ottawa Facility Operations Service at 4101 Innovation Drive and the Former March Landfill (offsite). COPCs include metals (including iron, mercury, lead, and zinc), BTEX, PHCs, VOCs/SVOCs, phenolic compounds, cyanide, PCBs, and PAHs.

The locations of the fifteen APECs are presented on **Figure 3.2**.

5.9.3 Subsurface Utilities

Underground utilities serving the Phase II Property include gas, hydro, municipal water, sanitary, and storm sewers.

Electrical lines run parallel to the northwest side of the building at 2000 Innovation drive and enter at the north corner of the building. Underground electrical cables service several lamp posts along walking paths and parking lots on the site, as well as an electrical vehicle charging station. A hydro line enters on the northeast side of the building through a transformer. A stormwater catch basin is present at the loading dock of 2000 Innovation Drive on the northeast side of the building, and another just north of the building. Storm and sanitary lines are present by the loading dock northeast of the building at 2000 Innovation drive. A water service line (for fire hydrant) runs northeast of the building, entering at the north corner of the building. Electrical lines run parallel to the north and east sides of the building at 3000 Innovation drive. A hydro service line enters the building on the north side of the building. Storm and sanitary sewer lines are present by the loading dock to the west of the building at 3000 Innovation drive. A gas and a water service line enter the building at the southwest corner of the building.

5.9.4 Physical Setting

The following subsections provide a summary of the physical setting of the Phase II Property.

5.9.4.1 Stratigraphy

During drilling a layer of asphalt/concrete was encountered at all borehole locations except MW25-04. The upper layer of soil generally consisted of a mix of sandy gravel fill and Portland cement (U-fill)/gravel fill/sand fill which was underlain by a layer of Styrofoam insulation at boreholes BH25-03, MW25-02, and MW25-04 to a maximum depth of 1.07 m bgs. The fill material was underlain by native grey, soft, wet clay/silty clay to the maximum investigation depth of 11.58 m bgs. Cobbles were observed at borehole MW25-04 at a depth of 0.3 to 0.61 m bgs. No staining or odours were noted in any of the boreholes put down at the Phase II Property.

5.9.4.2 Hydrogeological Characteristics

The main water bearing unit on the Phase II Property generally consists of unweathered grey soft, wet clay. Particle size distribution analyses conducted on a soil sample from this unit identified the soil to be fine textured. There was a defined aquitard encountered during the investigation. Clay has a very low hydraulic conductivity and therefore vertical migration of impacts is severely limited.

The shallow horizontal ground water flow direction on the Phase II Property is inferred to be towards the east and northeast.

Groundwater contours and the inferred shallow groundwater flow direction are presented on **Figures 4.1** and **4.2**.

5.9.4.3 Depth to Bedrock

Drilling refusal in boreholes MW25-02, BH25-03, and MW25-04 occurred between depths of 7.62 m bgs (MW25-02) and 11.58 m bgs (MW25-04) due to inferred bedrock. Based on the Ontario bedrock geological map (OGS, 1991), bedrock in the area of the Phase II Property consists of dolostone and sandstone belonging to the Beekmantown Group. Three water well records for wells location immediately south of the Phase II Property reported brown and grey clay to a maximum depth of 5.2 mbgs with underlying bedrock comprising the Ottawa Formation limestone (with some shaly partings and some sandstone in the basal part), which was located at depths ranging between 5.2 to 24.4 mbgs.

5.9.4.4 Depth to Water Table

Groundwater monitoring was completed on January 8 and 9, March 20 and April 9, 2026. Monitoring activities included measuring for the presence/absence of any free phase product and measuring the depth to groundwater at each monitoring well location. Groundwater monitoring results are summarized in **Table 11**. The depths to groundwater were measured using a Heron Instruments interface probe, relative to the top of casing.

On January 8 and 9, 2026, depths to groundwater in the monitoring wells ranged from 1.56 m bgs at MW25-01 to 3.03 m bgs at MW25-02, and groundwater elevations ranged from 93.38 m ald at MW25-02 to 96.17 m ald at MW25-04.

On March 20, 2026, depths to groundwater in the monitoring wells ranged from 0.60 m bgs at MW25-04 to 1.44 m bgs at MW25-02, and groundwater elevations ranged from 94.97 m ald at MW 25-02 to 98.42m ald at MW25-04.

On April 9, 2026, the depth to groundwater in MW25-01 was measured at 0.78 m bgs, providing a groundwater table elevation of 95.70 m ald.

5.9.4.5 Applicability of Section 35, 41, and 43.1 of the Regulation

Section 35

Section 35 is applicable to the Phase II Property since the Phase I Study Area is serviced by the City of Ottawa's municipal water distribution system, which sources water from the Ottawa River. Additionally, the Phase II Property is not within a well-head protection area or other designation identified by the municipality for the protection of groundwater, and there are no well records within 250 m of the Phase II Property with a final well status intended for human consumption or agricultural use.

Section 41

The pH values for seven (7) soil samples (not including field duplicates) collected as part of the Phase II ESA were within the specified range of 5 to 9 for surface soils and 5 to 11 for subsurface soils. There are also no areas of natural significance on the Phase II Property, or within 30 m of the Phase II Property. As such, the Phase II Property is not considered to be environmentally sensitive as defined by Section 41.

Section 43.1

The Phase II Property is not considered to be a shallow soil property, nor are there any water bodies within 30 m of the Phase II Property. As such, Section 43.1 is not applicable.

5.9.4.6 Excess Soil Imported to Phase II Property

Excess soil has not been brought to the Phase II Property during the Phase II ESA.

5.9.4.7 Proposed Buildings or Other Structures

Cisco is proposing the construction of a new standalone building on the Phase II Property with a total area of approximately 800 m^2. The primary purpose of the new facility is to accommodate essential cooling, mechanical, and electrical infrastructure to support ongoing and future operations at the Phase II Property.

5.9.4.8 Applicable Site Condition Standards

The QP is of the opinion that, given the characteristics of the Phase II Property, the MECP Table 3 SCS are applicable for use at the Phase II Property.

5.9.4.9 Contaminants Exceeding Site Condition Standards in Soil

One contaminant of concern, vanadium, was reported above the MECP Table 3 SCS in four of the soil samples submitted for laboratory analysis. The locations of vanadium impacts in soil are presented on **Figure 5.1**.

5.9.4.10 Contaminants Exceeding Site Condition Standards in Groundwater

One contaminant of concern, PHC F2 (340 µg/L), was reported above the Table 3 SCS (150 µg/L) in groundwater collected from MW25-01 during the initial January 2026 groundwater sampling round. The location of this identified groundwater impact is presented on **Figure 6.2**.

Since there was no PHC source at this location, Arcadis undertook confirmatory groundwater sampling to verify the groundwater quality at MW25-01. On March 20, 2026 confirmatory groundwater samples were collected from all three wells on the Site, including a blind field duplicate from MW25-01, and PHC concentrations were reported to be non detect. On April 9th a second round of confirmation sampling was conducted at MW25-01, including the collection of another blind field duplicate, and PHC concentrations were also reported to be non-detect. These two consecutive non-detect PHC results confirm that the initial PHC F2 exceedance was likely a result of cross-contamination and was therefore not representative of groundwater quality at the Site.

5.9.4.11 Meteorological and Climatic Conditions

Groundwater elevations on the Phase II Property are expected to fluctuate with seasonal precipitation trends and may affect the vertical distribution of contamination in the vicinity of the water table (i.e. vertical smearing). In addition, heavy precipitation events may result in increased groundwater levels on the Phase II Property. It is not believed that meteorological or climatic conditions have affected the distribution or migration of contaminants on the Phase II Property.

5.9.4.12 Soil Vapour Intrusion

No soil vapour intrusion is anticipated.

5.9.4.13 Remedial Activities

No remedial activities were conducted on the Phase II Property.

5.9.4.14 Free-Phase Product in Groundwater

No evidence of free-phase product was observed in groundwater at the Phase II Property.

5.9.4.15 Contaminant Exposure Assessment

On-site human receptors currently include maintenance workers, office staff, and site visitors/trespassers who could be exposed to contaminants present in soils of the Phase I Property through direct dermal contact and incidental ingestion (i.e. S1, S2, and S3), although the risk is considered to be low.

Future human on-site receptors include construction/maintenance workers, office staff, and visitors/trespassers who could be exposed to contaminants present in soils on the Phase I Property through direct dermal contact and incidental ingestion (i.e. S1, S2, and S3).

Surrounding properties include a mixture of commercial and recreational/community land uses. As such, off-site human receptors could include indoor workers, maintenance workers, and visitors. Off-site human receptors could be exposed to PHC F2 present in groundwater migrating from the Phase II Property through inhalation of indoor vapours.

On-site ecological receptors include soil invertebrates and plants, and mammals and birds. On-site ecological receptors include soil invertebrates and plants, and mammals and birds. On-site ecological receptors could be exposed to contaminants present in soils at the Phase I Property via incidental ingestion and dermal contact with soils.

5.9.4.16 Non-Standard Delineation

Non-standard delineation was not conducted during the Phase II ESA.

5.9.4.17 Regulatory Exemptions

During the site reconnaissance and review of site operations, it was noted that road salt is applied seasonally to paved surfaces for the purpose of vehicular and pedestrian safety under snow and ice conditions. No on-site bulk storage, mixing, or handling of road salt or sand-salt mixtures was identified. Accordingly, the application of de-icing salt is not considered a Potentially Contaminating Activity (PCA) under Table 2 of Schedule D of O. Reg. 153/04, and Section 49.1(1)1 of O. Reg.153/04 does not apply.

6 Conclusions

Arcadis completed a Phase II ESA at the Phase II Property at the request of Cisco in accordance with CSA Standard Z769-00 (R2023) in support of a proposed development application for a new standalone infrastructure building and as part of the due diligence process under the City of Ottawa's development review framework.

The Phase II ESA included the assessment of soil and groundwater quality at select locations at the Phase II Property.

Soil samples were analyzed of one or more of metals and inorganics, BTEX/PHCs, VOCs, SVOCs/PAHs, PCBs, phenolic compounds, glycols, and grain size. Groundwater samples were analyzed for one or more of metals and inorganics, BTEX/PHCs, VOCs, SVOCs/PAHs, PCBs, phenolic compounds, and glycols, and pH.

Vanadium was reported slightly above the Table 3 SCS (86 µg/L) in several soil samples (MW25-01-03, MW25-02-04, BH25-03-02, and MW25-04-04), with concentrations ranging from 86 to 97 µg/L at depths between 0.91 m bgs and 2.44 m bgs. All exceedances were reported in a layer of native grey, stiff clay which was found beneath a layer of sand and gravel fill and a layer of Styrofoam insulation. Vanadium concentrations were below the Table 3 SCS in deeper samples collected between 4.57 and 10.67 m bgs from a layer of soft grey clay. All other soil samples submitted for laboratory analysis were reported to be below the applicable MECP Table 3 SCS. It should be noted that vanadium exceedances are common in the Ottawa area due to the local natural geology. The presence of vanadium is not considered to be anthropogenic given that the Phase II Property has historically not been used for industrial purposes, no historical fill materials such as ash or cinders were identified, and there are no known or reported spills or incidents. All impacted soil, if removed off-site, must be disposed of in accordance with the Excess Soil Regulation (O. Reg. 406/19).

During the January 2026 groundwater investigation PHC Fraction F2 was reported above the applicable SCS in MW25-01 (340 µg/L vs Table 3 SCS of 150 µg/L). MW25-01 is located within the planned footprint of the proposed new structure at the Phase II Property. All other groundwater samples submitted for laboratory analysis were reported to be below the applicable MECP Table 3 SCS. Since no source of PHCs was identified at the Phase II Property or on neighbouring properties, and no odours or visual impacts were observed in soil, Arcadis undertook additional sampling to confirm the presence/absence of PHCs in groundwater. Confirmatory groundwater sampling was conducted on March 20 at all three onsite wells and on April 9, 2026 at MW25-01. All samples were analyzed for PHC and BTEX parameters. No exceedances were identified during the March 20 and April 9, 2026 confirmatory groundwater investigations, confirming that the original PHC exceedance was likely due

to cross-contamination and not representative of groundwater quality present at the Phase II Property. Based on the most recent groundwater data, it is concluded that there are no groundwater impacts at the Phase II Property.

6.1 Signatures

This Phase II ESA was conducted under the supervision of Inge van Kemenade, QP_{ESA} in general accordance with CSA Standard Z769-00 (R2023). Ms. van Kemenade's signature is provided on the signature page of this Phase II ESA.

7 References

Arcadis Professional Services (Canada) Inc., 2025. Phase I Environmental Site Assessment, 2000 and 3000 Innovation Drive, Ottawa, Ontario. Prepared for Cisco Systems (Canada) Co. November 17, 2025.

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

Ontario Geological Survey (OGS). 1991. Bedrock geology of Ontario, southern sheet (Map 2544). Last updated March 1, 2023.

MECP, 2011a. Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act. April 15, 2011.

MECP, 2011b. Protocol for Analytical Methods Use in the Assessment of Properties under Part XV.1 of the Environmental Protection Act.

Natural Resources Canada, 2021. The Atlas of Canada – Toporama, https://atlas.gc.ca/toporama/en/index.html.

8 Limitations

This report was prepared by Arcadis Canada Inc. (Arcadis) exclusively for the account of Cisco Systems (Canada) Co. (Cisco). Other than Cisco, copying or distribution of this report or use of or reliance on the information contained herein, in whole or in part, is not permitted without the express written permission of Arcadis. Any use, reliance on or decision made by any person other than Cisco based on this report is the sole responsibility of such other person. Cisco and Arcadis make no representation or warranty to any other person with regard to this report and the work referred to in this report and Cisco and Arcadis accept no duty of care to any other person or any liability or responsibility whatsoever for any losses, expenses, damages, fines, penalties or other harm that may be suffered or incurred by any other person as a result of the use of, reliance on, any decision made or any action taken based on this report or the work referred to in this report.

Achieving the study objectives stated in this report has required Arcadis to arrive at conclusions based on the information presently known to Arcadis. No investigative method can completely eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce this possibility to an acceptable level. Professional judgment was exercised in gathering and analysing the information obtained. Professional judgment was also exercised in the formulation of recommendations. Like all professional persons rendering advice, we cannot act as absolute insurers of the conclusions we reach. We perform our work, within the limits prescribed by our client, with the usual thoroughness and competence of our profession. No other warranty or representation, expressed or implied, is included or intended in this report.

Third party information reviewed and used to formulate this report is assumed to be complete and correct. Arcadis used this information in good faith and will not accept any responsibility for deficiencies, misinterpretation or incompleteness of the information contained in documents prepared by third parties.

The conclusions presented represent the best judgment of the assessors based on current environmental standards and on the site conditions observed on the date of Arcadis' sampling events. Due to the nature of the investigation and the limited data available, the assessors cannot warrant against undiscovered environmental liabilities.

Nothing in this report is intended to constitute or provide a legal opinion.

Should additional information become available, Arcadis requests that this information be brought to our attention so that we may re-assess the conclusions presented herein.

Tables

TABLE 1 SOIL ANALYTICAL RESULTS
Grain Size Analysis
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MW25-04
Date Sampled	na	17-Dec-25
Lab Sample ID	na	AYOK70
Sample ID	na	MW25-04-07
Sample Depth	m bgs	9.14-10.67
Sieve - #200 (<0.075mm)	%	96
Sieve - #200 (>0.075mm)	%	4
Classification	na	FINE

Notes:

m bgs = metres below ground surface

na = not applicable

TABLE 2 SOIL ANALYTICAL RESULTS
Metals and Inorganics
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01				MW25-02			
Date Sampled	na	na	16-Dec-25	17-Dec-25	16-Dec-25	17-Dec-25	16-Dec-25	17-Dec-25	16-Dec-25	17-Dec-25
Lab Sample ID	na	na	AYOK66	AYOK69	BACJ16	BACJ17	AYOK67	AYOK71	BACJ18	BACJ19
Sample ID	na	na	MW25-01-02	MW25-01-06	MW25-01-03	MW25-01-05	MW25-02-03	MW25-02-07	MW25-02-04	MW25-02-08
Sample Depth	na	m bgs	1.22-1.83	6.10-7.62	1.83-2.44	4.57-6.10	1.22-1.83	7.62-9.14	1.83-2.44	9.14-10.67
Metals										
Antimony (Sb)	µg/g	50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Arsenic (As)	µg/g	18	3	<1.0	3.3	<1.0	2.4	<1.0	2.7	<1.0
Barium (Ba)	µg/g	670	-	-	230	240	-	-	220	230
Beryllium (Be)	µg/g	10	-	-	0.83	0.62	-	-	0.78	0.61
Boron (B)	µg/g	120	-	-	6.2	6.2	-	-	5.9	6.8
Cadmium (Cd)	µg/g	1.9	-	-	<0.10	<0.10	-	-	<0.10	<0.10
Chromium (Cr)	µg/g	160	-	-	65	60	-	-	62	57
Cobalt (Co)	µg/g	100	-	-	19	16	-	-	18	15
Copper (Cu)	µg/g	300	-	-	37	29	-	-	35	28
Molybdenum (Mo)	µg/g	40	-	-	<0.50	0.96	-	-	<0.50	0.87
Nickel (Ni)	µg/g	340	-	-	39	33	-	-	37	32
Silver (Ag)	µg/g	50	-	-	<0.20	<0.20	-	-	<0.20	<0.20
Thallium (Tl)	µg/g	3.3	-	-	0.31	0.3	-	-	0.32	0.29
Uranium (U)	µg/g	33	-	-	0.58	0.98	-	-	0.59	1.4
Vanadium (V)	µg/g	86	-	-	**88**	83	-	-	**86**	75
Hot Water Soluble Boron	µg/g	2	0.076	0.52	0.096	0.35	0.1	0.53	0.11	0.45
Lead (Pb)	µg/g	120	7.5	5.3	8.5	5.5	18	5	7.6	5.2
Mercury (Hg)	µg/g	20	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Selenium (Se)	µg/g	5.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Zinc (Zn)	µg/g	340	100	93	110	94	96	90	110	86
Iron (Fe)	µg/g	NV	40000	36000	-	-	36000	35000	-	-
Inorganics										
Free Cyanide	µg/g	0.051	<0.01	<0.01	-	-	<0.01	<0.01	-	-
Moisture	%	NV	29	31	36	34	33	32	36	30
pH	NV	5-9/5-11	-	-	7.65	7.91	-	-	7.63	7.75
Phenols-4AAP	µg/g	NV	<0.04	<0.04	-	-	<0.04	<0.04	-	-

Notes:

µg/g = micrograms per gram
RDL = reportable detection limit
RPD = relative percent difference
m bgs = metres below ground surface
na = not applicable
nc = not calculable
NV = no value
- =not analyzed
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for industrial/commercial/community property use, medium and fine textured soils (MECP, 2011).
<### = concentration of analyzed parameter is less than the RDL
= bold and underlined value exceeds the applicable standard

TABLE 2 SOIL ANALYTICAL RESULTS
Metals and Inorganics
2000 and 3000 Innovation Drive Kanata, Ottawa, C

Sample Location	Units	MECP Table 3 SCS [1]	BH25-03					MW25-04			
						Field Duplicate of BH25-03-06					
Date Sampled	na	na	16-Dec-25	16-Dec-25	18-Dec-25	18-Dec-25	RPD (%)	16-Dec-25	17-Dec-25	16-Dec-25	17-Dec-25
Lab Sample ID	na	na	BACJ20	AYOK68	AYOK72	AYOK73		AYOK65	AYOK70	BACJ21	BACJ22
Sample ID	na	na	BH25-03-02	BH25-03-03	BH25-03-06	DUP-1		MW25-04-04	MW25-04-07	MW25-04-03	MW25-04-06
Sample Depth	na	m bgs	0.91-1.52	1.52-2.13	6.07-7.32	6.07-7.32		2.13-2.74	9.14-10.67	1.52-2.13	6.10-7.62
Metals											
Antimony (Sb)	µg/g	50	<0.20	<0.20	<0.20	<0.20	nc	<0.20	<0.20	<0.20	<0.20
Arsenic (As)	µg/g	18	1.4	1.1	<1.0	<1.0	nc	1.7	<1.0	1.2	<1.0
Barium (Ba)	µg/g	670	290	-	-	-	-	-	-	290	230
Beryllium (Be)	µg/g	10	0.76	-	-	-	-	-	-	0.81	0.55
Boron (B)	µg/g	120	<5.0	-	-	-	-	-	-	<5.0	5.5
Cadmium (Cd)	µg/g	1.9	<0.10	-	-	-	-	-	-	<0.10	<0.10
Chromium (Cr)	µg/g	160	80	-	-	-	-	-	-	83	54
Cobalt (Co)	µg/g	100	20	-	-	-	-	-	-	20	14
Copper (Cu)	µg/g	300	39	-	-	-	-	-	-	40	28
Molybdenum (Mo)	µg/g	40	<0.50	-	-	-	-	-	-	<0.50	0.9
Nickel (Ni)	µg/g	340	45	-	-	-	-	-	-	46	0.9
Silver (Ag)	µg/g	50	<0.20	-	-	-	-	-	-	<0.20	<0.20
Thallium (Tl)	µg/g	3.3	0.4	-	-	-	-	-	-	0.39	0.28
Uranium (U)	µg/g	33	0.62	-	-	-	-	-	-	0.63	1.1
Vanadium (V)	µg/g	86	**97**	-	-	-	-	-	-	**97**	73
Hot Water Soluble Boron	µg/g	2	0.11	0.088	0.21	0.21	0	0.1	0.23	0.1	0.27
Lead (Pb)	µg/g	120	6.3	7.2	5.3	4.9	7.84	7.9	5.9	6.6	5.5
Mercury (Hg)	µg/g	20	<0.050	<0.050	<0.050	<0.050	nc	<0.050	<0.050	<0.050	<0.050
Selenium (Se)	µg/g	5.5	<0.50	<0.50	<0.50	<0.50	nc	<0.50	<0.50	<0.50	<0.50
Zinc (Zn)	µg/g	340	120	110	72	69	4.26	100	89	120	81
Iron (Fe)	µg/g	NV	-	40000	29000	28000	3.51	41000	35000	-	-
Inorganics											
Free Cyanide	µg/g	0.051	-	<0.01	<0.01	<0.01	nc	<0.01	<0.01	-	-
Moisture	%	NV	33	39	32	27	16.95	31.00	35	38	33
pH	NV	5-9/5-11	7.75	-	-	-	-	-	-	7.49	7.94
Phenols-4AAP	µg/g	NV	-	<0.04	<0.04	<0.04	nc	<0.04	<0.04	-	-

Notes:

µg/g	= micrograms per gram
RDL	= reportable detection limit
RPD	= relative percent difference
m bgs	= metres below ground surface
na	= not applicable
nc	= not calculable
NV	= no value
-	=not analyzed
MECP	= Ministry of the Environment, Conservation and Parks
[1]	= MECP Table 3 full depth generic site condition standards in a nor
<###	= concentration of analyzed parameter is less than the RDL
#####	= bold and underlined value exceeds the applicable standard

TABLE 3 SOIL ANALYTICAL RESULTS
Petroleum Hydrocarbons F1 to F4
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01		MW25-02		BH25-03				MW25-04	
									Field Duplicate of BH25-03-06	RPD (%)		
Date Sampled	na	na	16-Dec-25	17-Dec-25	16-Dec-25	17-Dec-25	16-Dec-25	18-Dec-25	18-Dec-25		16-Dec-25	17-Dec-25
Lab Sample ID	na	na	AYOK66	AYOK69	AYOK67	AYOK71	AYOK68	AYOK72	AYOK73		AYOK65	AYOK70
Sample ID	na	na	MW25-01-02	MW25-01-06	MW25-02-03	MW25-02-07	BH25-03-03	BH25-03-06	DUP-1		MW25-04-04	MW25-04-07
Sample Depth	na	m bgs	1.22-1.83	6.10-7.62	1.22-1.83	7.62-9.14	1.52-2.13	6.07-7.32	6.07-7.32		2.13-2.74	9.14-10.67
F1 PHC (C6-C10 minus BTEX)	µg/g	65	<10	<10	<10	<10	<10	<10	<10	nc	<10	<10
F2 PHC (>C10-C16)	µg/g	250	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	nc	<7.0	<7.0
F3 PHC (>C16-C34)	µg/g	2500	<50	<50	<50	<50	<50	<50	<50	nc	<50	<50
F4 PHC (>C34-C50)	µg/g	6600	<50	<50	<50	<50	<50	<50	<50	nc	<50	<50

Notes:

BTEX = Benzene, Toulene, Ethylbenzene, Xylenes (Total)
µg/g = micrograms per gram
RDL = reportable detection limit
RPD = relative percent difference
m bgs = metres below ground surface
na = not applicable
nc = not calculable
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for industrial/commercial/community property use, medium and fine textured soils (MECP 2011).
<### = concentration of analyzed parameter is less than the RDL
<u>#####</u> = bold and underlined value exceeds the applicable standard

TABLE 4 SOIL ANALYTICAL RESULTS
Semi-Volatile Organic Compounds
2000 and 3000 Innovation Drive Kanata, Ottawa, ON.

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01		MW25-02		BH25-03				MW25-04	
									Field Duplicate of BH25-03-06	RPD (%)		
Date Sampled	na	na	16-Dec-25	17-Dec-25	16-Dec-25	17-Dec-25	16-Dec-25	18-Dec-25	18-Dec-25		16-Dec-25	17-Dec-25
Lab Sample ID	na	na	AYOK66	AYOK69	AYOK67	AYOK71	AYOK68	AYOK72	AYOK73		AYOK65	AYOK70
Sample ID	na	na	MW25-01-02	MW25-01-06	MW25-02-03	MW25-02-07	BH25-03-03	BH25-03-06	DUP-1		MW25-04-04	MW25-04-07
Sample Depth	na	m bgs	1.22-1.83	6.10-7.62	1.22-1.83	7.62-9.14	1.52-2.13	6.07-7.32	6.07-7.32		2.13-2.74	9.14-10.67
Acenaphthene	µg/g	96	<0.03	<0.03	<0.03	<0.03	<0.06	<0.03	<0.03	nc	<0.03	<0.03
Acenaphthylene	µg/g	0.17	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	nc	<0.05	<0.05
Anthracene	µg/g	0.74	<0.03	<0.03	<0.03	<0.03	<0.06	<0.03	<0.03	nc	<0.03	<0.03
Benzo(a)anthracene	µg/g	0.96	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	nc	<0.05	<0.05
Benzo(a)pyrene	µg/g	0.3	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	nc	<0.05	<0.05
Benzo(b/j)fluoranthene	µg/g	0.96	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	nc	<0.1	<0.1
Benzo(ghi)perylene	µg/g	9.6	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	nc	<0.1	<0.1
Benzo(k)fluoranthene	µg/g	0.96	<0.03	<0.03	<0.03	<0.03	<0.06	<0.03	<0.03	nc	<0.03	<0.03
Chrysene	µg/g	9.6	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	nc	<0.05	<0.05
Dibenzo(a,h)anthracene	µg/g	0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	nc	<0.05	<0.05
Fluoranthene	µg/g	9.6	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	nc	<0.05	<0.05
Fluorene	µg/g	69	<0.03	<0.03	<0.03	<0.03	<0.06	<0.03	<0.03	nc	<0.03	<0.03
Indeno(1,2,3-cd)pyrene	µg/g	0.95	<0.08	<0.08	<0.08	<0.08	<0.2	<0.08	<0.08	nc	<0.08	<0.08
1-Methylnaphthalene	µg/g	85	<0.03	<0.03	<0.03	<0.03	<0.06	<0.03	<0.03	nc	<0.03	<0.03
2-Methylnaphthalene	µg/g	85	<0.03	<0.03	<0.03	<0.03	<0.06	<0.03	<0.03	nc	<0.03	<0.03
1+2-Methylnaphthalene	µg/g	85	<0.042	<0.042	<0.042	<0.042	<0.085	<0.042	<0.042	nc	<0.042	<0.042
Naphthalene	µg/g	28	<0.03	<0.03	<0.03	<0.03	<0.06	<0.03	<0.03	nc	<0.03	<0.03
Phenanthrene	µg/g	16	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	nc	<0.05	<0.05
Pyrene	µg/g	96	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	nc	<0.05	<0.05
Biphenyl	µg/g	210	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	nc	<0.05	<0.05
Bis(2-chloroethyl)ether	µg/g	0.5	<0.2	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	nc	<0.2	<0.2
Bis(2-chloroisopropyl)ether	µg/g	14	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	nc	<0.1	<0.1
Bis(2-ethylehexyl)phthalate	µg/g	35	<1	<1	<1	<1	<2	<1	<1	nc	<1	<1
p-Chloroaniline	µg/g	0.53	<0.2	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	nc	<0.2	<0.2
3,3'Dichlorobenzidine	µg/g	1	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	nc	<0.5	<0.5
Diethyl phthalate	µg/g	0.5	<0.2	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	nc	<0.2	<0.2
Dimethyl phthalate	µg/g	0.5	<0.2	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	nc	<0.2	<0.2
2-4-Dinitrotoluene	µg/g	NV	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	nc	<0.1	<0.1
1,2,4-Trichlorobenzene	µg/g	16	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	nc	<0.05	<0.05
2,6-Dinitrotoluene	µg/g	NV	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	nc	<0.1	<0.1
2,4- & 2,6-Dinitrotoluene	µg/g	1.2	<0.14	<0.14	<0.14	<0.14	<0.28	<0.14	<0.14	nc	<0.14	<0.14

Notes:

µg/g = micrograms per gram
RDL = reportable detection limit
RPD = relative percent difference
m bgs = metres below ground surface
na = not applicable
nc = not calculable
NV = no value
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for industrial/commercial/community property use, medium and fine textured soils (MECP, 2011).
<### = concentration of analyzed parameter is less than the RDL
= bold and underlined value exceeds the applicable standard

TABLE 5 SOIL ANALYTICAL RESULTS
Polychlorinated Biphenyls
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01		MW25-02		BH25-03				MW25-04	
									Field Duplicate of BH25-03-06	RPD (%)		
Date Sampled	na	na	16-Dec-25	17-Dec-25	16-Dec-25	17-Dec-25	16-Dec-25	18-Dec-25	18-Dec-25		16-Dec-25	17-Dec-25
Lab Sample ID	na	na	AYOK66	AYOK69	AYOK67	AYOK71	AYOK68	AYOK72	AYOK73		AYOK65	AYOK70
Sample ID	na	na	MW25-01-02	MW25-01-06	MW25-02-03	MW25-02-07	BH25-03-03	BH25-03-06	DUP-1		MW25-04-04	MW25-04-07
Sample Depth	na	m bgs	1.22-1.83	6.10-7.62	1.22-1.83	7.62-9.14	1.52-2.13	6.07-7.32	6.07-7.32		2.13-2.74	9.14-10.67
Aroclor 1242	µg/g	NV	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	nc	<0.010	<0.010
Aroclor 1248	µg/g	NV	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	nc	<0.010	<0.010
Aroclor 1254	µg/g	NV	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	nc	<0.010	<0.010
Aroclor 1260	µg/g	NV	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	nc	<0.010	<0.010
Total PCBs	µg/g	1.1	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	nc	<0.010	<0.010

Notes:

µg/g = micrograms per gram
RDL = reportable detection limit
RPD = relative percent difference
m bgs = metres below ground surface
na = not applicable
nc = not calculable
NV = no value
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for industrial/commercial/community property use, medium and fine textured soils (MECP 2011).
<### = concentration of analyzed parameter is less than the RDL
<u>#####</u> = bold and underlined value exceeds the applicable standard

TABLE 6 SOIL ANALYTICAL RESULTS
Volatile Organic Compounds
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01		MW25-02		BH25-03				MW25-04	
									Field Duplicate of BH25-03-06	RPD (%)		
Date Sampled	na	na	16-Dec-25	17-Dec-25	16-Dec-25	17-Dec-25	16-Dec-25	18-Dec-25	18-Dec-25		16-Dec-25	17-Dec-25
Lab Sample ID	na	na	AYOK66	AYOK69	AYOK67	AYOK71	AYOK68	AYOK72	AYOK73		AYOK65	AYOK70
Sample ID	na	na	MW25-01-02	MW25-01-06	MW25-02-03	MW25-02-07	BH25-03-03	BH25-03-06	DUP-1		MW25-04-04	MW25-04-07
Sample Depth	na	m bgs	1.22-1.83	6.10-7.62	1.22-1.83	7.62-9.14	1.52-2.13	6.07-7.32	6.07-7.32		2.13-2.74	9.14-10.67
Acetone	µg/g	28	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	nc	<0.49	<0.49
Benzene	µg/g	0.4	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	nc	<0.0060	<0.0060
Bromodichloromethane	µg/g	18	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Bromoform	µg/g	1.7	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Bromomethane	µg/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Carbon Tetrachloride	µg/g	1.5	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Chlorobenzene	µg/g	2.7	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Chloroform	µg/g	0.18	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Dibromochloromethane	µg/g	13	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
1,2-Dichlorobenzene	µg/g	8.5	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
1,3-Dichlorobenzene	µg/g	12	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
1,4-Dichlorobenzene	µg/g	0.84	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
1,1-Dichloroethane	µg/g	21	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
1,2-Dichloroethane	µg/g	0.05	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	nc	<0.049	<0.049
1,1-Dichloroethylene	µg/g	0.48	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Cis-1,2-Dichloroethylene	µg/g	37	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Trans-1,2-Dichloroethylene	µg/g	9.3	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
1,2-Dichloropropane	µg/g	0.68	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Cis-1,3-Dichloropropylene	µg/g	NV	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	nc	<0.030	<0.030
Trans-1,3-Dichloropropylene	µg/g	NV	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Ethylbenzene	µg/g	19	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	nc	<0.010	<0.010
Ethylene Dibromide	µg/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Methyl Ethyl Ketone	µg/g	88	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	nc	<0.40	<0.40
Methylene Chloride	µg/g	2	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	nc	<0.049	<0.049
Methyl Isobutyl Ketone	µg/g	210	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	nc	<0.40	<0.40
Methyl-t-Butyl Ether	µg/g	3.2	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Styrene	µg/g	43	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
1,1,1,2-Tetrachloroethane	µg/g	0.11	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
1,1,2,2-Tetrachloroethane	µg/g	0.094	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Toluene	µg/g	78	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	nc	<0.020	<0.020
Tetrachloroethylene	µg/g	21	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
1,1,1-Trichloroethane	µg/g	12	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
1,1,2-Trichloroethane	µg/g	0.11	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Trichloroethylene	µg/g	0.61	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	nc	<0.010	<0.010
Vinyl Chloride	µg/g	0.25	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	nc	<0.019	<0.019
m-Xylene & p-Xylene	µg/g	NV	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	nc	<0.020	<0.020
o-Xylene	µg/g	NV	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	nc	<0.020	<0.020
Total Xylenes	µg/g	30	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	nc	<0.020	<0.020
Dichlorodifluoromethane	µg/g	25	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Hexane(n)	µg/g	88	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
Trichlorofluoromethane	µg/g	5.8	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	nc	<0.040	<0.040
1,3-Dichloropropene (cis + trans	µg/g	0.21	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	nc	<0.050	<0.050

Notes:

µg/g = micrograms per gram
RDL = reportable detection limit
RPD = relative percent difference
m bgs = metres below ground surface
na = not applicable
nc = not calculable
NV = no value
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for industrial/commercial/community property use, medium and fine textured soils (MECP, 2011).
<### = concentration of analyzed parameter is less than the RDL
= bold and underlined value exceeds the applicable standard

TABLE 7 SOIL ANALYTICAL RESULTS
Phenolic Compounds
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01		MW25-02		BH25-03				MW25-04	
									Field Duplicate of BH25-03-06	RPD (%)		
Date Sampled	na	na	16-Dec-25	17-Dec-25	16-Dec-25	17-Dec-25	16-Dec-25	18-Dec-25	18-Dec-25		16-Dec-25	17-Dec-25
Lab Sample ID	na	na	AYOK66	AYOK69	AYOK67	AYOK71	AYOK68	AYOK72	AYOK73		AYOK65	AYOK70
Sample ID	na	na	MW25-01-02	MW25-01-06	MW25-02-03	MW25-02-07	BH25-03-03	BH25-03-06	DUP-1		MW25-04-04	MW25-04-07
Sample Depth	na	m bgs	1.22-1.83	6.10-7.62	1.22-1.83	7.62-9.14	1.52-2.13	6.07-7.32	6.07-7.32		2.13-2.74	9.14-10.67
2-Chlorophenol	µg/g	3.9	<0.08	<0.08	<0.08	<0.08	<0.2	<0.08	<0.08	nc	<0.08	<0.08
2,4-Dichlorophenol	µg/g	4.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	nc	<0.1	<0.1
2,4-Dimethylphenol	µg/g	440	<0.2	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	nc	<0.2	<0.2
2,4-Dinitrophenol	µg/g	66	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	nc	<0.5	<0.5
Pentachlorophenol	µg/g	3.3	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	nc	<0.1	<0.1
Phenol	µg/g	9.4	<0.09	<0.09	<0.09	<0.09	<0.2	<0.09	<0.09	nc	<0.09	<0.09
2,4,5-Trichlorophenol	µg/g	10	<0.08	<0.08	<0.08	<0.08	<0.2	<0.08	<0.08	nc	<0.08	<0.08
2,4,6-Trichlorophenol	µg/g	4.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	nc	<0.1	<0.1

Notes:

µg/g = micrograms per gram
RDL = reportable detection limit
RPD = relative percent difference
m bgs = metres below ground surface
na = not applicable
nc = not calculable
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for industrial/commercial/community property use, medium and fine textured soils (MECP 2011).
<### = concentration of analyzed parameter is less than the RDL
<u>#####</u> = bold and underlined value exceeds the applicable standard

TABLE 8 SOIL ANALYTICAL RESULTS
Glycols
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01		MW25-02		BH25-03				MW25-04	
									Field Duplicate of BH25-03-06	RPD (%)		
Date Sampled	na	na	16-Dec-25	17-Dec-25	16-Dec-25	17-Dec-25	16-Dec-25	18-Dec-25	18-Dec-25		16-Dec-25	17-Dec-25
Lab Sample ID	na	na	AYOK66	AYOK69	AYOK67	AYOK71	AYOK68	AYOK72	AYOK73		AYOK65	AYOK70
Sample ID	na	na	MW25-01-02	MW25-01-06	MW25-02-03	MW25-02-07	BH25-03-03	BH25-03-06	DUP-1		MW25-04-04	MW25-04-07
Sample Depth	na	m bgs	1.22-1.83	6.10-7.62	1.22-1.83	7.62-9.14	1.52-2.13	6.07-7.32	6.07-7.32		2.13-2.74	9.14-10.67
Propylene Glycol	µg/g	NV	<10	<10	<10	<10	<20	<10	<10	nc	<10	<10
Ethylene Glycol	µg/g	NV	<10	<10	<10	<10	<20	<10	<10	nc	<10	<10
Diethylene Glycol	µg/g	NV	<10	<10	<10	<10	<20	<10	<10	nc	<10	<10
Total Glycol	µg/g	NV	<10	<10	<10	<10	<20	<10	<10	nc	<10	<10

Notes:

µg/g = micrograms per gram
RDL = reportable detection limit
RPD = relative percent difference
m bgs = metres below ground surface
na = not applicable
nc = not calculable
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for industrial/commercial/community property use, medium and fine textured soils (MECP 2011).
<### = concentration of analyzed parameter is less than the RDL
<u>#####</u> = bold and underlined value exceeds the applicable standard

TABLE 9 MAXIMUM CONCENTRATIONS OF CONTAMINANTS OF CONCERN IN SOIL
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Parameter	MECP Table 3 SCS [1]	Units	Maximum Concentration	Location ID	Sample ID	Sample Depth (m bgs)
Petroleum Hydrocarbons						
F1 (C6-C10) - BTEX	65	µg/g	<10	various	various	various
F2 (C10-C16)	250	µg/g	<7.0	various	various	various
F3 (C16-C34)	2500	µg/g	<50	various	various	various
F4 (C34-C50)	6600	µg/g	<50	various	various	various
Volatile Organic Compounds						
Acetone	28	µg/g	<0.49	various	various	various
Benzene	0.4	µg/g	<0.0060	various	various	various
Bromodichloromethane	18	µg/g	<0.040	various	various	various
Bromoform	1.7	µg/g	<0.040	various	various	various
Bromomethane	0.05	µg/g	<0.040	various	various	various
Carbon Tetrachloride	1.5	µg/g	<0.040	various	various	various
Chlorobenzene	2.7	µg/g	<0.040	various	various	various
Chloroform	0.18	µg/g	<0.040	various	various	various
Dibromochloromethane	13	µg/g	<0.040	various	various	various
1,2-Dichlorobenzene	8.5	µg/g	<0.040	various	various	various
1,3-Dichlorobenzene	12	µg/g	<0.040	various	various	various
1,4-Dichlorobenzene	0.84	µg/g	<0.040	various	various	various
1,1-Dichloroethane	21	µg/g	<0.040	various	various	various
1,2-Dichloroethane	0.05	µg/g	<0.049	various	various	various
1,1-Dichloroethylene	0.48	µg/g	<0.040	various	various	various
Cis-1,2-Dichloroethylene	37	µg/g	<0.040	various	various	various
Trans-1,2-Dichloroethylene	9.3	µg/g	<0.040	various	various	various
1,2-Dichloropropane	0.68	µg/g	<0.040	various	various	various
Cis-1,3-Dichloropropylene	NV	µg/g	<0.030	various	various	various
Trans-1,3-Dichloropropylene	NV	µg/g	<0.040	various	various	various
Ethylbenzene	19	µg/g	<0.010	various	various	various
Ethylene Dibromide	0.05	µg/g	<0.040	various	various	various
Methyl Ethyl Ketone	88	µg/g	<0.40	various	various	various
Methylene Chloride	2	µg/g	<0.049	various	various	various
Methyl Isobutyl Ketone	210	µg/g	<0.40	various	various	various
Methyl-t-Butyl Ether	3.2	µg/g	<0.040	various	various	various
Styrene	43	µg/g	<0.040	various	various	various
1,1,1,2-Tetrachloroethane	0.11	µg/g	<0.040	various	various	various
1,1,2,2-Tetrachloroethane	0.094	µg/g	<0.040	various	various	various
Toluene	78	µg/g	<0.020	various	various	various
Tetrachloroethylene	21	µg/g	<0.040	various	various	various
1,1,1-Trichloroethane	12	µg/g	<0.040	various	various	various
1,1,2-Trichloroethane	0.11	µg/g	<0.040	various	various	various
Trichloroethylene	0.61	µg/g	<0.010	various	various	various
Vinyl Chloride	0.25	µg/g	<0.019	various	various	various
m-Xylene & p-Xylene	NV	µg/g	<0.020	various	various	various
o-Xylene	NV	µg/g	<0.020	various	various	various
Total Xylenes	30	µg/g	<0.020	various	various	various
Dichlorodifluoromethane	25	µg/g	<0.040	various	various	various
Hexane(n)	88	µg/g	<0.040	various	various	various
Trichlorofluoromethane	5.8	µg/g	<0.040	various	various	various
1,3-Dichloropropene (cis + trans)	0.21	µg/g	<0.050	various	various	various

Notes:

µg/g = micrograms per gram

BTEX = Benzene, Toulene, Ethylbenzene, Xylenes (Total)

m bgs = metres below ground surface

NV = no value

RDL = reportable detection limit

MECP = Ministry of the Environment, Conservation and Parks

<### = concentration of analyzed parameter is less than the RDL

[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for commercial/industrial/community property use, medium and fine textured soils (MECP, 2011).

= bold and underlined value exceeds the applicable standard

TABLE 9 MAXIMUM CONCENTRATIONS OF CONTAMINANTS OF CONCERN IN SOIL
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Parameter	MECP Table 3 SCS [1]	Units	Maximum Concentration	Location ID	Sample ID	Sample Depth (m bgs)
Semivolatile Organic Compounds						
Acenaphthene	96	µg/g	<0.06	BH25-03	BH25-03-03	1.52-2.13
Acenaphthylene	0.17	µg/g	<0.1	BH25-03	BH25-03-03	1.52-2.13
Anthracene	0.74	µg/g	<0.06	BH25-03	BH25-03-03	1.52-2.13
Benzo(a)anthracene	0.96	µg/g	<0.1	BH25-03	BH25-03-03	1.52-2.13
Benzo(a)pyrene	0.3	µg/g	<0.1	BH25-03	BH25-03-03	1.52-2.13
Benzo(b/j)fluoranthene	0.96	µg/g	<0.2	BH25-03	BH25-03-03	1.52-2.13
Benzo(ghi)perylene	9.6	µg/g	<0.2	BH25-03	BH25-03-03	1.52-2.13
Benzo(k)fluoranthene	0.96	µg/g	<0.06	BH25-03	BH25-03-03	1.52-2.13
Chrysene	9.6	µg/g	<0.1	BH25-03	BH25-03-03	1.52-2.13
Dibenzo(a,h)anthracene	0.1	µg/g	<0.1	BH25-03	BH25-03-03	1.52-2.13
Fluoranthene	9.6	µg/g	<0.1	BH25-03	BH25-03-03	1.52-2.13
Fluorene	69	µg/g	<0.06	BH25-03	BH25-03-03	1.52-2.13
Indeno(1,2,3-cd)pyrene	0.95	µg/g	<0.2	BH25-03	BH25-03-03	1.52-2.13
1-Methylnaphthalene	85	µg/g	<0.06	BH25-03	BH25-03-03	1.52-2.13
2-Methylnaphthalene	85	µg/g	<0.06	BH25-03	BH25-03-03	1.52-2.13
1+2-Methylnaphthalene	85	µg/g	<0.085	BH25-03	BH25-03-03	1.52-2.13
Naphthalene	28	µg/g	<0.06	BH25-03	BH25-03-03	1.52-2.13
Phenanthrene	16	µg/g	<0.1	BH25-03	BH25-03-03	1.52-2.13
Pyrene	96	µg/g	<0.1	BH25-03	BH25-03-03	1.52-2.13
Biphenyl	210	µg/g	<0.1	BH25-03	BH25-03-03	1.52-2.13
Bis(2-chloroethyl)ether	0.5	µg/g	<0.4	BH25-03	BH25-03-03	1.52-2.13
Bis(2-chloroisopropyl)ether	14	µg/g	<0.2	BH25-03	BH25-03-03	1.52-2.13
Bis(2-ethylehexyl)phthalate	35	µg/g	<2	BH25-03	BH25-03-03	1.52-2.13
p-Chloroaniline	0.53	µg/g	<0.4	BH25-03	BH25-03-03	1.52-2.13
3,3'Dichlorobenzidine	1	µg/g	<1	BH25-03	BH25-03-03	1.52-2.13
Diethyl phthalate	0.5	µg/g	<0.4	BH25-03	BH25-03-03	1.52-2.13
Dimethyl phthalate	0.5	µg/g	<0.4	BH25-03	BH25-03-03	1.52-2.13
2-4-Dinitrotoluene	NV	µg/g	<0.2	BH25-03	BH25-03-03	1.52-2.13
1,2,4-Trichlorobenzene	16	µg/g	<0.1	BH25-03	BH25-03-03	1.52-2.13
2,6-Dinitrotoluene	NV	µg/g	<0.2	BH25-03	BH25-03-03	1.52-2.13
2,4- & 2,6-Dinitrotoluene	1.2	µg/g	<0.28	BH25-03	BH25-03-03	1.52-2.13
Metals						
Antimony (Sb)	50	µg/g	<0.20	various	various	various
Arsenic (As)	18	µg/g	3.3	MW25-01	MW25-01-03	1.83-2.44
Barium (Ba)	670	µg/g	290	various	various	various
Beryllium (Be)	10	µg/g	0.83	MW25-01	MW25-01-03	1.83-2.44
Boron (B)	120	µg/g	6.8	MW25-02	MW25-02-08	9.14-10.67
Cadmium (Cd)	1.9	µg/g	<0.10	various	various	various
Chromium (Cr)	160	µg/g	83	MW25-04	MW25-04-03	1.52-2.13
Cobalt (Co)	100	µg/g	20	various	various	various
Copper (Cu)	300	µg/g	40	MW25-04	MW25-04-03	1.52-2.13
Molybdenum (Mo)	40	µg/g	0.96	MW25-01	MW25-01-05	4.57-6.10
Nickel (Ni)	340	µg/g	46	MW25-04	MW25-04-03	1.52-2.13
Silver (Ag)	50	µg/g	<0.20	various	various	various
Thallium (Tl)	3.3	µg/g	0.4	BH25-03	BH25-03-02	0.91-1.52
Uranium (U)	33	µg/g	1.4	MW25-02	MW25-02-08	9.14-10.67
Vanadium (V)	86	µg/g	**97**	various	various	various
Hot Water Soluble Boron	2	µg/g	0.53	MW25-02	MW25-02-07	7.62-9.14
Lead (Pb)	120	µg/g	18	MW25-02	MW25-02-03	1.22-1.83
Mercury (Hg)	20	µg/g	<0.050	various	various	various
Selenium (Se)	5.5	µg/g	<0.50	various	various	various
Zinc (Zn)	340	µg/g	120	various	various	various
Iron (Fe)	NV	NV	41000	MW25-04	MW25-04-04	2.13-2.74
Inorganics						
Free Cyanide	0.051	µg/g	<0.01	various	various	various
Moisture	NV	%	39	BH25-03	BH25-03-03	1.52-2.13
pH	NV	NV	7.94	MW25-04	MW25-04-06	6.10-7.62
Phenols-4AAP	NV	µg/g	<0.04	various	various	various

Notes:

µg/g = micrograms per gram
m bgs = metres below ground surface
NV = no value
RDL = reportable detection limit
MECP = Ministry of the Environment, Conservation and Parks
<### = concentration of analyzed parameter is less than the RDL
[1] = MECP Table 3 full depth generic site
= bold and underlined value exceeds the applicable standard

TABLE 9 MAXIMUM CONCENTRATIONS OF CONTAMINANTS OF CONCERN IN SOIL
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Parameter	MECP Table 3 SCS [1]	Units	Maximum Concentration	Location ID	Sample ID	Sample Depth (m bgs)
Polychlorinated Biphenyls						
Aroclor 1242	NV	µg/g	<0.010	various	various	various
Aroclor 1248	NV	µg/g	<0.010	various	various	various
Aroclor 1254	NV	µg/g	<0.010	various	various	various
Aroclor 1260	NV	µg/g	<0.010	various	various	various
Total PCB	1.1	µg/g	<0.010	various	various	various
Phenolic Compounds						
2-Chlorophenol	3.9	µg/g	<0.2	BH25-03	BH25-03-03	1.52-2.13
2,4-Dichlorophenol	4.2	µg/g	<0.2	BH25-03	BH25-03-03	1.52-2.13
2,4-Dimethylphenol	440	µg/g	<0.4	BH25-03	BH25-03-03	1.52-2.13
2,4-Dinitrophenol	66	µg/g	<1	BH25-03	BH25-03-03	1.52-2.13
Pentachlorophenol	3.3	µg/g	<0.2	BH25-03	BH25-03-03	1.52-2.13
Phenol	9.4	µg/g	<0.2	BH25-03	BH25-03-03	1.52-2.13
2,4,5-Trichlorophenol	10	µg/g	<0.2	BH25-03	BH25-03-03	1.52-2.13
2,4,6-Trichlorophenol	4.2	µg/g	<0.2	BH25-03	BH25-03-03	1.52-2.13
Glycols						
Propylene Glycol	NV	µg/g	<20	BH25-03	BH25-03-03	1.52-2.13
Ethylene Glycol	NV	µg/g	<20	BH25-03	BH25-03-03	1.52-2.13
Diethylene Glycol	NV	µg/g	<20	BH25-03	BH25-03-03	1.52-2.13
Total Glycol	NV	µg/g	<20	BH25-03	BH25-03-03	1.52-2.13

Notes:

µg/g = micrograms per gram

m bgs = metres below ground surface

NV = no value

RDL = reportable detection limit

MECP = Ministry of the Environment, Conservation and Parks

[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for commercial/industrial/community property use, medium and fine textured soils (MECP, 2011).

<### = concentration of analyzed parameter is less than the RDL

= bold and underlined value exceeds the applicable standard

TABLE 10 DATES OF ANALYSIS FOR SUBMITTED SOIL SAMPLES
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Arcadis Sample ID	BV Sample ID	BV Job ID	Date Sampled	Date Range (Extracted)	Date Range (Analyzed)
MW25-01-02	AYOK66	C5G0524	16-Dec-25	2025/12/24 - 2025/12/31	2025/12/23 - 2025/12/31
MW25-01-03	BACJ16	C617714	16-Dec-25	2026-02-23	2026/02/21-2026/2/23
MW25-01-05	BACJ17	C617714	17-Dec-25	2026-02-23	2026/02/21-2026/2/23
MW25-01-06	AYOK69	C5G0524	17-Dec-25	2025/12/24 - 2025/12/31	2025/12/23 - 2025/12/31
MW25-02-03	AYOK67	C5G0524	16-Dec-25	2025/12/24 - 2025/12/31	2025/12/23 - 2025/12/31
MW25-02-04	BACJ18	C617714	16-Dec-25	2026-02-23	2026/02/21-2026/2/23
MW25-02-07	AYOK71	C5G0524	17-Dec-25	2025/12/24 - 2025/12/31	2025/12/23 - 2025/12/31
MW25-02-08	BACJ19	C617714	17-Dec-25	2026-02-23	2026/02/21-2026/2/23
BH25-03-02	BACJ20	C617714	16-Dec-25	2026-02-23	2026/02/21-2026/2/23
BH25-03-03	AYOK68	C5G0524	16-Dec-25	2025/12/24 - 2025/12/31	2025/12/23 - 2025/12/31
BH25-03-06	AYOK72	C5G0524	18-Dec-25	2025/12/24 - 2025/12/31	2025/12/23 - 2025/12/31
DUP-1	AYOK73	C5G0524	18-Dec-25	2025/12/24 - 2025/12/31	2025/12/23 - 2025/12/31
MW25-04-03	BACJ21	C617714	16-Dec-25	2026-02-23	2026/02/21-2026/2/23
MW25-04-04	AYOK65	C5G0524	16-Dec-25	2025/12/24 - 2025/12/31	2025/12/23 - 2025/12/31
MW25-04-06	BACJ22	C617714	17-Dec-25	2026-02-23	2026/02/21-2026/2/23
MW25-04-07	AYOK70	C5G0524	17-Dec-25	2025/12/24 - 2025/12/31	2025/12/23 - 2025/12/31

TABLE 11 GROUNDWATER ELEVATIONS AND MONITORING WELL CONSTRUCTION DETAILS
2000 & 3000 Innovation Drive Kanata, Ottawa, ON

Monitoring Well No.	Easting (m)	Northing (m)	Ground Elevation[1] (m ald)	Top of Casing Elevation[1] (m ald)	Top of Screen Elevation (m ald)	Bottom of Well Elevation (m ald)	Depth of Well (m bgs)	Screened Interval (m bgs)	Monitoring Date	Depth to Water (m btoc)	Depth to Water (m bgs)	Water Table Elevation (m ald)
MW25-01	427385.61	5021440.86	96.48	96.39	91.91	88.86	7.6	4.6 - 7.6	8-Jan-26	1.47	1.56	94.92
									20-Mar-26	0.77	0.86	95.62
									9-Apr-26	0.69	0.78	95.70
MW25-02	427436.52	5021409.95	96.41	96.33	88.33	85.29	11.1	8.1 - 11.1	9-Jan-26	2.95	3.03	93.38
									20-Mar-26	1.36	1.44	94.97
MW25-04	427286.59	5021359.62	99.02	98.89	90.48	87.43	11.6	8.5 - 11.6	8-Jan-26	2.72	2.84	96.17
									20-Mar-26	0.48	0.60	98.42

Notes:

[1] = Elevations are relative to a temporary benchmark - the top of the fire hydrant to the north of 3000 Innovation Drive with an assigned elevation of 100 m

m = metre

m ald = metres above local datum

m bgs = metres below ground surface

m btoc = metres below top of casing

100.57

TABLE 12 GROUNDWATER ANALYTICAL RESULTS
Metals and Inorganics
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01	MW25-02	MW25-04		
						Field Duplicate of MW25-04	RPD (%)
Date Sampled	na	na	08-Jan-26	09-Jan-26	08-Jan-26	08-Jan-26	
Lab Sample ID	na	na	AYYB50	AYYB51	AYYB52	AYYB53	
Sample ID	na	na	MW25-01	MW25-02	MW25-04	DUP26-A	
Metals							
Antimony (Sb)	µg/L	20000	<0.50	<0.50	<0.50	<0.50	nc
Arsenic (As)	µg/L	1900	1.6	1.5	2	1.8	10.5
Barium (Ba)	µg/L	29000	330	160	240	240	0.0
Beryllium (Be)	µg/L	67	<0.40	<0.40	<0.40	<0.40	nc
Boron (B)	µg/L	45000	130	170	57	57	0.0
Cadmium (Cd)	µg/L	2.7	0.2	<0.090	<0.090	<0.090	nc
Chromium (Cr)	µg/L	810	<5.0	<5.0	<5.0	<5.0	nc
Cobalt (Co)	µg/L	66	<0.50	<0.50	<0.50	<0.50	nc
Copper (Cu)	µg/L	87	0.95	1.5	<0.90	<0.90	nc
Iron (Fe)	µg/L	NV	<100	<100	150	150	nc
Lead (Pb)	µg/L	25	<0.50	<0.50	<0.50	<0.50	nc
Mercury (Hg)	µg/L	2.8	<0.10	<0.10	<0.10	<0.10	nc
Molybdenum (Mo)	µg/L	9200	20	15	7.1	6.7	5.8
Nickel (Ni)	µg/L	490	2.7	1.6	<1.0	<1.0	nc
Selenium (Se)	µg/L	63	<2.0	<2.0	<2.0	<2.0	nc
Silver (Ag)	µg/L	1.5	<0.090	<0.090	<0.090	<0.090	nc
Sodium (Na)	µg/L	2300000	1300000	530000	400000	400000	0.0
Thallium (Tl)	µg/L	510	<0.050	<0.050	<0.050	<0.050	nc
Uranium (U)	µg/L	420	1.4	1.1	0.45	0.43	4.5
Vanadium (V)	µg/L	250	0.82	2.8	<0.50	<0.50	nc
Zinc (Zn)	µg/L	1100	<5.0	<5.0	<5.0	<5.0	nc
Inorganics							
pH	pH	NV	7.61	7.92	7.78	7.82	0.5
Phenols-4AAP	mg/L	NV	<0.0010	<0.0010	<0.0010	<0.0010	nc
Free Cyanide	mg/L	66	5	<1	<1	<1	nc

Notes:

µg/L = micrograms per litre
mg/L = milligrams per litre
RDL = reportable detection limit
RPD = relative percent difference
na = not applicable
nc = not calculable
NV = no value
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable groundwater condition for all types of property use, medium and fine textured soils (MECP, 2011)
<### = concentration of analyzed parameter is less than the RDL
= bold and underlined value exceeds the applicable standard

TABLE 13 GROUNDWATER ANALYTICAL RESULTS
Petroleum Hydrocarbons F1 to F4
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01							MW25-02		MW25-04				FIELD BLANK		TRIP BLANK	
					Field Duplicate of MW25-01	RPD (%)		Field Duplicate of MW25-01	RPD (%)				Field Duplicate of MW25-04	RPD (%)					
Date Sampled	na	na	08-Jan-26	20-Mar-26	20-Mar-26		09-Apr-26	09-Apr-26		09-Jan-26	20-Mar-26	08-Jan-26	08-Jan-26		20-Mar-26	20-Mar-26	09-Apr-26	20-Mar-26	09-Apr-26
Lab Sample ID	na	na	AYYB50	BAZO92	BAZO96		BBQB89	BBQB90		AYYB51	BAZO91	AYYB52	AYYB53		BAZO93	BAZO95	BBQB91	BAZO94	BBQB92
Sample ID	na	na	MW25-01	MW25-01	MW25-51		MW25-01	MW25-51		MW25-02	MW25-02	MW25-04	DUP26-A		MW25-04	FIELD BLANK	FIELD BLANK	TRIP BLANK	TRIP BLANK
F1 PHC (C6-C10 minus BTEX)	µg/L	750	<25	<25	<25	nc	<25	<25	nc	<25	<25	<25	<25	nc	<25	<25	<25	<25	<25
F2 PHC (>C10-C16)	µg/L	150	**340**	<90	<90	nc	<90	<90	nc	<90	<90	<90	<90	nc	<90	<90	<90	<90	<90
F3 PHC (>C16-C34)	µg/L	500	<200	<200	<200	nc	<200	<200	nc	<200	<200	<200	<200	nc	<200	<200	<200	<200	<200
F4 PHC (>C34-C50)	µg/L	500	<200	<200	<200	nc	<200	<200	nc	<200	<200	<200	<200	nc	<200	<200	<200	<200	<200

Notes:

µg/L = micrograms per litre
RDL = reportable detection limit
RPD = relative percent difference
BTEX = Benzene, Toulene, Ethylbenzene, Xylenes (Total)
na = not applicable
nc = not calculable
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for all types of property use, medium and fine textured soils (MECP, 2011).
<### = concentration of analyzed parameter is less than the RDL
= bold and underlined value exceeds the applicable standard

TABLE 14 GROUNDWATER ANALYTICAL RESULTS
Semi-Volatile Organic Compounds
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01	MW25-02	MW25-04		
						Field duplicate of MW25-04	RPD (%)
Date Sampled	na	na	8-Jan-2026	9-Jan-2026	8-Jan-2026	8-Jan-2026	
Lab Sample ID	na	na	AYYB50	AYYB51	AYYB52	AYYB53	
Sample ID	na	na	MW25-01	MW25-02	MW25-04	DUP26-A	
Acenaphthene	µg/L	1700	<0.2	<0.2	<0.2	<0.2	nc
Acenaphthylene	µg/L	1.8	<0.2	<0.2	<0.2	<0.2	nc
Anthracene	µg/L	2.4	<0.05	<0.05	<0.05	<0.05	nc
Benzo(a)anthracene	µg/L	4.7	<0.05	<0.05	<0.05	<0.05	nc
Benzo(a)pyrene	µg/L	0.81	<0.01	<0.01	<0.01	<0.01	nc
Benzo(b/j)fluoranthene	µg/L	0.75	<0.05	<0.05	<0.05	<0.05	nc
Benzo(g,h,i)perylene	µg/L	0.2	<0.05	<0.05	<0.05	<0.05	nc
Benzo(k)fluoranthene	µg/L	0.4	<0.05	<0.05	<0.05	<0.05	nc
Chrysene	µg/L	1	<0.05	<0.05	<0.05	<0.05	nc
Dibenz(a,h)anthracene	µg/L	0.52	<0.1	<0.1	<0.1	<0.1	nc
Fluoranthene	µg/L	130	<0.2	<0.2	<0.2	<0.2	nc
Fluorene	µg/L	400	<0.2	<0.2	<0.2	<0.2	nc
Indeno(1,2,3-cd)pyrene	µg/L	0.2	<0.1	<0.1	<0.1	<0.1	nc
1-Methylnaphthalene	µg/L	1800	<0.2	<0.2	<0.2	<0.2	nc
2-Methylnaphthalene	µg/L	1800	<0.2	<0.2	<0.2	<0.2	nc
1+2-Methylnaphthalene	µg/L	1800	<0.28	<0.28	<0.28	<0.28	nc
Naphthalene	µg/L	6400	<0.2	<0.2	<0.2	<0.2	nc
Phenanthrene	µg/L	580	<0.1	<0.1	<0.1	<0.1	nc
Pyrene	µg/L	68	<0.05	<0.05	<0.05	<0.05	nc
1,2,4-Trichlorobenzene	µg/L	850	<0.1	<0.1	<0.1	<0.1	nc
2,4-Dinitrotoluene	µg/L	2900	<0.3	<0.3	<0.3	<0.3	nc
2,6-Dinitrotoluene	µg/L	2900	<0.3	<0.3	<0.3	<0.3	nc
3,3'-Dichlorobenzidine	µg/L	640	<0.5	<0.5	<0.5	<0.5	nc
2,4- & 2,6-Dinitrotoluene	µg/L	2900	<0.35	<0.35	<0.35	<0.35	nc
Biphenyl	µg/L	2200	<0.1	<0.1	<0.1	<0.1	nc
Bis(2-chloroethyl)ether	µg/L	300000	<0.5	<0.5	<0.5	<0.5	nc
Bis(2-chloroisopropyl)ether	µg/L	20000	<0.5	<0.5	<0.5	<0.5	nc
Bis(2-ethylhexyl)phthalate	µg/L	140	<1	<1	<1	<1	nc
Diethyl phthalate	µg/L	38	0.1	0.1	<0.1	<0.1	nc
Dimethyl phthalate	µg/L	38	<0.1	<0.1	<0.1	<0.1	nc
p-Chloroaniline	µg/L	400	<1	<1	<1	<1	nc
Pentachlorophenol	µg/L	62	<0.1	<0.1	<0.1	<0.1	nc

Notes:

µg/L = micrograms per litre
RDL = reportable detection limit
RPD = relative percent difference
na = not applicable
nc = not calculable
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable groundwater condition for all types of property use, medium and fine textured soils (MECP, 2011).
<### = concentration of analyzed parameter is less than the RDL
= bold and underlined value exceeds the applicable standard

TABLE 15 GROUNDWATER ANALYTICAL RESULTS
Polychlorinated Biphenyls
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-02	MW25-04		
					Field Duplicate of MW25-04	RPD (%)
Date Sampled	na	na	09-Jan-26	08-Jan-26	08-Jan-26	
Lab Sample ID	na	na	AYYB51	AYYB52	AYYB53	
Sample ID	na	na	MW25-02	MW25-04	DUP26-A	
Aroclor 1242	ug/L	NV	<0.05	<0.05	<0.05	nc
Aroclor 1248	ug/L	NV	<0.05	<0.05	<0.05	nc
Aroclor 1254	ug/L	NV	<0.05	<0.05	<0.05	nc
Aroclor 1260	ug/L	NV	<0.05	<0.05	<0.05	nc
Total PCB	ug/L	15	<0.05	<0.05	<0.05	nc

Notes:

µg/L = micrograms per litre
PCB = polychlorinated biphenyl
RDL = reportable detection limit
RPD = relative percent difference
na = not applicable
nc = not calculable
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for all types of property use, medium and fine textured soils (MECP, 2011).
<### = concentration of analyzed parameter is less than the RDL
<u>#####</u> = bold and underlined value exceeds the applicable standard

TABLE 16 GROUNDWATER ANALYTICAL RESULTS
Volatile Organic Compounds
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01							MW25-02	
					Field duplicate of MW25-01	RPD (%)		Field duplicate of MW25-01	RPD (%)		
Date Sampled	na	na	08-Jan-26	20-Mar-26	20-Mar-26		09-Apr-26	09-Apr-26		09-Jan-26	20-Mar-26
Lab Sample ID	na	na	AYYB50	BAZO92	BAZO96		BBQB89	BBQB90		AYYB51	BAZO91
Sample ID	na	na	MW25-01	MW25-01	MW25-51		MW25-01	MW25-51		MW25-02	MW25-02
Acetone (2-Propanone)	µg/L	130000	<10	-	-	-	-	-	-	<10	-
Benzene	µg/L	430	<0.17	<0.20	<0.20	nc	<0.20	<0.20	nc	<0.17	<0.20
Bromodichloromethane	µg/L	85000	<0.50	-	-	-	-	-	-	<0.50	-
Bromoform	µg/L	770	<1.0	-	-	-	-	-	-	<1.0	-
Bromomethane	µg/L	56	<0.50	-	-	-	-	-	-	<0.50	-
Carbon Tetrachloride	µg/L	8.4	<0.20	-	-	-	-	-	-	<0.20	-
Chlorobenzene	µg/L	630	<0.20	-	-	-	-	-	-	<0.20	-
Chloroform	µg/L	22	<0.20	-	-	-	-	-	-	<0.20	-
Dibromochloromethane	µg/L	82000	<0.50	-	-	-	-	-	-	<0.50	-
1,2-Dichlorobenzene	µg/L	9600	<0.50	-	-	-	-	-	-	<0.50	-
1,3-Dichlorobenzene	µg/L	9600	<0.50	-	-	-	-	-	-	<0.50	-
1,4-Dichlorobenzene	µg/L	67	<0.50	-	-	-	-	-	-	<0.50	-
Dichlorodifluoromethane	µg/L	4400	<1.0	-	-	-	-	-	-	<1.0	-
1,1-Dichloroethane	µg/L	3100	<0.20	-	-	-	-	-	-	<0.20	-
1,2-Dichloroethane	µg/L	12	<0.50	-	-	-	-	-	-	<0.50	-
1,1-Dichloroethylene	µg/L	17	<0.20	-	-	-	-	-	-	<0.20	-
cis-1,2-Dichloroethylene	µg/L	17	<0.50	-	-	-	-	-	-	<0.50	-
trans-1,2-Dichloroethylene	µg/L	17	<0.50	-	-	-	-	-	-	<0.50	-
1,2-Dichloropropane	µg/L	140	<0.20	-	-	-	-	-	-	<0.20	-
cis-1,3-Dichloropropene	µg/L	45	<0.30	-	-	-	-	-	-	<0.30	-
trans-1,3-Dichloropropene	µg/L	45	<0.40	-	-	-	-	-	-	<0.40	-
1,3-Dichloropropene (cis+trans)	µg/L	45	<0.50	-	-	-	-	-	-	<0.50	-
Ethylbenzene	µg/L	2300	<0.20	<0.20	<0.20	nc	<0.20	<0.20	nc	<0.20	<0.20
Ethylene Dibromide	µg/L	0.83	<0.20	-	-	-	-	-	-	<0.20	-
Hexane	µg/L	520	<1.0	-	-	-	-	-	-	<1.0	-
Methyl Ethyl Ketone (2-Butanone)	µg/L	1500000	<10	-	-	-	-	-	-	<10	-
Methyl Isobutyl Ketone	µg/L	580000	<5.0	-	-	-	-	-	-	<5.0	-
Methyl t-butyl ether (MTBE)	µg/L	1400	<0.50	-	-	-	-	-	-	<0.50	-
Methylene Chloride	µg/L	5500	<2.0	-	-	-	-	-	-	<2.0	-
Styrene	µg/L	9100	<0.50	-	-	-	-	-	-	<0.50	-
1,1,1,2-Tetrachloroethane	µg/L	28	<0.50	-	-	-	-	-	-	<0.50	-
1,1,2,2-Tetrachloroethane	µg/L	15	<0.50	-	-	-	-	-	-	<0.50	-
Tetrachloroethylene	µg/L	17	<0.20	-	-	-	-	-	-	<0.20	-
Toluene	µg/L	18000	<0.20	<0.20	<0.20	nc	<0.20	<0.20	nc	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	6700	<0.20	-	-	-	-	-	-	<0.20	-
1,1,2-Trichloroethane	µg/L	30	<0.50	-	-	-	-	-	-	<0.50	-
Trichloroethylene	µg/L	17	<0.20	-	-	-	-	-	-	<0.20	-
Trichlorofluoromethane	µg/L	2500	<0.50	-	-	-	-	-	-	<0.50	-
Vinyl Chloride	µg/L	1.7	<0.20	-	-	-	-	-	-	<0.20	-
p+m-Xylene	µg/L	ns	<0.20	<0.40	<0.40	nc	<0.40	<0.40	nc	<0.20	<0.40
o-Xylene	µg/L	ns	<0.20	<0.20	<0.20	nc	<0.20	<0.20	nc	<0.20	<0.20
Total Xylenes	µg/L	4200	<0.20	<0.40	<0.40	nc	<0.40	<0.40	nc	<0.20	<0.40

Notes:

µg/L = micrograms per litre
RDL = reportable detection limit
RPD = relative percent difference
na = not applicable
nc = not calculable
ns = no standard
- = not analysed
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable groundwater condition for all types of property use, medium and fine textured soils (MECP, 2011).
<### = concentration of analyzed parameter is less than the RDL
= bold and underlined value exceeds the applicable standard

TABLE 16 GROUNDWATER ANALYTICAL RES
Volatile Organic Compounds
2000 and 3000 Innovation Drive Kan

Sample Location	Units	MECP Table 3 SCS [1]	MW25-04				FIELD BLANK		TRIP BLANK	
				Field duplicate of MW25-04	RPD (%)					
Date Sampled	na	na	08-Jan-26	08-Jan-26		20-Mar-26	20-Mar-26	09-Apr-26	20-Mar-26	09-Apr-26
Lab Sample ID	na	na	AYYB52	AYYB53		BAZO93	BAZO95	BBQB91	BAZO94	BBQB92
Sample ID	na	na	MW25-04	DUP26-A		MW25-04	FIELD BLANK	FIELD BLANK	TRIP BLANK	TRIP BLANK
Acetone (2-Propanone)	µg/L	130000	<10	<10	nc	-	-	-	-	-
Benzene	µg/L	430	<0.17	<0.17	nc	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	85000	<0.50	<0.50	nc	-	-	-	-	-
Bromoform	µg/L	770	<1.0	<1.0	nc	-	-	-	-	-
Bromomethane	µg/L	56	<0.50	<0.50	nc	-	-	-	-	-
Carbon Tetrachloride	µg/L	8.4	<0.20	<0.20	nc	-	-	-	-	-
Chlorobenzene	µg/L	630	<0.20	<0.20	nc	-	-	-	-	-
Chloroform	µg/L	22	<0.20	<0.20	nc	-	-	-	-	-
Dibromochloromethane	µg/L	82000	<0.50	<0.50	nc	-	-	-	-	-
1,2-Dichlorobenzene	µg/L	9600	<0.50	<0.50	nc	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	9600	<0.50	<0.50	nc	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	67	<0.50	<0.50	nc	-	-	-	-	-
Dichlorodifluoromethane	µg/L	4400	<1.0	<1.0	nc	-	-	-	-	-
1,1-Dichloroethane	µg/L	3100	<0.20	<0.20	nc	-	-	-	-	-
1,2-Dichloroethane	µg/L	12	<0.50	<0.50	nc	-	-	-	-	-
1,1-Dichloroethylene	µg/L	17	<0.20	<0.20	nc	-	-	-	-	-
cis-1,2-Dichloroethylene	µg/L	17	<0.50	<0.50	nc	-	-	-	-	-
trans-1,2-Dichloroethylene	µg/L	17	<0.50	<0.50	nc	-	-	-	-	-
1,2-Dichloropropane	µg/L	140	<0.20	<0.20	nc	-	-	-	-	-
cis-1,3-Dichloropropene	µg/L	45	<0.30	<0.30	nc	-	-	-	-	-
trans-1,3-Dichloropropene	µg/L	45	<0.40	<0.40	nc	-	-	-	-	-
1,3-Dichloropropene (cis+trans)	µg/L	45	<0.50	<0.50	nc	-	-	-	-	-
Ethylbenzene	µg/L	2300	<0.20	<0.20	nc	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylene Dibromide	µg/L	0.83	<0.20	<0.20	nc	-	-	-	-	-
Hexane	µg/L	520	<1.0	<1.0	nc	-	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	µg/L	1500000	<10	<10	nc	-	-	-	-	-
Methyl Isobutyl Ketone	µg/L	580000	<5.0	<5.0	nc	-	-	-	-	-
Methyl t-butyl ether (MTBE)	µg/L	1400	<0.50	<0.50	nc	-	-	-	-	-
Methylene Chloride	µg/L	5500	<2.0	<2.0	nc	-	-	-	-	-
Styrene	µg/L	9100	<0.50	<0.50	nc	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/L	28	<0.50	<0.50	nc	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/L	15	<0.50	<0.50	nc	-	-	-	-	-
Tetrachloroethylene	µg/L	17	<0.20	<0.20	nc	-	-	-	-	-
Toluene	µg/L	18000	<0.20	<0.20	nc	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	6700	<0.20	<0.20	nc	-	-	-	-	-
1,1,2-Trichloroethane	µg/L	30	<0.50	<0.50	nc	-	-	-	-	-
Trichloroethylene	µg/L	17	<0.20	<0.20	nc	-	-	-	-	-
Trichlorofluoromethane	µg/L	2500	<0.50	<0.50	nc	-	-	-	-	-
Vinyl Chloride	µg/L	1.7	<0.20	<0.20	nc	-	-	-	-	-
p+m-Xylene	µg/L	ns	<0.20	<0.20	nc	<0.40	<0.40	<0.40	<0.40	<0.40
o-Xylene	µg/L	ns	<0.20	<0.20	nc	<0.20	<0.20	<0.20	<0.20	<0.20
Total Xylenes	µg/L	4200	<0.20	<0.20	nc	<0.40	<0.40	<0.40	<0.40	<0.40

Notes:

µg/L	= micrograms per litre
RDL	= reportable detection limit
RPD	= relative percent difference
na	= not applicable
nc	= not calculable
ns	= no standard
-	= not analysed
MECP	= Ministry of the Environment, Conservation anc
[1]	= MECP Table 3 full depth generic site condition
<###	= concentration of analyzed parameter is less th
#####	= bold and underlined value exceeds the applicable standard

TABLE 17 GROUNDWATER ANALYTICAL RESULTS
Phenolic Compounds
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01	MW25-02	MW25-04		
						Field Duplicate of MW25-04	RPD (%)
Date Sampled	na	na	08-Jan-26	09-Jan-26	08-Jan-26	08-Jan-26	
Lab Sample ID	na	na	AYYB50	AYYB51	AYYB52	AYYB53	
Sample ID	na	na	MW25-01	MW25-02	MW25-04	DUP26-A	
2,4,5-Trichlorophenol	ug/L	1600	<0.2	<0.2	<0.2	<0.2	nc
2,4,6-Trichlorophenol	ug/L	230	<0.2	<0.2	<0.2	<0.2	nc
2,4-Dichlorophenol	ug/L	4600	<0.1	<0.1	<0.1	<0.1	nc
2,4-Dimethylphenol	ug/L	39000	<0.5	<0.5	<0.5	<0.5	nc
2,4-Dinitrophenol	ug/L	11000	<2	<2	<2	<2	nc
2-Chlorophenol	ug/L	3300	<0.1	<0.1	<0.1	<0.1	nc
Pentachlorophenol	ug/L	62	<0.1	<0.1	<0.1	<0.1	nc
Phenol	ug/L	12000	<0.5	<0.5	<0.5	<0.5	nc
2,3,4,6 + 2,3,4,5-Tetrachlorophenol	ug/L	NV	<1	<1	<1	<1	nc

Notes:

µg/L = micrograms per litre
RDL = reportable detection limit
RPD = relative percent difference
na = not applicable
nc = not calculable
NV = no value
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for all types of property use, medium and fine textured soils (MECP, 2011).
<### = concentration of analyzed parameter is less than the RDL
= bold and underlined value exceeds the applicable standard

TABLE 18 GROUNDWATER ANALYTICAL RESULTS
Glycols
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample Location	Units	MECP Table 3 SCS [1]	MW25-01	MW25-02	MW25-04		
						Field Duplicate of MW25-04	RPD (%)
Date Sampled	na	na	08-Jan-26	09-Jan-26	08-Jan-26	08-Jan-26	
Lab Sample ID	na	na	AYYB50	AYYB51	AYYB52	AYYB53	
Sample ID	na	na	MW25-01	MW25-02	MW25-04	DUP26-A	
Propylene Glycol	mg/L	NV	<5	<5	<5	<5	nc
Ethylene Glycol	mg/L	NV	<5	<5	<5	<5	nc
Diethylene Glycol	mg/L	NV	<5	<5	<5	<5	nc
Total Glycol	mg/L	NV	<5	<5	<5	<5	nc

Notes:

mg/L = milligrams per litre
RDL = reportable detection limit
RPD = relative percent difference
na = not applicable
nc = not calculable
NV = no value
MECP = Ministry of the Environment, Conservation and Parks
[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for all types of property use, medium and fine textured soils (MECP, 2011).
<### = concentration of analyzed parameter is less than the RDL
= bold and underlined value exceeds the applicable standard

TABLE 19 MAXIMUM CONCENTRATIONS OF CONTAMINANTS OF CONCERN IN GROUNDWATER
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Parameter	MECP Table 3 SCS [1]	Units	Maximum Concentration
Petroleum Hydrocarbons			
F1 (C6-C10) - BTEX	750	ug/L	<25
F2 (C10-C16)	150	ug/L	**340**
F3 (C16-C34)	500	ug/L	<200
F4 (C34-C50)	500	ug/L	<200
Volatile Organic Compounds			
Acetone (2-Propanone)	130000	µg/L	<10
Benzene	430	µg/L	<0.17
Bromodichloromethane	85000	µg/L	<0.50
Bromoform	770	µg/L	<1.0
Bromomethane	56	µg/L	<0.50
Carbon Tetrachloride	8.4	µg/L	<0.20
Chlorobenzene	630	µg/L	<0.20
Chloroform	22	µg/L	<0.20
Dibromochloromethane	82000	µg/L	<0.50
1,2-Dichlorobenzene	9600	µg/L	<0.50
1,3-Dichlorobenzene	9600	µg/L	<0.50
1,4-Dichlorobenzene	67	µg/L	<0.50
Dichlorodifluoromethane	4400	µg/L	<1.0
1,1-Dichloroethane	3100	µg/L	<0.20
1,2-Dichloroethane	12	µg/L	<0.50
1,1-Dichloroethylene	17	µg/L	<0.20
cis-1,2-Dichloroethylene	17	µg/L	<0.50
trans-1,2-Dichloroethylene	17	µg/L	<0.50
1,2-Dichloropropane	140	µg/L	<0.20
cis-1,3-Dichloropropene	45	µg/L	<0.30
trans-1,3-Dichloropropene	45	µg/L	<0.40
1,3-Dichloropropene (cis+trans)	45	µg/L	<0.50
Ethylbenzene	2300	µg/L	<0.20
Ethylene Dibromide	0.83	µg/L	<0.20
Hexane	520	µg/L	<1.0
Methyl Ethyl Ketone (2-Butanone)	1500000	µg/L	<10
Methyl Isobutyl Ketone	580000	µg/L	<5.0
Methyl t-butyl ether (MTBE)	1400	µg/L	<0.50
Methylene Chloride	5500	µg/L	<2.0
Styrene	9100	µg/L	<0.50
1,1,1,2-Tetrachloroethane	28	µg/L	<0.50
1,1,2,2-Tetrachloroethane	15	µg/L	<0.50
Tetrachloroethylene	17	µg/L	<0.20
Toluene	18000	µg/L	<0.20
1,1,1-Trichloroethane	6700	µg/L	<0.20
1,1,2-Trichloroethane	30	µg/L	<0.50
Trichloroethylene	17	µg/L	<0.20
Trichlorofluoromethane	2500	µg/L	<0.50
Vinyl Chloride	1.7	µg/L	<0.20
p+m-Xylene	NV	µg/L	<0.20
o-Xylene	NV	µg/L	<0.20
Total Xylenes	4200	µg/L	<0.20

Notes:

µg/L = micrograms per litre

NV = no value

RDL = reportable detection limit

MECP = Ministry of the Environment, Conservation and Parks

[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for commercial/industrial/community property use, medium and fine textured soils (MECP, 2011).

<### = concentration of analyzed parameter is less than the RDL

= bold and underlined value exceeds the applicable standard

TABLE 19 MAXIMUM CONCENTRATIONS OF CONTAMINANTS OF CONCERN IN GROUNDWATER
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Parameter	MECP Table 3 SCS [1]	Units	Maximum Concentration
Semivolatile Organic Compounds			
Acenaphthene	1700	µg/L	<0.2
Acenaphthylene	1.8	µg/L	<0.2
Anthracene	2.4	µg/L	<0.05
Benzo(a)anthracene	4.7	µg/L	<0.05
Benzo(a)pyrene	0.81	µg/L	<0.01
Benzo(b/j)fluoranthene	0.75	µg/L	<0.05
Benzo(g,h,i)perylene	0.2	µg/L	<0.05
Benzo(k)fluoranthene	0.4	µg/L	<0.05
Chrysene	1	µg/L	<0.05
Dibenz(a,h)anthracene	0.52	µg/L	<0.1
Fluoranthene	130	µg/L	<0.2
Fluorene	400	µg/L	<0.2
Indeno(1,2,3-cd)pyrene	0.2	µg/L	<0.1
1-Methylnaphthalene	1800	µg/L	<0.2
2-Methylnaphthalene	1800	µg/L	<0.2
1+2-Methylnaphthalene	1800	µg/L	<0.28
Naphthalene	6400	µg/L	<0.2
Phenanthrene	580	µg/L	<0.1
Pyrene	68	µg/L	<0.05
1,2,4-Trichlorobenzene	850	µg/L	<0.1
2,4,5-Trichlorophenol	1600	µg/L	<0.2
2,4,6-Trichlorophenol	230	µg/L	<0.2
2,4-Dichlorophenol	4600	µg/L	<0.1
2,4-Dimethylphenol	39000	µg/L	<0.5
2,4-Dinitrophenol	11000	µg/L	<2
2,4-Dinitrotoluene	2900	µg/L	<0.3
2,6-Dinitrotoluene	2900	µg/L	<0.3
2-Chlorophenol	3300	µg/L	<0.1
3,3'-Dichlorobenzidine	640	µg/L	<0.5
2,4- & 2,6-Dinitrotoluene	2900	µg/L	<0.35
Biphenyl	2200	µg/L	<0.1
Bis(2-chloroethyl)ether	300000	µg/L	<0.5
Bis(2-chloroisopropyl)ether	20000	µg/L	<0.5
Bis(2-ethylhexyl)phthalate	140	µg/L	<1
Diethyl phthalate	38	µg/L	<0.1
Dimethyl phthalate	38	µg/L	<0.1
p-Chloroaniline	400	µg/L	<1
Pentachlorophenol	62	µg/L	<0.1
Phenol	12000	µg/L	<0.5

Notes:

µg/L = micrograms per litre

NV = no value

RDL = reportable detection limit

MECP = Ministry of the Environment, Conservation and Parks

[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for commercial/industrial/community property use, medium and fine textured soils (MECP, 2011).

<### = concentration of analyzed parameter is less than the RDL

= bold and underlined value exceeds the applicable standard

TABLE 19 MAXIMUM CONCENTRATIONS OF CONTAMINANTS OF CONCERN IN GROUNDWATER
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Parameter	MECP Table 3 SCS [1]	Units	Maximum Concentration
Metals			
Antimony (Sb)	20000	µg/L	<0.50
Arsenic (As)	1900	µg/L	2
Barium (Ba)	29000	µg/L	330
Beryllium (Be)	67	µg/L	<0.40
Boron (B)	45000	µg/L	170
Cadmium (Cd)	2.7	µg/L	0.2
Cobalt (Co)	66	µg/L	<5.0
Iron (Fe)	NV	µg/L	150
Lead (Pb)	25	µg/L	<0.50
Mercury (Hg)	2.8	µg/L	<0.10
Molybdenum (Mo)	9200	µg/L	20
Nickel (Ni)	490	µg/L	2.7
Selenium (Se)	63	µg/L	<2.0
Silver (Ag)	1.5	µg/L	<0.090
Sodium (Na)	2300000	µg/L	1300000
Thallium (Tl)	510	µg/L	<0.050
Uranium (U)	420	µg/L	1.4
Vanadium (V)	250	µg/L	2.8
Zinc (Zn)	1100	µg/L	<5.0
Inorganics			
pH	NV	pH	7.92
Phenols-4AAP	NV	mg/L	<0.0010
Free Cyanide	66	mg/L	<1
Phenols			
2,4,5-Trichlorophenol	1600	ug/L	<0.2
2,4,6-Trichlorophenol	230	ug/L	<0.2
2,4-Dichlorophenol	4600	ug/L	<0.1
2,4-Dimethylphenol	39,000	ug/L	<0.5
2,4-Dinitrophenol	11,000	ug/L	<2
2-Chlorophenol	3300	ug/L	<0.1
Pentachlorophenol	62	ug/L	<0.1
Phenol	12,000	ug/L	<0.5
2,3,4,6 + 2,3,4,5-Tetrachlorophenol	NV	ug/L	<1
Polychlorinated Biphenyls			
Aroclor 1242	NV	ug/L	<0.05
Aroclor 1248	NV	ug/L	<0.05
Aroclor 1254	NV	ug/L	<0.05
Aroclor 1260	NV	ug/L	<0.05
Total PCB	15	ug/L	<0.05
Glycols			
Propylene Glycol	NV	mg/L	<5
Ethylene Glycol	NV	mg/L	<5
Diethylene Glycol	NV	mg/L	<5
Total Glycol	NV	mg/L	<5

Notes:

µg/L = micrograms per litre

mg/L = milligrams per litre

NV = no value

RDL = reportable detection limit

MECP = Ministry of the Environment, Conservation and Parks

[1] = MECP Table 3 full depth generic site condition standards in a non-potable ground water condition for commercial/industrial/community property use, medium and fine textured soils (MECP, 2011).

<### = concentration of analyzed parameter is less than the RDL

= bold and underlined value exceeds the applicable standard

TABLE 20 DATES OF ANALYSIS FOR SUBMITTED GROUNDWATER SAMPLES
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Arcadis Sample ID	BV Sample ID	BV Job ID	Date Sampled	Date Range (Extracted)	Date Range (Analyzed)
MW25-01	AYYB50	C602685	08/01/2026	10/01/2026-16/01/2026	12/01/2026-16/01/2026
	BAZO92	C629147	20/03/2026	25/03/2026	26/03/2026
	BBQB89	C637572	09/04/2026	14/04/2026	14/04/2026
MW25-02	AYYB51	C602685	09/01/2026	10/01/2026-16/01/2026	12/01/2026-16/01/2026
	BAZO91	C629147	20/03/2026	25/03/2026	26/03/2026
MW25-04	AYYB52	C602685	08/01/2026	10/01/2026-16/01/2026	12/01/2026-16/01/2026
	BAZO93	C629147	20/03/2026	25/03/2026	26/03/2026
DUP26-A	AYYB53	C602685	08/01/2026	10/01/2026-16/01/2026	12/01/2026-16/01/2026

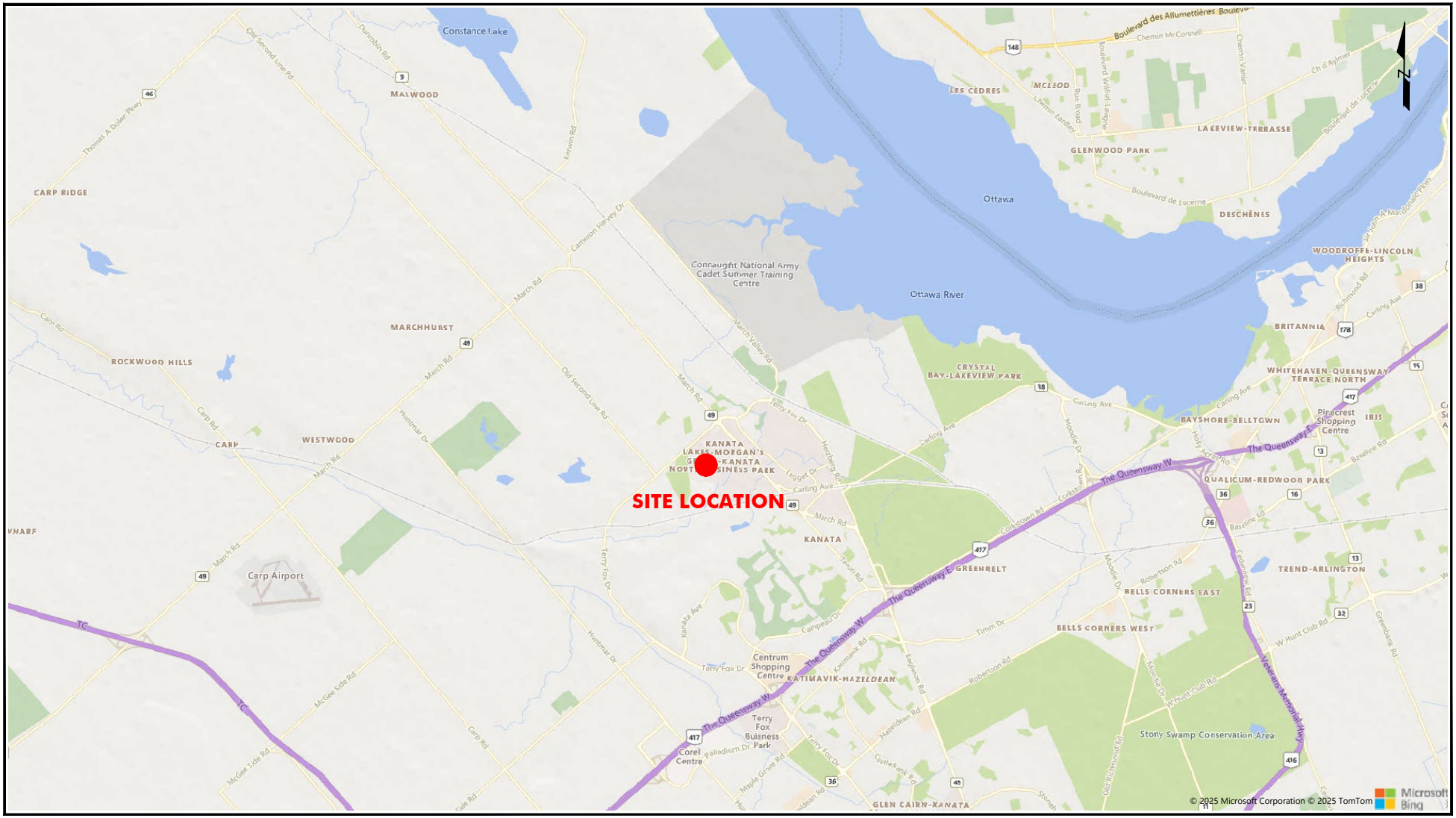
TABLE 21 SOIL ANALYTICAL RESULTS
Waste Characterization Results
2000 and 3000 Innovation Drive Kanata, Ottawa, ON

Sample ID Laboratory Sample No. Date Sampled	Units	Schedule 4 Leachate Quality Criteria[1]	TCLP AYOK88 18-Dec-25
Metals			
Leachable Arsenic (As)	mg/L	2.5	<0.2
Leachable Barium (Ba)	mg/L	100	0.5
Leachable Boron (B)	mg/L	500	<0.1
Leachable Cadmium (Cd)	mg/L	0.5	<0.05
Leachable Chromium (Cr)	mg/L	5	<0.1
Leachable Lead (Pb)	mg/L	5	<0.1
Leachable Mercury (Hg)	mg/L	0.1	<0.001
Leachable Selenium (Se)	mg/L	1	<0.1
Leachable Silver (Ag)	mg/L	5	<0.01
Leachable Uranium (U)	mg/L	10	<0.01
Polyaromatic Hydrocarbons			
Leachable Benzo(a)pyrene	ug/L	1	<0.10
Volatile Organics			
Leachable Benzene	mg/L	0.5	<0.020
Leachable Chloroform	mg/L	10	<0.020
Leachable Chlorobenzene	mg/L	8	<0.020
Leachable Carbon Tetrachloride	mg/L	0.5	<0.020
Leachable 1,2-Dichlorobenzene	mg/L	20	<0.050
Leachable 1,4-Dichlorobenzene	mg/L	0.5	<0.050
Leachable 1,2-Dichloroethane	mg/L	0.5	<0.050
Leachable 1,1-Dichloroethylene	mg/L	1.4	<0.020
Leachable Methyl Ethyl Ketone	mg/L	200	<0.20
Leachable Methylene Chloride	mg/L	5	<1.0
Leachable Tetrachloroethylene	mg/L	3	<0.020
Leachable Trichloroethylene	mg/L	5	<0.020
Leachable Vinyl Chloride	mg/L	0.2	<0.020
Inorganics			
Leachable Free Cyanide	mg/L	20	<0.010
Leachable Fluoride (F-)	mg/L	150	0.16
Leachable Nitrate (N)	mg/L	ns	<1.0
Leachable Nitrite (N)	mg/L	ns	<0.10
Leachable Nitrate + Nitrite (N)	mg/L	1000	<1.0
Final pH	pH units	NV	6.27
Initial pH	pH units	NV	9.76
Ignitability	na	NV	NF/NI

Notes:

mg/L = milligrams per litre
ug/L = micrograms per litre
RDL = reportable detection limit
na = not applicable
NV = no value
NF/NI = non-flammable/non-ignitable
[1] = Regulation 347 of the Revised Regulations of Ontario, 1990 (as ammended), Schedule 4 – Lechate Quality Criteria
<### = concentration of analyzed parameter is less than the RDL
= value exceeds the applicable Leachate Quality Criteria

Figures



LEGEND

- PHASE TWO PROPERTY LOCATION

Title: **SITE LOCATION**	
ARCADIS	Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT 2000 & 3000 INNOVATION DRIVE KANATA, OTTAWA, ON**
Date: February 2026	Client: **CISCO SYSTEMS (CANADA) CO.**
Metres 1500 0 1500 3000 1:100000	**FIGURE 1**

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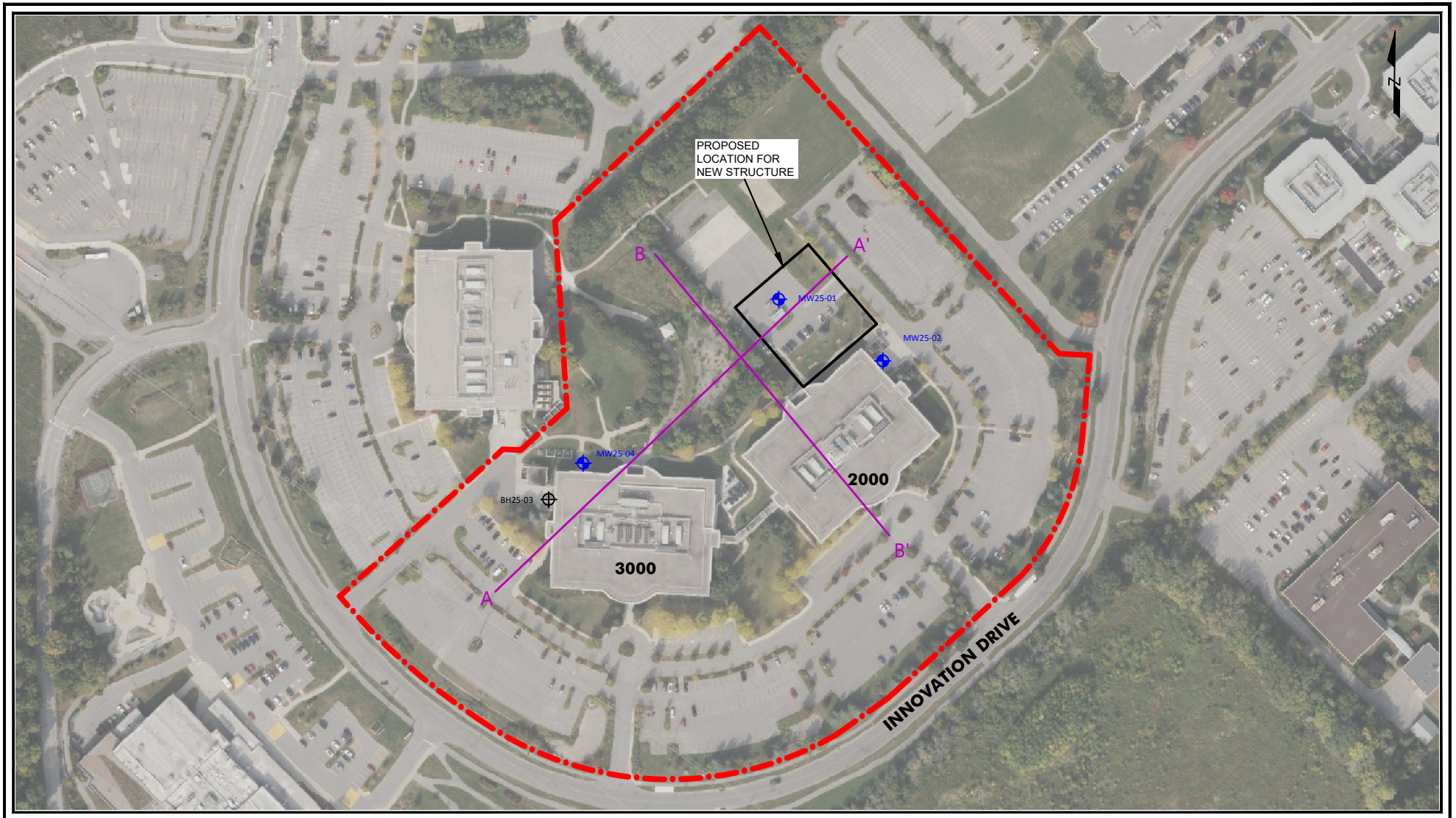

LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- CROSS SECTION LOCATIONS

Title: **SITE PLAN**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT**
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON

Date: February 2026

Client: **CISCO SYSTEMS (CANADA) CO.**

Metres
35 0 35 70
1:2800

FIGURE 2

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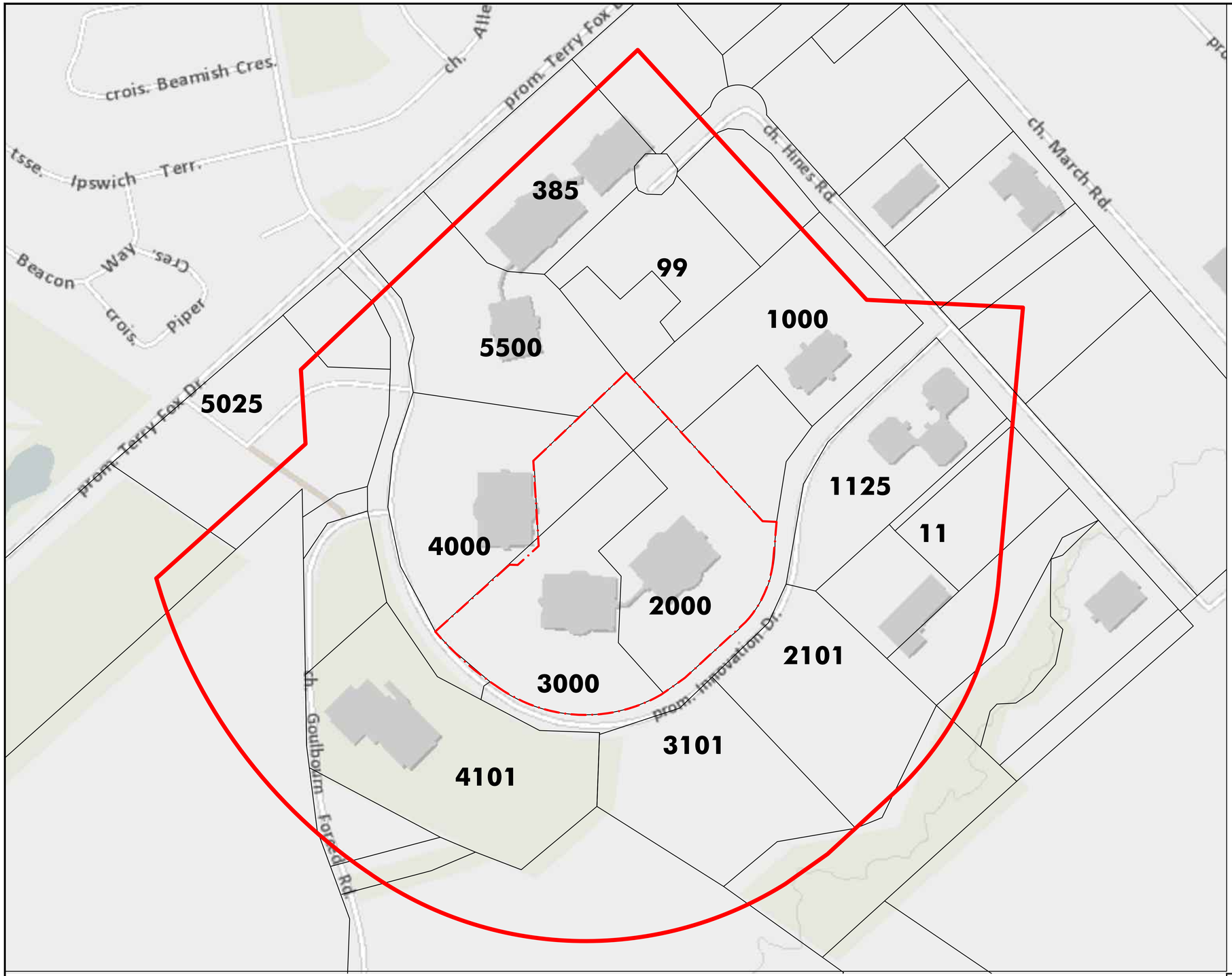

LEGEND

PHASE TWO PROPERTY BOUNDARY

250m BUFFER AREA

LEGEND

PHASE TWO PROPERTY BOUNDARY

Title: **PHASE TWO PROPERTY AND SURROUNDING PROPERTIES**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT 2000 & 3000 INNOVATION DRIVE KANATA, OTTAWA, ON**

Date: February 2026

Client: **CISCO SYSTEMS (CANADA) CO.**

Metres

75 0 75 150

1:2300

FIGURE 3.1

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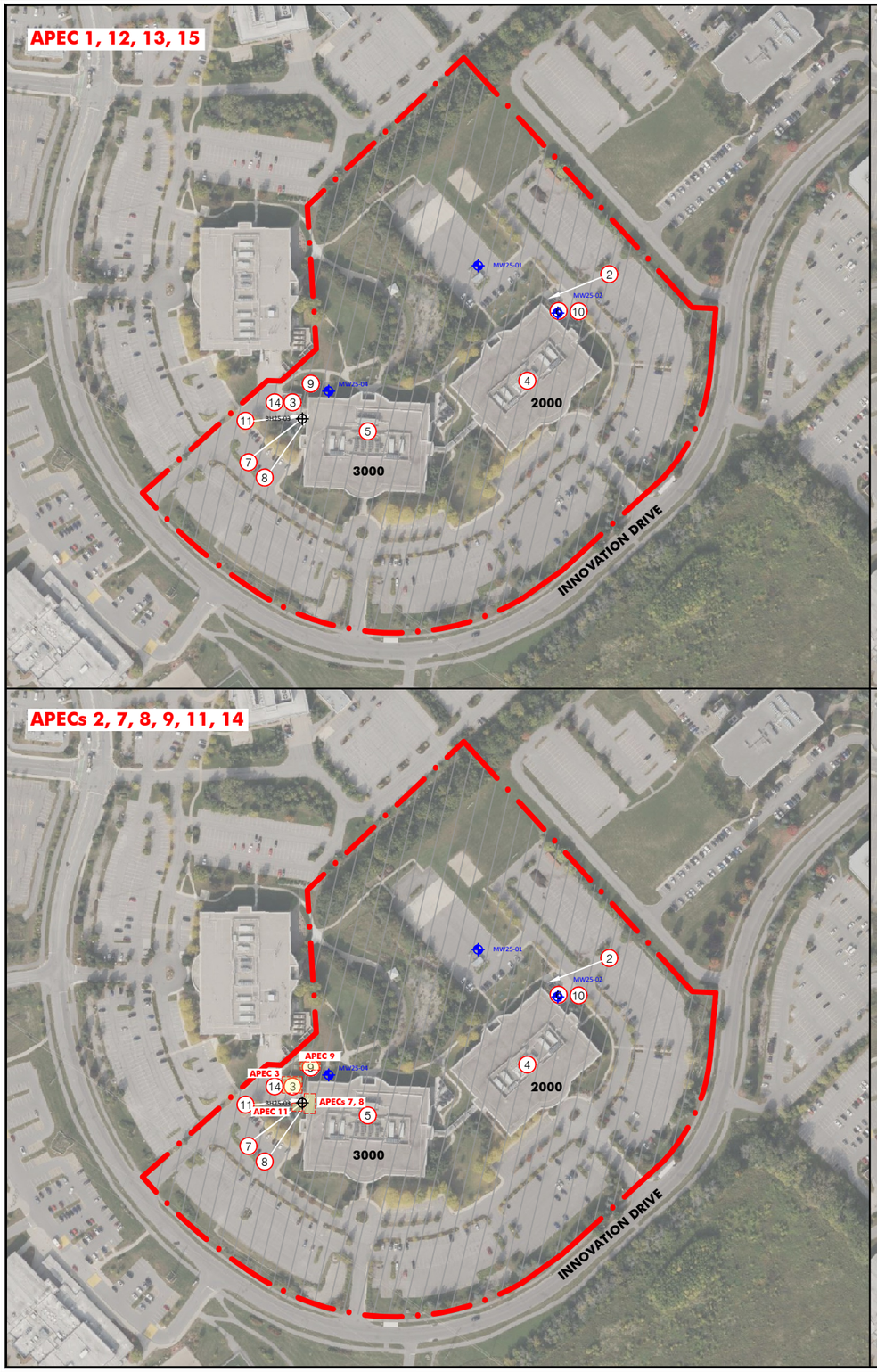

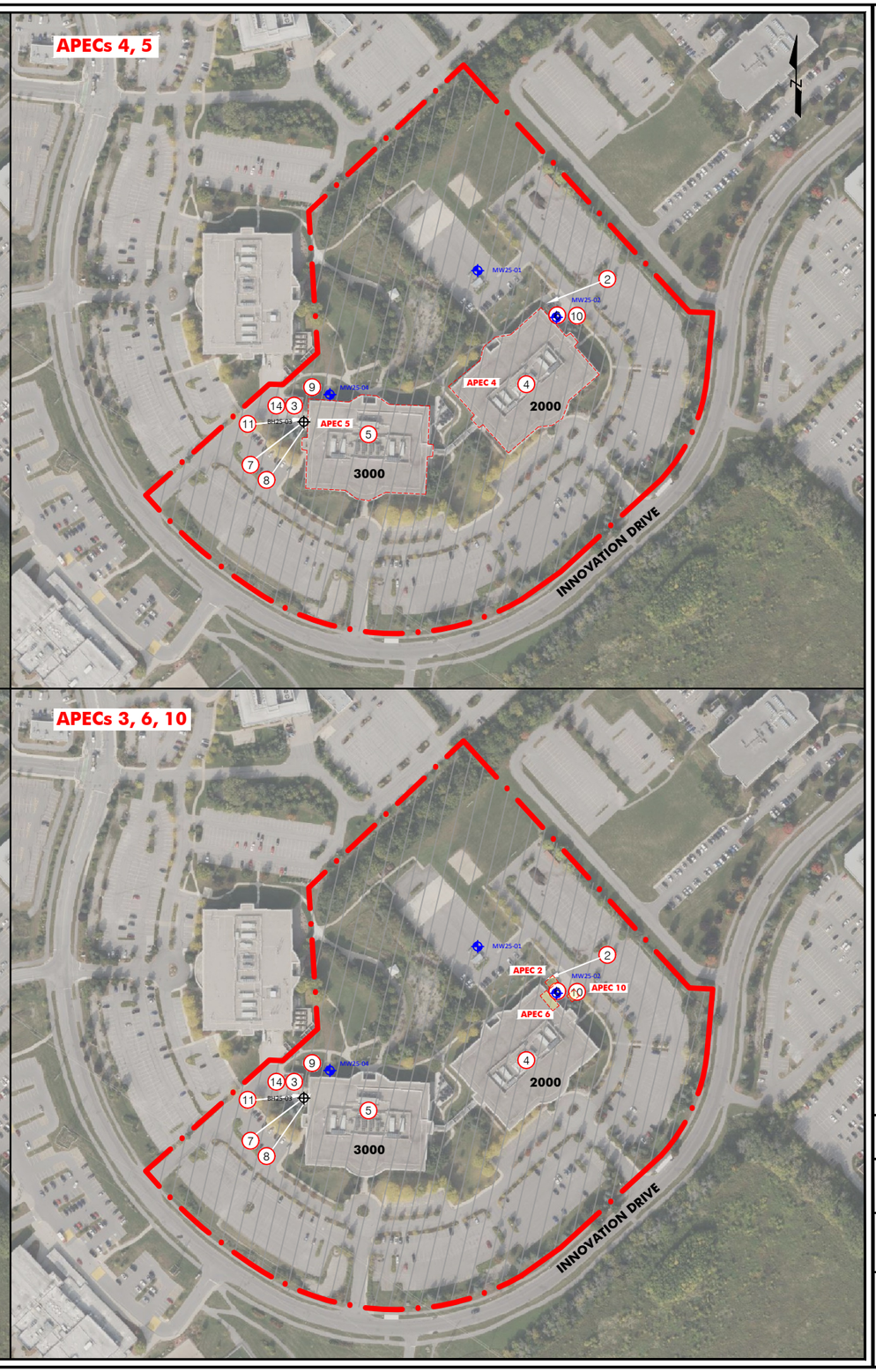

LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION

APEC	LOCATION OF APEC ON THE PHASE I PROPERTY	APEC DESCRIPTION	PCA #
APEC 1	Entire Ph I Property	Unknown fill material	1
APEC 2	East of building 2000 Innovation Drive	Standby diesel-fueled generator and associated ASTs	2
APEC 3	Northwest corner exterior at 3000 Innovation Drive	Two standby diesel-fueled generator and associated ASTs	3
APEC 4	East portion of the Phase I Property	Hazardous Waste Generator	4
APEC 5	West portion of the Phase I Property	Hazardous Waste Generator	5
APEC 6	East side of building at 2000 Innovation Drive	Hydraulic lift	6
APEC 7	West side of building at 3000 Innovation Drive	Hydraulic lift	7
APEC 8	West side of building at 3000 Innovation Drive	Oil/water separator	8
APEC 9	Northwest corner of 3000 Innovation Drive	Transformers	9
APEC 10	East side of building at 2000 Innovation Drive	Transformer	10
APEC 11	Western half of Phase I property	Historical spill/leaks	11
APEC 12	Entire Phase I property	Historical spill/leaks	12
APEC 13	Entire Phase I property	Historical spill/leaks	13
APEC 14	Northwest of building at 3000 Innovation Drive	Historical spill/leaks	14
APEC 15	Entire Ph I Property	Off-site: Former City of Ottawa Facility Operations Service at 4101 Innovation Drive	15
		Off-Site: Former March Landfill	16

POTENTIALLY CONTAMINATING ACTIVITIES

- PCA #1: Likely presence of fill material brought in during site development; placement of gravel fill of unknown origin across the site
- (2) PCA #2: Standby diesel-fueled generator and associated ASTs at 2000 Innovation Drive
- (3) PCA #3: Standby diesel-fueled generator and associated ASTs at 3000 Innovation Drive
- (4) PCA #4: Hazardous Waste Generator at 2000 Innovation Drive
- (5) PCA #5: Hazardous Waste Generator at 3000 Innovation Drive
- (6) PCA #6: Presence of two (2) hydraulic lifts located at the loading docks at 2000 Innovation Drive
- (7) PCA #7: Presence of two (2) hydraulic lifts located at the loading docks at 3000 Innovation Drive
- (8) PCA #8: Presence of an oil/water separator
- (9) PCA #9: Presence of 3 transformers
- (10) PCA #10: Presence of a transformer located east of the building at 2000 Innovation Drive
- (11) PCA #11: Historical onsite spills/leaks of 113 L of suspected Glycol on the 3000 Innovation Drive property
  PCA #12: Historical onsite spills/leaks of 265 L of suspected Glycol on the 3000 Innovation Drive property
- (13) PCA #13: Historical onsite spills/leaks of 100 L of suspected Glycol on the 3000 Innovation Drive property
  PCA #14: Historical onsite spills/leaks of 120 L of suspected non PCB transformer oil on the 3000 Innovation Drive property
- (15) PCA #15: Historical hazardous waste storage and disposal at 4101 Innovation Drive
- (16) PCA #16: Former March Landfill

Metres
45 0 45 90
1:3500

Title:
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN - APECs

Project:
PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON

Client:
CISCO SYSTEMS (CANADA) CO.

ARCADIS

Date:
February 2026

FIGURE 3.2

LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- (98.0) MEASURED GROUNDWATER ELEVATION (m ald)
- INTERPRETED GROUNDWATER ELEVATION CONTOUR (m ald)
- INTERPRETED SHALLOW HORIZONTAL GROUNDWATER FLOW DIRECTION

NOTES:
m ald: metres above local datum

Elevations were surveyed relative to the top of the fire hydrant north of 3000 Innovation Drive, with an assumed elevation of 100 metres.

Title:
INTERPRETED GROUNDWATER FLOW DIRECTION (FEBRUARY 2026)

ARCADIS

Project:
PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON

Date:
April 2026

Client:
CISCO SYSTEMS (CANADA) CO.

Metres
35 0 35 70
1:2800

FIGURE 4.1

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LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- (98.0) MEASURED GROUNDWATER ELEVATION (m ald)
- INTERPRETED GROUNDWATER ELEVATION CONTOUR (m ald)
- INTERPRETED SHALLOW HORIZONTAL GROUNDWATER FLOW DIRECTION

NOTES:
m ald: metres above local datum

Elevations were surveyed relative to the top of the fire hydrant north of 3000 Innovation Drive, with an assumed elevation of 100 metres.

Title: **INTERPRETED GROUNDWATER FLOW DIRECTION (MARCH 2026)**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT 2000 & 3000 INNOVATION DRIVE KANATA, OTTAWA, ON**

Date: April 2026

Client: **CISCO SYSTEMS (CANADA) CO.**

Metres
35 0 35 70
1:2800

FIGURE 4.2

last saved 21-Apr-26 by dlogan

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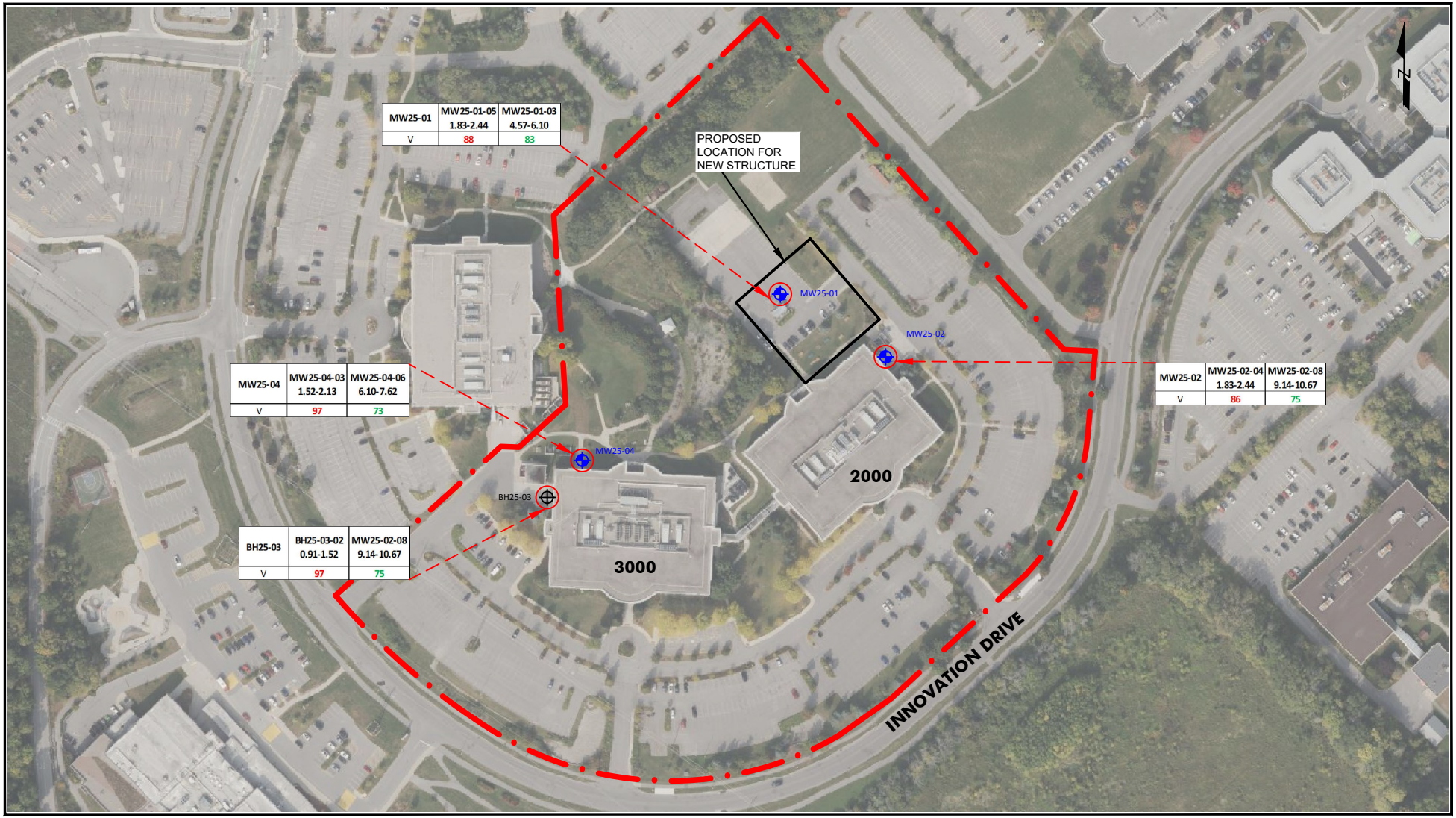

LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
- ONE OR MORE SAMPLE LOCATION PARAMETERS EXCEED SITE CONDITION STANDARDS

NOTES:
MECP: Ministry of the Environment, Conservation and Parks
m bgs: Metres below ground surface
(## - ##): Soil Sample Depth Interval
V: Vanadium

Site Condition Standards
Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils (MECP, 2011).

Sample Location	Sample Depth (m bgs)
MW25-01	1.22-1.83
	1.83-2.44
	4.57-6.10
	6.10-7.62
MW25-02	1.22-1.83
	1.83-2.44
	7.62-9.14
	9.14-10.67
BH25-03	0.91-1.52
	1.52-2.13
	6.07-7.32
MW24-04	1.52-2.13
	2.13-2.74
	6.10-7.62
	9.14-10.67

Title:
SOIL ANALYTICAL RESULTS - METALS AND INORGANICS

ARCADIS

Project:
PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON

Date:
February 2026

Client:
CISCO SYSTEMS (CANADA) CO.

Metres
35 0 35 70
1:2800

FIGURE 5.1

last saved 27-Feb-26 by dlogan

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LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
- ONE OR MORE SAMPLE LOCATION PARAMETERS EXCEED SITE CONDITION STANDARDS

NOTES:
MECP: Ministry of the Environment, Conservation and Parks
m bgs: Metres below ground surface
(## - ##): Soil Sample Depth Interval
PHCs: Petroleum Hydrocarbons

Site Condition Standards
Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils.

Sample Location	Sample Depth (m bgs)
MW25-01	1.22-1.83
	6.10-7.62
MW25-02	1.22-1.83
	7.62-9.14
BH25-03	1.52-2.13
	6.07-7.32
MW24-04	2.13-2.74
	9.14-10.67

Title:
SOIL ANALYTICAL RESULTS - PHCs

ARCADIS

Project:
PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON

Date:
February 2026

Client:
CISCO SYSTEMS (CANADA) CO.

Metres
35 0 35 70
1:2800

FIGURE 5.2

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LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
- ONE OR MORE SAMPLE LOCATION PARAMETERS EXCEED SITE CONDITION STANDARDS

NOTES:
MECP: Ministry of the Environment, Conservation and Parks
m bgs: Metres below ground surface
(## - ##): Soil Sample Depth Interval
SVOCs: Semi-Volatile Organic Compounds

Site Condition Standards
Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils.

Sample Location	Sample Depth (m bgs)
MW25-01	1.22-1.83
	6.10-7.62
MW25-02	1.22-1.83
	7.62-9.14
BH25-03	1.52-2.13
	6.07-7.32
MW24-04	2.13-2.74
	9.14-10.67

Title:
SOIL ANALYTICAL RESULTS - SVOCs

ARCADIS

Project:
PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON

Date:
February 2026

Client:
CISCO SYSTEMS (CANADA) CO.

Metres
35 0 35 70
1:2800

FIGURE 5.3

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LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
- ONE OR MORE SAMPLE LOCATION PARAMETERS EXCEED SITE CONDITION STANDARDS

NOTES:
MECP: Ministry of the Environment, Conservation and Parks
m bgs: Metres below ground surface
(## - ##): Soil Sample Depth Interval
PCBs: Polychlorinated Biphenyls

Site Condition Standards
Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils.

Sample Location	Sample Depth (m bgs)
MW25-01	1.22-1.83
	6.10-7.62
MW25-02	1.22-1.83
	7.62-9.14
BH25-03	1.52-2.13
	6.07-7.32
MW24-04	2.13-2.74
	9.14-10.67

Title:
SOIL ANALYTICAL RESULTS - PCBs

ARCADIS

Project:
PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON

Date:
February 2026

Client:
CISCO SYSTEMS (CANADA) CO.

Metres
35 0 35 70
1:2800

FIGURE 5.4

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LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
- ONE OR MORE SAMPLE LOCATION PARAMETERS EXCEED SITE CONDITION STANDARDS

NOTES:
MECP: Ministry of the Environment, Conservation and Parks
m bgs: Metres below ground surface
(## - ##): Soil Sample Depth Interval
VOCs: Volatile Organic Compounds

Title: **SOIL ANALYTICAL RESULTS - VOCs**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT 2000 & 3000 INNOVATION DRIVE KANATA, OTTAWA, ON**

Date: February 2026

Client: **CISCO SYSTEMS (CANADA) CO.**

Metres
35 0 35 70
1:2800

FIGURE 5.5

last saved 25-Feb-26 by dlogan

C:\Users\dlogan\OneDrive - ARCADIS\Documents\@WFH\30270525 CISCO PH I ESA\30298433 CISCO PH I ESA\PHASE II\30298433 CISCO PH II ESA.dwg

LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
- ONE OR MORE SAMPLE LOCATION PARAMETERS EXCEED SITE CONDITION STANDARDS

NOTES:
MECP: Ministry of the Environment, Conservation and Parks
m bgs: Metres below ground surface
(## - ##): Soil Sample Depth Interval

Site Condition Standards
Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils.

Sample Location	Sample Depth (m bgs)
MW25-01	1.22-1.83
	6.10-7.62
MW25-02	1.22-1.83
	7.62-9.14
BH25-03	1.52-2.13
	6.07-7.32
MW24-04	2.13-2.74
	9.14-10.67

Title:
SOIL ANALYTICAL RESULTS - PHENOLICS

ARCADIS

Project:
PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON

Date:
February 2026

Client:
CISCO SYSTEMS (CANADA) CO.

Metres
35 0 35 70
1:2800

FIGURE 5.6

last saved 25-Feb-26 by dlogan

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LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
- ONE OR MORE SAMPLE LOCATION PARAMETERS EXCEED SITE CONDITION STANDARDS

Site Condition Standards
Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils.

Sample Location	Sample Depth (m bgs)
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	6.10-7.62
MW25-02	1.22-1.83
	7.62-9.14
BH25-03	1.52-2.13
	6.07-7.32
MW24-04	2.13-2.74
	9.14-10.67

NOTES:
MECP: Ministry of the Environment, Conservation and Parks
m bgs: Metres below ground surface
(## - ##): Soil Sample Depth Interval

Title:
SOIL ANALYTICAL RESULTS - GLYCOLS

ARCADIS

Project:
PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON

Date:
February 2026

Client:
CISCO SYSTEMS (CANADA) CO.

Metres
35 0 35 70
1:2800

FIGURE 5.7

last saved 25-Feb-26 by dlogan

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LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
- ONE OR MORE SAMPLE LOCATION PARAMETERS EXCEED SITE CONDITION STANDARDS

Site Condition Standards
Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils (MECP, 2011).

Sample Location	Screened Interval (m bgs)
MW25-01	4.6 - 7.6
MW25-02	8.1 - 11.1
MW24-04	8.5 - 11.6

NOTES:
m bgs: Metres below ground surface
MECP: Ministry of the Environment, Conservation and Parks
(## - ##):Well Screen Interval (m bgs)

Title:
GW ANALYTICAL RESULTS - METALS AND INORGANICS

ARCADIS

Project:
PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON

Date:
February 2026

Client:
CISCO SYSTEMS (CANADA) CO.

Metres
35 0 35 70
1:2800

FIGURE 6.1

last saved 25-Feb-26 by dlogan

C:\Users\dlogan\OneDrive - ARCADIS\Documents\@WFH\30270525 CISCO PH I ESA\30298433 CISCO PH I ESA\PHASE II\30298433 CISCO PH II ESA.dwg

LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
- ONE OR MORE SAMPLE LOCATION PARAMETERS EXCEED SITE CONDITION STANDARDS

NOTES:
All concentrations are in µg/L
µg/L: Micrograms per litre
m bgs: Metres below ground surface
MECP: Ministry of the Environment, Conservation and Parks
PHCs - Petroleum Hydrocarbons

(##- ##): Well screen interval (m bgs)
VALUE - Concentration satisfies the applicable MECP Table 3 Site Condition Standards
VALUE - Concentration exceeds the applicable MECP Table 3 Site Condition Standards

Site Condition Standards

Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils (MECP, 2011).

PARAMETER	SYMBOL	UNIT	MECP Table 3 SCS
F2 PHC (>C10-C16)	F2	µg/L	150

Sample Location	Screened Interval (m bgs)
MW25-01	4.6 - 7.6
MW25-02	8.1 - 11.1
MW24-04	8.5 - 11.6

Title:
GROUNDWATER ANALYTICAL RESULTS - PHCs

ARCADIS

Project:
PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON

Date:
April 2026

Client:
CISCO SYSTEMS (CANADA) CO.

Metres
35 0 35 70
1:2800

FIGURE 6.2

last saved 21-Apr-26 by dlogan

C:\Users\dlogan\OneDrive - ARCADIS\Documents\@WFH\30270525 CISCO PH I ESA\30298433 CISCO PH I ESA\PHASE II\30298433 CISCO PH II ESA.dwg

LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
- ONE OR MORE SAMPLE LOCATION PARAMETERS EXCEED SITE CONDITION STANDARDS

Site Condition Standards
Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils (MECP, 2011).

Sample Location	Screened Interval (m bgs)
MW25-01	4.6 - 7.6
MW25-02	8.1 - 11.1
MW24-04	8.5 - 11.6

NOTES:
m bgs: Metres below ground surface
MECP: Ministry of the Environment, Conservation and Parks
(## - ##):Well Screen Interval (m bgs)

Title: **GW ANALYTICAL RESULTS - SVOCs**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON**

Date: February 2026

Client: **CISCO SYSTEMS (CANADA) CO.**

Metres
35 0 35 70
1:2800

FIGURE 6.3

last saved 25-Feb-26 by dlogan

C:\Users\dlogan\OneDrive - ARCADIS\Documents\@WFH\30270525 CISCO PH I ESA\30298433 CISCO PH I ESA\PHASE II\30298433 CISCO PH II ESA.dwg

LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
- ONE OR MORE SAMPLE LOCATION PARAMETERS EXCEED SITE CONDITION STANDARDS

Site Condition Standards
Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils (MECP, 2011).

Sample Location	Screened Interval (m bgs)
MW25-01	4.6 - 7.6
MW25-02	8.1 - 11.1
MW24-04	8.5 - 11.6

NOTES:
m bgs: Metres below ground surface
MECP: Ministry of the Environment, Conservation and Parks
(## - ##):Well Screen interval (m bgs)
PCBs: Polychlorinated Biphenyls

Title: **GW ANALYTICAL RESULTS - PCBs**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON**

Date: February 2026

Client: **CISCO SYSTEMS (CANADA) CO.**

Metres
35 0 35 70
1:2800

FIGURE 6.4

last saved 25-Feb-26 by dlogan

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LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
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Site Condition Standards
Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils (MECP, 2011).

Sample Location	Screened Interval (m bgs)
MW25-01	4.6 - 7.6
MW25-02	8.1 - 11.1
MW24-04	8.5 - 11.6

NOTES:
m bgs: Metres below ground surface
MECP: Ministry of the Environment, Conservation and Parks
(## - ##):Well Screen Interval (m bgs)
VOCs: Volatile Organic Compounds

Title: **GW ANALYTICAL RESULTS - VOCs**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT 2000 & 3000 INNOVATION DRIVE KANATA, OTTAWA, ON**

Date: February 2026

Client: **CISCO SYSTEMS (CANADA) CO.**

Metres
35 0 35 70
1:2800

FIGURE 6.5

last saved 25-Feb-26 by dlogan

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LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
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Site Condition Standards
Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils (MECP, 2011).

Sample Location	Screened Interval (m bgs)
MW25-01	4.6 - 7.6
MW25-02	8.1 - 11.1
MW24-04	8.5 - 11.6

NOTES:
m bgs: Metres below ground surface
MECP: Ministry of the Environment, Conservation and Parks
(## - ##) Well Screen interval (m bgs)

Title:
GW ANALYTICAL RESULTS - PHENOLICS

ARCADIS

Project:
PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON

Date:
February 2026

Client:
CISCO SYSTEMS (CANADA) CO.

Metres
35 0 35 70
1:2800

FIGURE 6.6

last saved 25-Feb-26 by dlogan

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LEGEND

- PHASE TWO PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- ALL SAMPLE LOCATION PARAMETERS SATISFY SITE CONDITION STANDARDS
- ONE OR MORE SAMPLE LOCATION PARAMETERS EXCEED SITE CONDITION STANDARDS

Site Condition Standards
Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011, Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils (MECP, 2011).

Sample Location	Screened Interval (m bgs)
MW25-01	4.6 - 7.6
MW25-02	8.1 - 11.1
MW24-04	8.5 - 11.6

NOTES:
m bgs: Metres below ground surface
MECP: Ministry of the Environment, Conservation and Parks
(## - ##):Well Screen interval (m bgs)

Title: **GW ANALYTICAL RESULTS - GLYCOLS**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT
2000 & 3000 INNOVATION DRIVE
KANATA, OTTAWA, ON**

Date: February 2026

Client: **CISCO SYSTEMS (CANADA) CO.**

Metres
35 0 35 70
1:2800

FIGURE 6.7

last saved 25-Feb-26 by dlogan

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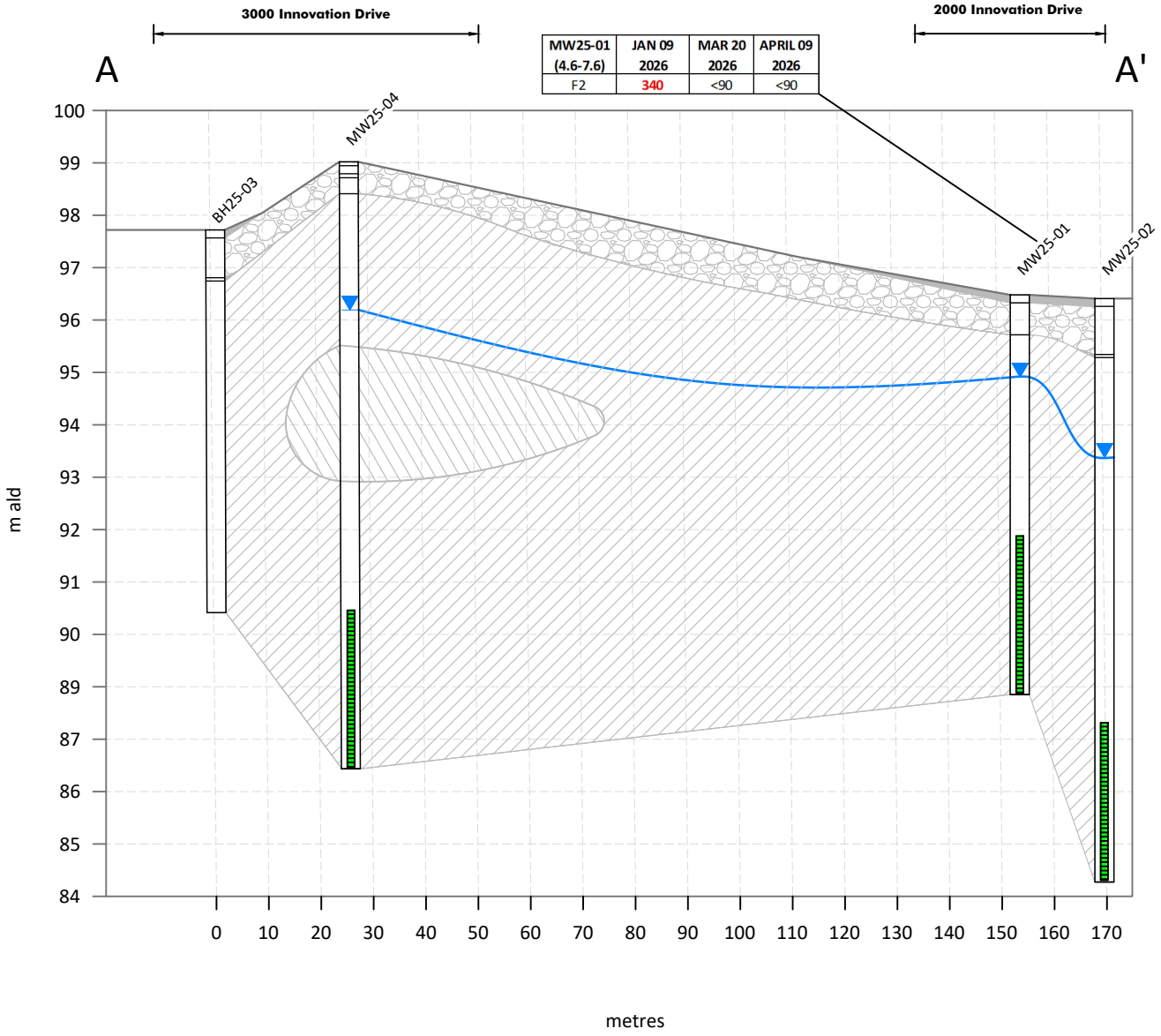


NOTES:
All concentrations are in µg/L
µg/L: micrograms per litre
m bgs: metres below ground surface
m ald: metres above local datum
MECP: Ministry of the Environment, Conservation and Parks
PHCs : Petroleum Hydrocarbons

VALUE - Concentration statisfies the applicable MECP Table 3 Site Condition Standards
VALUE - Concentration exceeds the applicable MECP Table 3 Site Condition Standards

Legend

- Monitoring Well Screen
- Groundwater Table
- Asphalt/Concrete
- Styrofoam
- Fill Material
- Clay
- Silty Clay

Concentration meets the Site Condition Standards for all parameters tested

Horizontal Exaggeration = 10x

Title: **HYDROGEOLOGICAL CROSS SECTION A-A'**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT 2000 & 3000 INNOVATION DRIVE KANATA, ON**

Date: **FEBRUARY 2026**

Client: **CISCO SYSTEMS (CANADA) CO.**

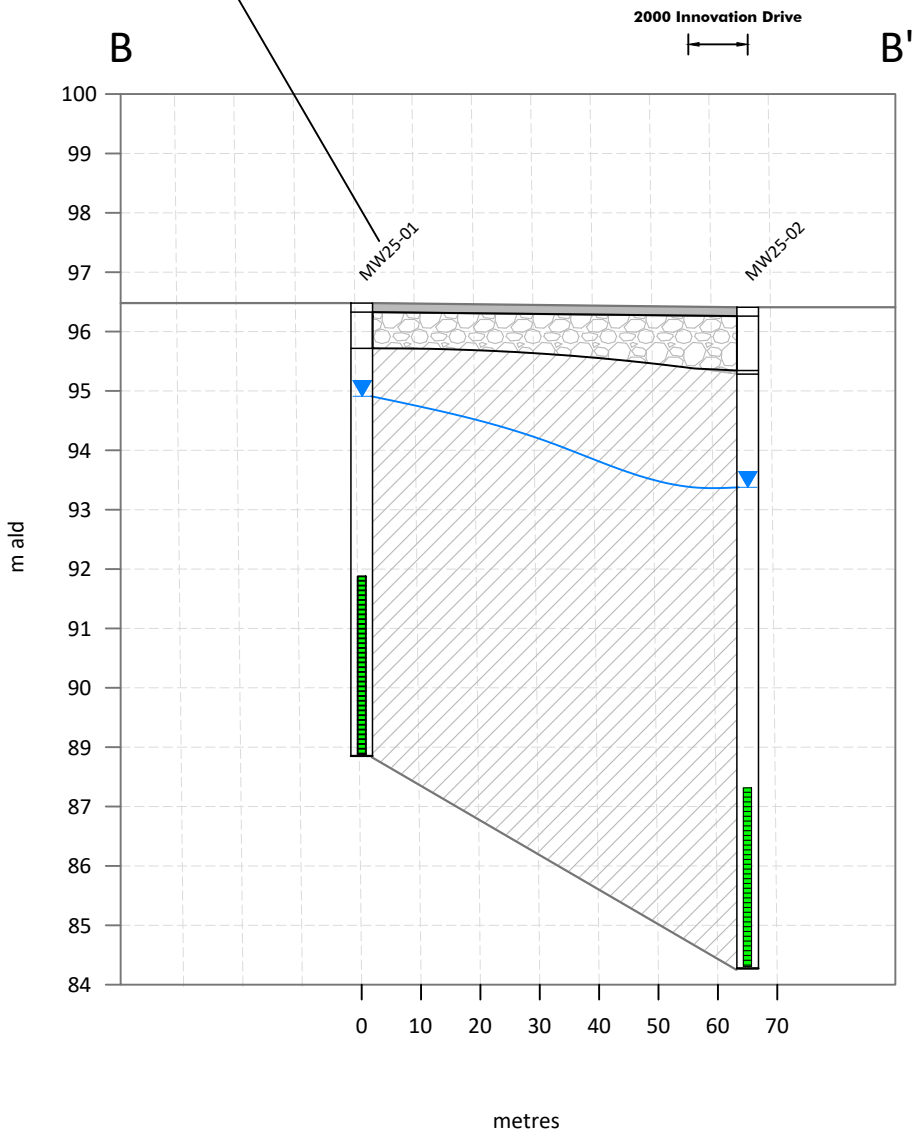
FIGURE 7.1

TO BE PRINTED IN COLOUR ON 8.5"X11" PAPER ONLY - DO NOT SCALE

updated on:21-Apr-26 by dlogan

C:\Users\dlogan\OneDrive - ARCADIS\Documents\@WFH\30270525 CISCO PH I ESA\30298433 CISCO PH I ESA\PHASE II\30298433 X-SECTIONS.dwg

MW25-01 (4.6-7.6)	JAN 09 2026	MAR 20 2026	APRIL 09 2026
F2	340	<90	<90



Legend

- Monitoring Well Screen
- Groundwater Table
- Asphalt/Concrete
- Styrofoam
- Fill Material
- Clay
- Silty Clay

Concentration meets the Site Condition Standards for all parameters tested

Horizontal Exaggeration = 10x

NOTES:
All concentrations are in µg/L
µg/L: micrograms per litre
m bgs: metres below ground surface
m ald: metres above local datum
MECP: Ministry of the Environment, Conservation and Parks
PHCs : Petroleum Hydrocarbons

VALUE - Concentration statisfies the applicable MECP Table 3 Site Condition Standards
VALUE - Concentration exceeds the applicable MECP Table 3 Site Condition Standards

Title: **HYDROGEOLOGICAL CROSS SECTION B-B'**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT 2000 & 3000 INNOVATION DRIVE KANATA, ON**

Date: **FEBRUARY 2026**

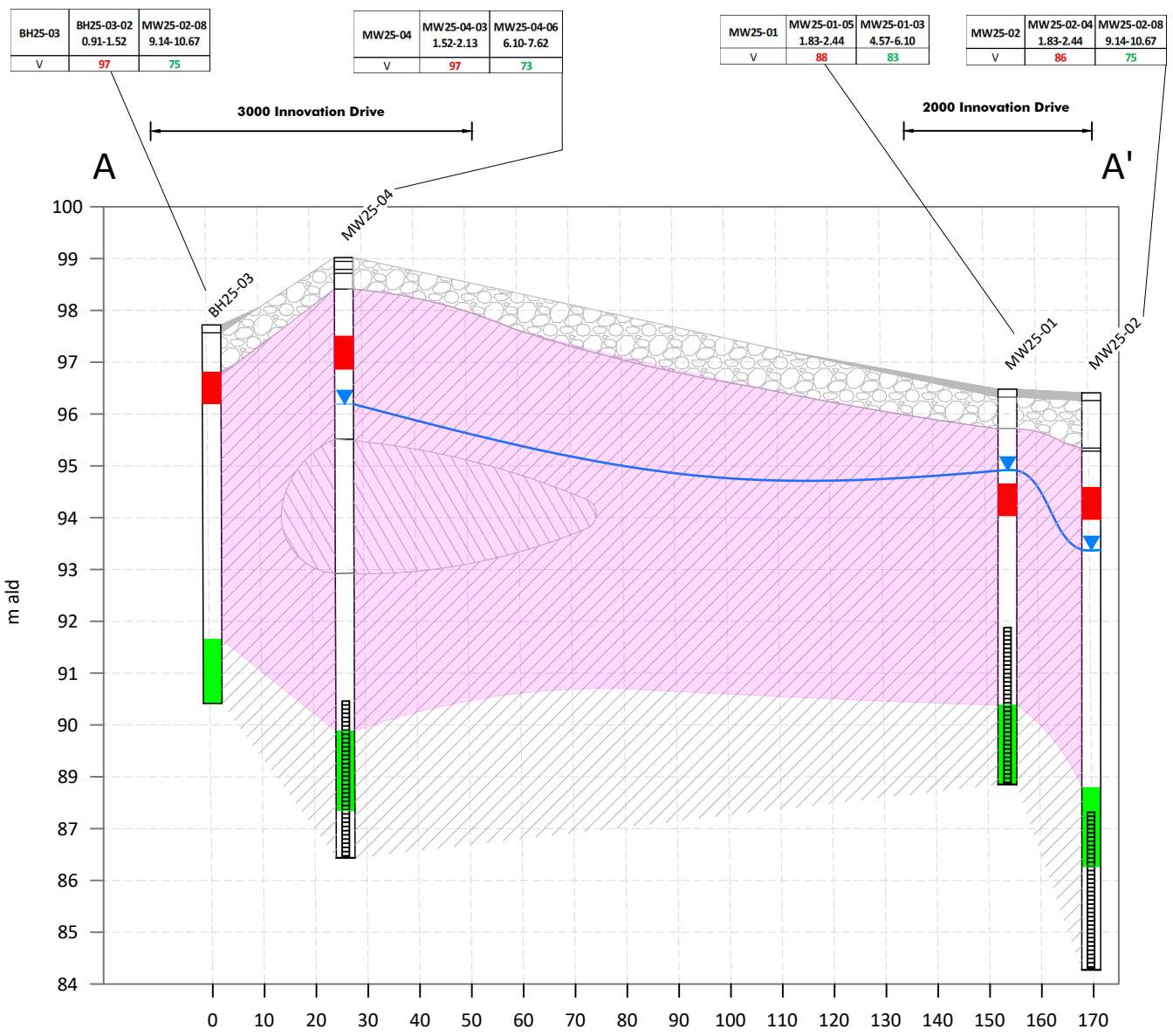
Client: **CISCO SYSTEMS (CANADA) CO.**

FIGURE 7.2

TO BE PRINTED IN COLOUR ON 8.5"X11" PAPER ONLY - DO NOT SCALE

updated on:21-Apr-26 by dlogan

C:\Users\dlogan\OneDrive - ARCADIS\Documents\@WFH\30270525 CISCO PH I ESA\30298433 CISCO PH I ESA\PHASE II\30298433 X-SECTIONS.dwg



NOTES:
All concentrations are in µg/g
µg/g: micrograms per gram
m bgs: metres below ground surface
m ald: metres above local datum
MECP: Ministry of the Environment, Conservation and Parks
V: Vanadium
VALUE - Concentration statisfies the applicable MECP Table 3 Site Condition Standards
VALUE - Concentration exceeds the applicable MECP Table 3 Site Condition Standards

Site Condition Standards

Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils (MECP, 2011).

Legend

- Monitoring Well Screen
- Asphalt/Concrete
- Fill Material
- Clay
- Concentration exceeds Table 3 Site Condition Standards for Vanadium
- Concentrations meets Table 3 Site Condition Standards for Vanadium
- Estimated extent of Vanadium Impacts in Soil

Horizontal Exaggeration = 10x

Title: **GEOLOGICAL CROSS SECTION A-A'**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT 2000 & 3000 INNOVATION DRIVE KANATA, ON**

Date: **FEBRUARY 2026**

Client: **CISCO SYSTEMS (CANADA) CO.**

FIGURE 7.3

TO BE PRINTED IN COLOUR ON 8.5"X11" PAPER ONLY - DO NOT SCALE

updated on:2-Mar-26 by dlogan

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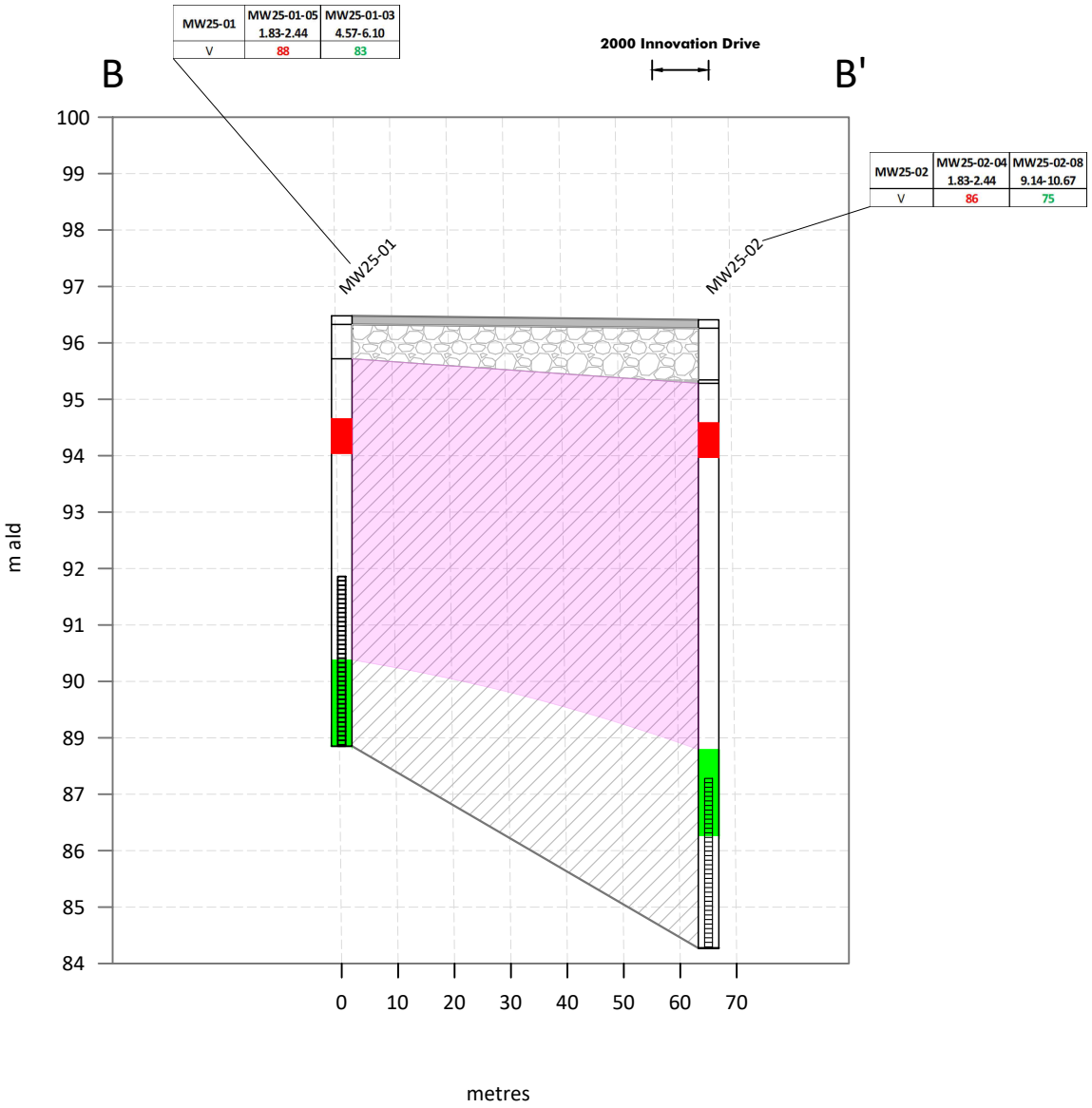

Legend

- Monitoring Well Screen
- Asphalt/Concrete
- Fill Material
- Clay
- Concentration exceeds Table 3 Site Condition Standards for Vanadium
- Concentrations meets Table 3 Site Condition Standards for Vanadium
- Estimated extent of Vanadium Impacts in Soil

Horizontal Exaggeration = 10x

NOTES:
All concentrations are in µg/L
µg/L: micrograms per litre
m bgs: metres below ground surface
m ald: metres above local datum
MECP: Ministry of the Environment, Conservation and Parks
V: Vanadium

VALUE - Concentration statisfies the applicable MECP Table 3 Site Condition Standards
VALUE - Concentration exceeds the applicable MECP Table 3 Site Condition Standards

Site Condition Standards

Ontario MECP Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act, April 15, 2011; Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, Industrial/Commercial Property Use, Medium and Fine Textured Soils (MECP, 2011).

Title: **GEOLOGICAL CROSS SECTION B-B'**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT 2000 & 3000 INNOVATION DRIVE KANATA, ON**

Date: **FEBRUARY 2026**

Client: **CISCO SYSTEMS (CANADA) CO.**

FIGURE 7.4

TO BE PRINTED IN COLOUR ON 8.5"X11" PAPER ONLY - DO NOT SCALE

updated on:2-Mar-26 by dlogan

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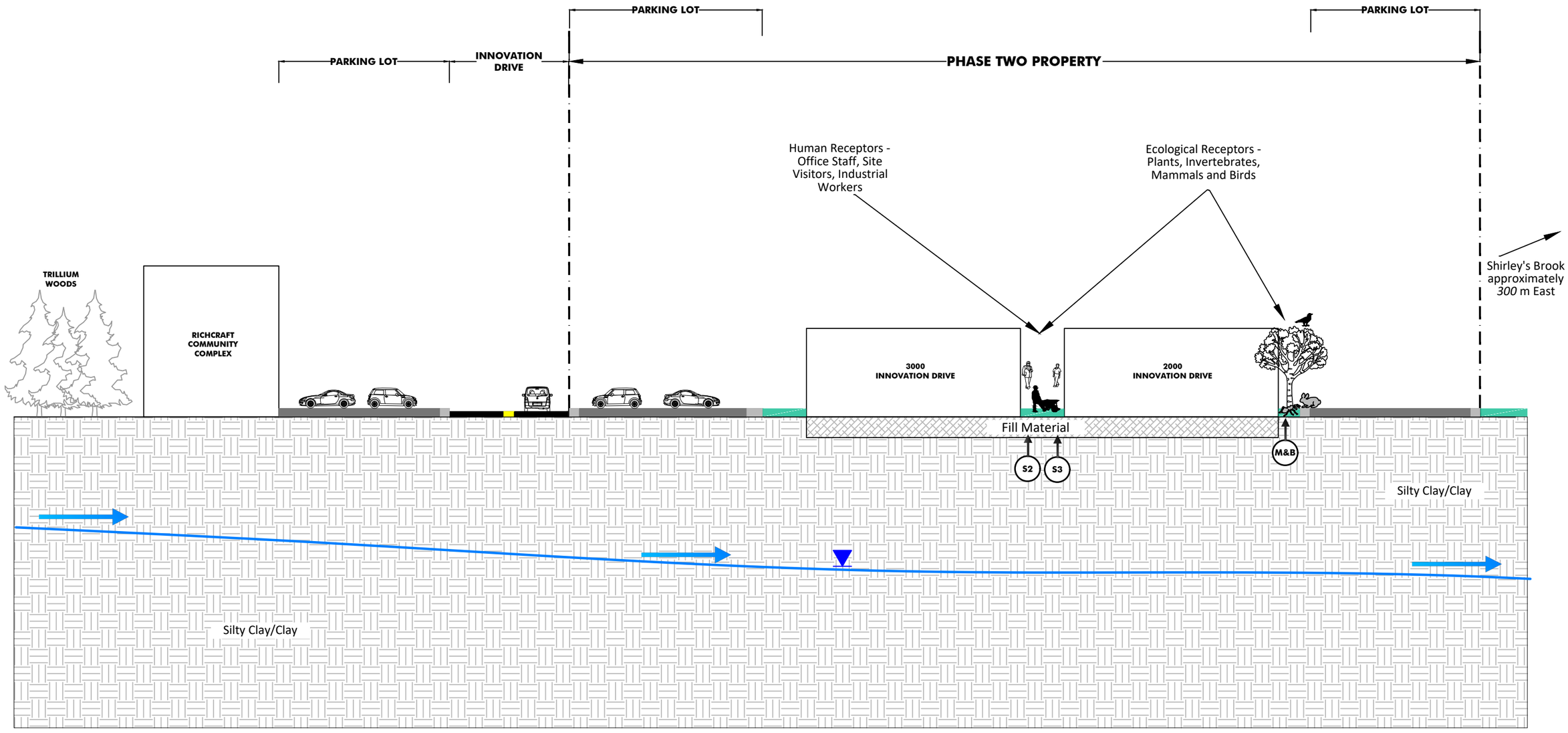

LEGEND

- GROUNDWATER TABLE
- GROUNDWATER FLOW DIRECTION
- S2 DIRECT SOIL CONTACT FOR SURFACE SOIL
- S3 DIRECT SOIL CONTACT FOR SUBSURFACE SOIL
- M&B MAMMALS & BIRDS

Title: **PHASE TWO CONCEPTUAL SITE MODEL**

ARCADIS

Project: **PHASE II ENVIRONMENTAL SITE ASSESSMENT 2000 & 3000 INNOVATION DRIVE KANATA, ON**

Date: **FEBRUARY 2026**

Client: **CISCO SYSTEMS (CANADA) CO.**

DRAWING FOR CONCEPTUAL DESIGN ONLY

FIGURE 8

last saved 21-Apr-26 by dlogan

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Appendix A

Plan of Survey

TOPOGRAPHIC PLAN OF SURVEY OF

BLOCK 3 and PART OF BLOCK 11 REGISTERED PLAN 4M-1075 PART OF BLOCK 5 REGISTERED PLAN 4M-1104 CITY OF OTTAWA

Surveyed by Annis, O'Sullivan, Vollebekk Ltd.

Scale 1 : 400

0 5 10 15 20 25 30 35 40 Metres

Metric

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

Surveyor's Certificate

I CERTIFY THAT:

1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the regulations made under them.
2. The survey was completed on the 24th day of July, 2025.

June 24, 2025
Date

T. Harbeck
Ontario Land Surveyor

Notes & Legend

Denotes

⊙—○	-	Survey Monument Planted
⊙—●	-	Survey Monument Found
SIB	-	Standard Iron Bar
SSIB	-	Short Standard Iron Bar
IB	-	Iron Bar
CC	-	Cut Cross
CP	-	Concrete Pin
(WIT)	-	Witness
Meas.	-	Measured
(ADG)	-	Annis, O'Sullivan, Vollebekk Ltd.
(P1)	-	Registered Plan 4M-1104
(P2)	-	Registered Plan 4M-1075
(P3)	-	Plan 4R-21581
MH-H	-	Maintenance Hole (Hydro)
MH-C	-	Maintenance Communication
MH	-	Maintenance Hole (Unidentified)
VC	-	Valve Chamber (Watermain)
OHW	-	Overhead Wires
UP	-	Utility Pole
AN	-	Anchor
LS	-	Light Standard
CBI	-	Catch Basin Inlet
CB	-	Catch Basin
CSP	-	Corrugated Steel Pipe
FH	-	Fire Hydrant
WV	-	Water Valve
ICV	-	Irrigation Control Valve
T/P	-	Top of Pipe
T/G	-	Top of Grate
HH	-	Handhole
TB	-	Unidentified Terminal Box
TB-C	-	Cable Terminal Box
S	-	Sign
SRW	-	Stone Retaining Wall
CRW	-	Concrete Retaining Wall
Ø	-	Diameter
69.45	-	Location of Elevations
TW 69.00	-	Top of Retaining Wall/ Concrete Curb Elevation
C/L	-	Centreline
	-	Deciduous Tree 0.1Ø unless otherwise noted
	-	Coniferous Tree 0.1Ø unless otherwise noted
B	-	Bollard
Fdn.	-	Foundation

Bearings are grid, derived from Can-Net 2016 Real Time Network GPS observations and are referenced to Specified Control Points 0191968037 and 0191979101, MTM Zone 9 (79°30' West Longitude) NAD-83 (original).

For bearing comparisons, a rotation of 0°23'20" counter-clockwise was applied to bearings on plans P1, P2, P3.

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
V-110869

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR
Ontario Regulation 1026, Section 29 (3)

SITE AREA = 7.8358 Hectares

ELEVATION NOTES

1. Elevations shown are geodetic, derived from Vertical Control Monument 2019-0170 having an elevation of 77.964 metres and are referred to the CGVD28 geodetic datum.
2. It is the responsibility of the user of this information to verify that the job benchmark has not been altered or disturbed and that it's relative elevation and description agrees with the information shown on this drawing.

UTILITY NOTES

1. This drawing cannot be accepted as acknowledging all of the utilities and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
2. Only visible surface utilities were located.
3. A field location of underground plant by the pertinent utility authority is mandatory before any work involving breaking ground, probing, excavating etc.

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Job No. 25OCB-05 Combo_Innovation_BLT_01 | 1 |

SURVEY REPORT

Re: 2000 and 3000 Innovation Drive
Block 3 and Part of Block 11
Registered Plan 4M-1075
And
Part of Block 5
Registered Plan 4M-1104
City of Ottawa
Being all of PINs 04518-0077, 04518-0103, 04518-0104, 04518-0105 and 04518-0109

1. Registered Rights-of-Way / Easements

The property is subject to several easements per our Land Titles Office search.

PIN 04518-0077
Though not shown in the property description (thumbnail) of the Parcel Register Abstract, the body of the abstract show the following easements being registered on the subject PIN:

Part 39 on Plan 4R-21581 is subject to an easement as described in Instrument OC677520 in favour of 2113007 Ontario Inc.

Part 39 on Plan 4R-21581 is subject to an easement as described in Instrument OC677521 in favour of 2118777 Ontario Inc.

PIN 04518-0103
Part 8 on Plan 4R-21581 is subject to an easement as described in Instrument OC677518 in favour of 2113007 Ontario Inc.

Parts 8 and 9 on Plan 4R-21581 are subject to an easement as described in Instrument OC815676 in favour of Hydro Ottawa Limited.

PIN 04518-0104
Parts 11 and 12 on Plan 4R-21581 is subject to an easement as described in Instrument OC677520 in favour of 2113007 Ontario Inc.

Parts 11 and 12 on Plan 4R-21581 is subject to an easement as described in Instrument OC677521 in favour of 2118777 Ontario Inc.

PIN 04518-0105
No rights-of-way or easements were found registered against the subject property.

PIN 04518-0109
Parts 20, 21, 31 & 32 on Plan 4R-21581 are subject to an easement as described in Instrument MH3289 in favour of the Hydro-Electric Power Commission of Ontario.

Parts 21, 22, 32 and 33 on Plan 4R-21581 are subject to an easement as described in Instrument MH3515 favour of the Hydro-Electric Power Commission of Ontario.

Parts 22 and 33 on Plan 4R-21581 are subject to an easement as described in Instrument LT599592 in favour of the Kanata Hydro-Electric Commission.

Parts 20, 21, 22, 23, 24, 25, 26, and 28 on Plan 4R-21581 are subject to an easement as described in Instrument OC677518 in favour of 2113007 Ontario Inc.

Parts 29 and 30 on Plan 4R-21581 are subject to an easement as described in Instrument OC677519 in favour of 2113007 Ontario Inc.

Parts 35 and 37 on Plan 4R-21581 are subject to an easement as described in Instrument OC677520 in favour of 2113007 Ontario Inc

Parts 35 and 37 on Plan 4R-21581 are subject to an easement as described in Instrument OC677521 in favour of 2118777 Ontario Inc.

Parts 24, 25, 27, 28, 29, and 30 on Plan 4R-21581 are subject to an easement as described in Instrument OC815676 in favour of Hydro Ottawa Limited

Notwithstanding the above there is a utility pole near the south west corner of the subject lands. Overhead utility service wires cross the northerly portion of the subject lands to service the adjacent dwellings.

2. Property Improvements

The Property comprises of 5 separate parcels of land and houses a complex of 2 large commercial buildings, a couple of smaller buildings a sports field and intricate landscaping. All buildings are clear of the perimeter property lines. Landscaping, natural features and interconnecting pathways cross the perimeter property lines. See plan for details.

3. Compliance with Municipal Zoning Bylaws

Compliance is not certified by this report.

4. Additional Remarks

A survey monument was set at the northwest corner of the property. A second survey monument was set along the northwesterly boundary. All other survey monuments demarcating the perimeter of the lands were found.

The property is accessed from Innovation Drive via 3 asphalt entrances.

The site area is 78,358 square metres (7.8358 hectares).

This report is a supplement to the accompanying survey plan. Please refer to this plan for disclosure of the location of improvements and boundary information.

OTTAWA, Ontario
Date: July 24, 2025
Our Reference: 26106-25

Travis Hartwick
Ontario Land Surveyor

Appendix B

Sampling and Analysis Plan

SAMPLING AND ANALYSIS PLAN FOR PHASE II ENVIRONMENTAL SITE ASSESSMENT AT 2000 AND 3000 INNOVATION DRIVE, KANATA, OTTAWA, ON

The objective of this appendix is to present the sampling and analysis plan that was implemented during the Phase II Environmental Site Assessment (ESA) at 2000 and 3000 Innovation Drive, Kanata, Ottawa, ON (Phase II Property). The objectives of the Phase II ESA were to identify whether soil and/or groundwater may be impacted as a result of Areas of Potential Environmental Concern (APECs) that were identified in a Phase I ESA completed by Arcadis in November 2025, and to provide areal and vertical coverage of the investigation of the Phase II Property. The Phase II ESA sampling and analysis plan was designed to meet the objectives of the Phase II ESA investigation by sampling media likely to be impacted (soils and groundwater) at the locations most likely to be impacted. As such, all sample locations, including those that were added for delineation requirements, are summarized in the table below.

Borehole Locations	# of Soil Samples Submitted	# of Groundwater Samples Submitted	Parameters Analysed in Soil	Parameters Analysed in Groundwater	APECs Investigated
MW25-01	2	1	PHCs (Fractions F1 to F4), SVOCs/PAHs, PCBs, VOCs, Metals and inorganics, Glycols, Phenolic Compounds, HWS-B, Grain-size	PHCs (Fractions F1 to F4), SVOCs/PAHs, VOCs, Metals and inorganics, Glycols, Phenolic Compounds	APECs 1, 12, 13, 15
MW25-02	2	1		PHCs (Fractions F1 to F4), SVOCs/PAHs, PCBs, VOCs, Metals and inorganics, Glycols, Phenolic Compounds	APECs 1, 2, 4, 6, 10, 12, 13, 15
BH25-03	2	1			APECs 1, 3, 5, 7, 8, 11, 12, 13, 15
MW25-04	2	1			APECs 1, 3, 5, 9, 11, 12, 13, 14, 15

PHCs: petroleum hydrocarbons
SVOCs: semi-volatile organic compounds
PAHs: polycyclic aromatic hydrocarbons
PCBs: polychlorinated biphenyls
VOCs: volatile organic compounds
HWS-B: hot water-soluble boron
APECs: areas of potential concern

The components of the sampling and analysis plan are as follows:

1) review of the Phase One Conceptual Site Model to determine media, sample depths and sample locations;

2) development of a quality assurance and quality control plan; and

3) selection of appropriate sampling media and sampling methods. Each of these items are discussed further below:

Phase One Conceptual Site Model

As per Ontario Regulation (O.Reg.) 153/04 as amended, the Phase One Conceptual Site Model was used for determining the media for investigation; locations and depths for sampling; and parameters for laboratory analysis. The following items of significance were identified from the Phase One Conceptual Site Model:

- The Phase One Conceptual Site Model identified soil and groundwater as potentially impacted media on the Phase Two property and therefore the Phase Two ESA proposed sampling of soils and groundwater.
- The Phase One Conceptual Site Model identified numerous potentially contaminating activities (PCAs) within the Phase One Study Area. Boreholes/monitoring wells were installed across the Phase Two property to provide sufficient coverage of identified APECs.
- The Phase One Conceptual Site Model identified BTEX/PHCs (Fractions F1-F4), SVOCs/PAHs, PCBs, VOCs, metals and inorganics, glycols, and phenolic compounds as potential contaminants of concern at the Phase Two Property. All these parameters were analyzed in soil and groundwater.

Quality Assurance and Quality Control (QA/QC) Plan

The QA/QC plan will include the following:

- All non-dedicated sampling and monitoring equipment will be cleaned using distilled water and alconox, and dried with a clean paper towel;
- Soil samples for VOC and PHC F1 analysis will be collected using a clean laboratory supplied plastic plunger and placed into a pre weighed methanol vial;
- Field QA/QC samples will include field duplicate samples collected at a frequency of 1 in 10 analysed samples;
- Field equipment to be used during sampling that requires calibration includes: an RKI Eagle 2 combustible gas meter (CGM), a photoionization detector (PID), and a YSI multiparameter water quality probe. These instruments are to be calibrated daily, on the morning prior to use.

Additional QA/QC practices as well as standard Arcadis practices will be followed during the field investigation and include using a new pair of disposable nitrile gloves to collect each soil and groundwater sample, collecting each soil and groundwater sample in laboratory supplied glass jars, storing samples in a cooler on ice to maintain a temperature below 10 degrees prior to delivery to the laboratory and submitting samples to the laboratory using chain of custody procedures.

Field investigation methods will be conducted in accordance with Arcadis standard operating procedures. Standard operating procedures specific to the work being undertaken at the Phase Two Property include those for:

- Borehole Drilling;
- Soil sampling;
- Field screening measurements, including calibration procedures;
- Monitoring well installation;
- Monitoring well development;
- Field measurement of water quality indicators, including calibration procedures; and

- Groundwater sampling.

Rationale for Selection of Sampling Procedures

The rationale for the selection of the sampling media, techniques, sample locations and frequency is presented as follows.

A) Choice of sampling system: Soil samples will be collected via either plastic sampling sleeves (direct push), or split spoons (conventional drilling); these methods were selected as they provide accurate logging of soils as well as discrete and representative soil samples. Groundwater samples will be collected using a low flow technique involving the monitoring of water quality parameters at regular intervals until stabilization is achieved. This technique was selected as it minimizes the amount of sediment present in the samples and reduces exposure to the air thus minimizing loss of volatiles.

B) Sampling media: Soil and groundwater were selected as media to be sampled. Impacts to soils on the Phase Two Property may be present as a result of current or former on-site operations. Impacts to groundwater on-site may also exist due to potential on-site sources as well as migration from off-site sources. Therefore, soils and groundwater will need to be sampled to investigate the potential for impacts on the Phase Two Property.

C) The number of samples: A minimum of one (1) soil sample will be submitted for analysis from each borehole. One (1) groundwater sample will be submitted for analysis from each monitoring well. For locations where soil impacts are evident in the field, additional samples will be collected for potential vertical delineation.

D) Sampling frequency: Soil samples will be collected continuously from each borehole. Each soil sample will be screened for visual/olfactory evidence of impacts and for soil vapour screening with an RKI Eagle 2.

E) Sampling depth intervals and screened intervals of the monitoring wells: Soil samples will be submitted based on visual impacts and/or the soil vapour screening results and will include worst case samples based on visual/olfactory observations and/or field vapour screening. If contamination is suspected at depth, then a deeper sample with no indication of contamination will be submitted to attempt to vertically delineate impacts. Monitoring well screens will be positioned to intersect the water table. This will be done to capture any free phase light non-aqueous phase liquid (LNAPL) as well as to obtain worst case samples dissolved phase contaminants that are less dense than water (i.e. benzene, toluene, ethylbenzene, xylenes (BTEX), PHCs).

F) Other field information: Monitoring well elevations will be surveyed relative to a local datum. The elevation survey will be completed by Arcadis personnel. Survey points will include the top of casing and the ground elevation at each monitoring well. Depth to groundwater will be measured from top of casing with an interface probe to establish depth to groundwater and presence of any free phase LNAPL.

G) Samples submitted for laboratory analysis: Soil samples will be submitted based on visual impacts and/or the soil vapour screening results and will include the worst-case samples based on visual/olfactory observations and/or field vapour screening. If contamination is suspected at depth, then a deeper sample with no apparent indicators of contamination will be submitted to attempt to vertically delineate impacts. One groundwater sample will be submitted from each monitoring well. Soil and groundwater samples will be analyzed for potential contaminants of concern which include: PHCs, SVOCs/PAHs, PCBs, VOCs, metals and inorganics, glycols, phenolic compounds, hot water extractable boron, cyanide, phenolic compounds (4AAP), and pH.

Appendix C

Borehole Logs

BOREHOLE/MONITORING WELL ID: MW25-01

PROJECT NUMBER 30298433 **CLIENT** Cisco Systems (Canada) Co.

PROJECT NAME Phase II Environmental Site Assessment **PROJECT LOCATION** 2000 and 3000 Innovation Drive, Ottawa, Ontario

PROJECTION UTM Zone 18, NAD 83 **GROUND ELEVATION** 96.48 m ald **TOR ELEVATION** 96.39 m ald

NORTHING 5021440.86 **EASTING** 427385.61 **GROUND WATER LEVEL** 1.56 m bgs (08-Jan-2026)

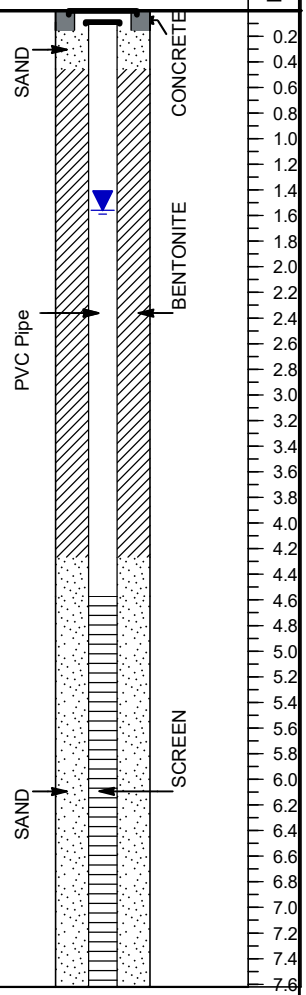
HOLE DIAMETER 10.16 cm (4") **WELL DIAMETER** 5.08 cm (2 ") **GROUND WATER ELEVATION** 94.92 m ald (08-Jan-2026)

DEPTH (m)	GRAPHIC LOG	SUBSURFACE PROFILE	ELEVATION (m ald) / DEPTH (m bgs)	SAMPLE ID	SAMPLE TYPE	RECOVERY %	Combustible Gas Meter Reading	Photoionization Detector Reading	LAB ANALYSIS
0.2		**ASPHALT**	96.33 / 0.15						
0.4		**SANDY GRAVEL FILL**, and portland cement (U-fill), moist, no staining, no odour							
0.6			95.72 / 0.76						
0.8		**CLAY**, grey, stiff, moist, blocky, no staining, no odour		MW25-01-01	G	100	0 ppmv	1 ppmv	
1.0									
1.2									
1.4				MW25-01-02	G	100	0 ppmv	2 ppmv	PHC, VOC, PCB, M&I, Glycols, Phenols, SVOC
1.6									
1.8			94.65 / 1.83						
2.0		Soft, wet		MW25-01-03	G	100	0 ppmv	1 ppmv	
2.2									
2.4									
2.6									
2.8									
3.0									
3.2			93.13 / 3.35						
3.4		Dark grey							
3.6									
3.8				MW25-01-04		100	0 ppmv	0 ppmv	
4.0									
4.2									
4.4									
4.6									
4.8									
5.0				MW25-01-05		100	0 ppmv	0 ppmv	
5.2									
5.4									
5.6									
5.8									
6.0									
6.2									
6.4									
6.6				MW25-01-06		100	0 ppmv	0 ppmv	PHC, VOC, PCB, M&I, Glycols, Phenols, SVOC
6.8									
7.0									
7.2									
7.4									
7.6			88.86 / 7.62						

End of Borehole at 7.62 m bgs

WELL DIAGRAM

Casing Type: Flush Mount
Ground Level to TOR: -0.09



DRILLING DRILLED BY Badger Daylighting Limited & Strata Drilling Group **LOGGED BY** Justin Cameron

DRILLING DRILL METHOD Hydro Vac & Direct Push **CHECKED BY** Alanna Marotta

DRILL DATE(S) 16-Dec-2025 to 17-Dec-2025

Note: Any decisions/actions made by a third party based on this log are the sole responsibility of the third party. Arcadis Canada Inc. accepts no liability for third party decisions/actions made based on this log.

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MW TEMPLATE 2 - CGM/PID CISCO BH LOGS.GPJ ARCADIS CANADA_DATA TEMPLATE.GDT 2026/01/28

BOREHOLE/MONITORING WELL ID: MW25-02

PROJECT NUMBER 30298433 **CLIENT** Cisco Systems (Canada) Co.

PROJECT NAME Phase II Environmental Site Assessment **PROJECT LOCATION** 2000 and 3000 Innovation Drive, Ottawa, Ontario

PROJECTION UTM Zone 18, NAD 83 **GROUND ELEVATION** 96.41 m ald **TOR ELEVATION** 96.33 m ald

NORTHING 5021409.95 **EASTING** 427436.52 **GROUND WATER LEVEL** ▼ 3.03 m bgs (09-Jan-2026)

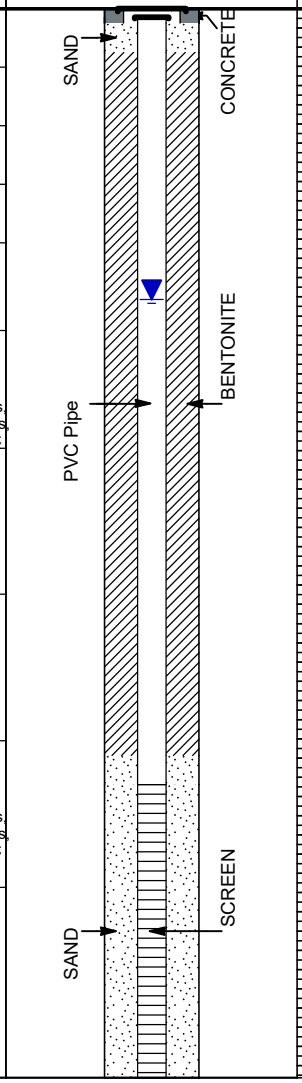
HOLE DIAMETER 10.16 cm (4") **WELL DIAMETER** 5.08 cm (2 ") **GROUND WATER ELEVATION** ▼ 93.38 m ald (09-Jan-2026)

DEPTH (m)	GRAPHIC LOG	SUBSURFACE PROFILE	ELEVATION (m ald) / DEPTH (m bgs)	SAMPLE ID	SAMPLE TYPE	RECOVERY %	Combustible Gas Meter Reading	Photoionization Detector Reading	LAB ANALYSIS
0.0			96.261 / 0.15						
0.2		**CONCRETE**							
0.4		**SANDY GRAVEL FILL**, and portland cement (U-fill), moist, no staining, no odour							
0.6									
0.8									
1.0			95.341 / 1.07	MW25-02-02	G	100	0 ppmv	0 ppmv	
1.2		**STYROFOAM INSULATION**, blue, no staining, no odour	95.281 / 1.13						
1.4		**CLAY**, grey, stiff, moist, blocky, no staining, no odour		MW25-02-03	G	100	0 ppmv	1 ppmv	
1.6									
1.8			94.581 / 1.83						
2.0		Soft, wet		MW25-02-04	G	100	0 ppmv	1 ppmv	
2.2									
2.4									
2.6									
2.8									
3.0									
3.2			93.061 / 3.35						
3.4		Light grey, very soft		MW25-02-05		100	0 ppmv	0 ppmv	PHC, VOC, PCB, M&I, Glycols, Phenols, SVOC
3.6									
3.8									
4.0									
4.2									
4.4			91.841 / 4.57						
4.6		Soft							
4.8									
5.0									
5.2									
5.4									
5.6									
5.8									
6.0				MW25-02-06		100	0 ppmv	0 ppmv	
6.2									
6.4									
6.6									
6.8									
7.0									
7.2									
7.4									
7.6									
7.8									
8.0									
8.2									
8.4				MW25-02-07		100	0 ppmv	0 ppmv	PHC, VOC, PCB, M&I, Glycols, Phenols, SVOC
8.6									
8.8									
9.0									
9.2									
9.4									
9.6									
9.8									
10.0									
10.2									
10.4									
10.6									
10.8									
11.0			85.281 / 11.13						

Refusal at 11.13 m bgs due to inferred bedrock.

WELL DIAGRAM

Casing Type: Flush Mount
Ground Level to TOR: -0.08



DRILLING DRILLED BY Badger Daylighting Limited & Strata Drilling Group **LOGGED BY** Justin Cameron

DRILLING DRILL METHOD Hydro Vac & Direct Push **CHECKED BY** Alanna Marotta

DRILL DATE(S) 16-Dec-2025 to 17-Dec-2025

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MW TEMPLATE 2 - CGM/PID CISCO BH LOGS.GPJ ARCADIS CANADA DATA TEMPLATE.GDT 2026/01/28

BOREHOLE ID: BH25-03

PROJECT NUMBER 30298433 **CLIENT** Cisco Systems (Canada) Co.

PROJECT NAME Phase II Environmental Site Assessment **PROJECT LOCATION** 2000 and 3000 Innovation Drive, Ottawa, Ontario

GROUND ELEVATION Not Surveyed **PROJECTION** UTM Zone 18, NAD 83

HOLE DIAMETER 10.16 cm (4") **NORTHING** 5021340.15 **EASTING** 427269.26

DEPTH (m)	GRAPHIC LOG	SUBSURFACE PROFILE	ELEVATION (m) DEPTH (m bgs)	SAMPLE ID	SAMPLE TYPE	RECOVERY %	Combustible Gas Meter Reading	Photoionization Detector Reading	LAB ANALYSIS	DEPTH (m)
0.2		**CONCRETE**	0.15							0.2
0.4		**SANDY GRAVEL FILL**, and portland cement (U-fill), moist, no staining, no odour		BH25-03-01	G	100	0 ppmv	0 ppmv		0.4
0.6										0.6
0.8										0.8
1.0		**STYROFOAM INSULATION**, pink, no staining, no odour	0.91							1.0
1.2		**CLAY**, grey, stiff, moist, blocky, no staining, no odour	0.98	BH25-03-02	G	100	0 ppmv	0 ppmv		1.2
1.4										1.4
1.6		Soft, wet	1.52	BH25-03-03	G	100	0 ppmv	0 ppmv	PHC, VOC, PCB, M&I, Glycols Phenols SVOC	1.6
1.8										1.8
2.0										2.0
2.2										2.2
2.4										2.4
2.6										2.6
2.8										2.8
3.0										3.0
3.2										3.2
3.4		Very soft	3.35	BH25-03-04		100	0 ppmv	0 ppmv		3.4
3.6										3.6
3.8										3.8
4.0										4.0
4.2										4.2
4.4										4.4
4.6										4.6
4.8										4.8
5.0										5.0
5.2		Dark grey, soft	5.18	BH25-03-05		100	0 ppmv	0 ppmv		5.2
5.4										5.4
5.6										5.6
5.8										5.8
6.0										6.0
6.2		Grey, very soft	6.10	BH25-03-06		100	0 ppmv	0 ppmv	PHC, VOC, PCB, M&I, Glycols Phenols SVOC	6.2
6.4										6.4
6.6										6.6
6.8										6.8
7.0										7.0
7.2										7.2
		Refusal at 7.32 m bgs due to inferred bedrock.	7.32							

DRILLING DRILLED BY Badger Daylighting Limited & Strata Drilling Group **LOGGED BY** Justin Cameron

DRILLING DRILL METHOD Hydro Vac & Direct Push **CHECKED BY** Alanna Marotta

DRILL DATE(S) 16-Dec-2025 to 18-Dec-2025

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BH TEMPLATE 2 - CGM/PID CISCO BH LOGS.GPJ ARCADIS CANADA_DATA TEMPLATE.GDT 2026/01/28

BOREHOLE/MONITORING WELL ID: MW25-04

PROJECT NUMBER 30298433 **CLIENT** Cisco Systems (Canada) Co.

PROJECT NAME Phase II Environmental Site Assessment **PROJECT LOCATION** 2000 and 3000 Innovation Drive, Ottawa, Ontario

PROJECTION UTM Zone 18, NAD 83 **GROUND ELEVATION** 99.02 m ald **TOR ELEVATION** 98.89 m ald

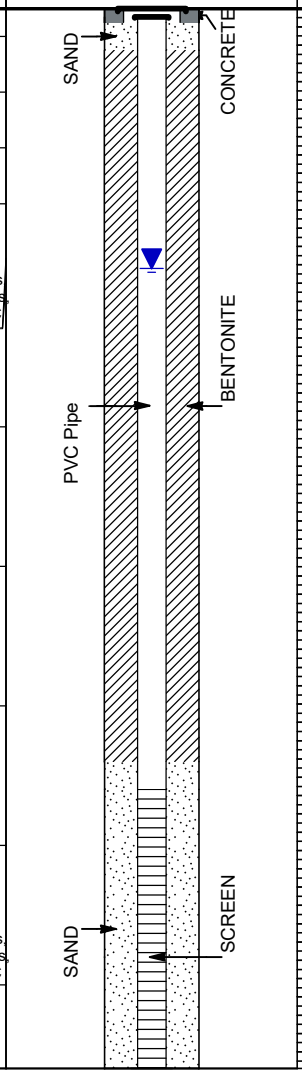
NORTHING 5021359.62 **EASTING** 427286.59 **GROUND WATER LEVEL** 2.84 m bgs (08-Jan-2026)

HOLE DIAMETER 10.16 cm (4") **WELL DIAMETER** 5.08 cm (2 ") **GROUND WATER ELEVATION** 96.17 m ald (08-Jan-2026)

DEPTH (m)	GRAPHIC LOG	SUBSURFACE PROFILE	ELEVATION (m ald) / DEPTH (m bgs)	SAMPLE ID	SAMPLE TYPE	RECOVERY %	Combustible Gas Meter Reading	Photoionization Detector Reading	LAB ANALYSIS
0.0			98.935 / 0.08						
0.2–0.4		**GRAVEL FILL**, some sand, loose, dry, no staining, no odour, geotextile layer at bottom	98.785 / 0.23						
0.6–1.0		**SAND FILL**, some gravel, brown, medium to coarse grained, moist, no staining, no odour	98.715 / 0.30						
1.2–1.4		**STYROFOAM INSULATION**, pink, no staining, no odour	98.405 / 0.61						
1.6–2.0		**COBBLES**, some sand, brownish grey, coarse grained, moist, no staining, no odour		MW25-04-01	G	100	0 ppmv	2 ppmv	
2.2–3.4		**CLAY**, some gravel, grey, no staining, no odour		MW25-04-02	G	100	0 ppmv	3 ppmv	
				MW25-04-03	G	100	0 ppmv	0 ppmv	
				MW25-04-04	G	100	0 ppmv	4 ppmv	PHC, VOC, PCB, M&I, Glycols, Phenols, SVOC
3.6–6.0		**SILTY CLAY**, brownish grey, medium to coarse grained, stiff, moist to wet, no staining, no odour	95.505 / 3.51	MW25-04-05		100	0 ppmv	0 ppmv	
6.2–9.2		**CLAY**, grey, soft, moist, no staining, no odour	92.915 / 6.10	MW25-04-06		100	0 ppmv	0 ppmv	
9.4–11.4				MW25-04-07		100	0 ppmv	0 ppmv	PHC, VOC, PCB, GS, M&I, Glycols, Phenols, SVOC
		Refusal at 11.58 m bgs due to inferred bedrock.	87.435 / 11.58						

WELL DIAGRAM

Casing Type: Flush Mount
Ground Level to TOR: -0.12



DRILLING DRILLED BY Badger Daylighting Limited & Strata Drilling Group **LOGGED BY** Justin Cameron

DRILLING DRILL METHOD Hydro Vac & Direct Push **CHECKED BY** Alanna Marotta

DRILL DATE(S) 16-Dec-2025 to 17-Dec-2025

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MW TEMPLATE 2 - CGM/PID CISCO BH LOGS.GPJ ARCADIS CANADA DATA TEMPLATE.GDT 2026/01/28

Appendix D

MECP Well Records

Ontario — Ministry of the Environment, Conservation and Parks

Well Record for Well Cluster – Part 1 of 3

(Only for Multiple Test Holes or Dewatering Wells)

Regulation 903 Ontario Water Resources Act

All measurements recorded in: ☐ Metric ☒ Imperial

Follow instructions on the front and back of this form. Print or Type

Well Tag No. of Deepest Well: *(Print Well Tag No.)* A412168

Well No. on Drawing of Deepest Well: MW25-04

☐ Dewatering wells ☒ Test holes

No. of wells reported 3

Page _____ of _____

Well Cluster Location Information

Address of Well Location (Street Number(s)/Name(s), RR, if available)	Lot(s)	Concession(s)	Geographic Township	County/District/Upper Tier Municipality
2000 Innovation dr				

City, Town, Village or Hamlet	Province	GPS Unit Make	Model	Unit Mode of Operation
Ottawa	Ontario			☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify:

Mandatory Attachments/Additional Information

☒ Land Owner Consent Form must be attached.

☒ Detailed Drawing of All Well Locations must be attached.

I, the person constructing the well, will promptly submit to the Director, on request, any additional information in my custody or control related to any well in the well cluster that I have constructed.

Signature of Technician/Contractor — Date (yyyy/mm/dd)

Well Details

Well # on Drawing	UTM Coordinates Zone	Easting	Northing	Hole Depth (m/ft)	Hole Diameter (cm/in)	Method of Construction	Casing Material; Diameter (cm/in)	Casing (m/ft) From	Casing (m/ft) To	Screen Interval (m/ft) From	Screen Interval (m/ft) To	Annular Space Material (m/ft) From	Annular Space Material (m/ft) To	Annular Space Material:	Overburden/Bedrock or Abandonment Filing Material Intervals (m/ft)	Static Water Level (m/ft)	Date of Completion (yyyy/mm/dd)
MW 25-01	18	427384	5021444	25	5	Direct Push	PVC 2"	0	15	15	25	0 & 1.14	1 & 25	Fushmant Bensey Sand	0-2 Gravel 2-25 Clay		2025/12/18
MW 25-02	18	427436	5021410	36	5	Direct Push	PVC 2"	0	26	26	36	0 & 25	1 & 36	Fushmant Bensey Sand	0-2 Gravel 2-36 Clay		2025/12/18
MW 25-04	18	427286	5021359	38	5	Direct Push	PVC 2"	0	28	28	38	0 & 27	27 & 38	Fushmant Bensey Sand	0-2 Gravel 2-38 Clay		2025/12/18

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
Strata Soil Sampling	129 Ringwood Dr	Stouffville	ON

Postal Code	Bus. Telephone No.	Well Contractor's Licence No.	Business E-mail Address
L4A8C1	9059407919	7241	

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Signature of Well Technician	Date Submitted (yyyy/mm/dd)
Thomas Rosser	4142		2026/01/16

Date First Well in Cluster Constructed or Abandoned (yyyy/mm/dd)	Date Last Well in Cluster Completed (yyyy/mm/dd)
2025/12/18	2025/12/18

Well Abandonment

Person Abandoning the Wells:

Name _____ (Print or Type) - See instruction 11 on the back of this form

Ministry Use Only

Date Received (yyyy/mm/dd) | Audit No. C 68809

Comments:

Ministry's Copy

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Ontario

Ministry of the Environment, Conservation and Parks

Well Record for Well Cluster - Part 2 of 3
Land Owner Consent

This form is to be completed by the person who constructs or abandons test holes or dewatering wells that form all or part of a well cluster. If this form is being used to report any well abandonment, these wells must have been previously reported as part of a single well cluster.

Note: For well cluster records, only the owners of the land on which the wells are situated are to give written consent. If the well purchaser (e.g. a consultant who hires the driller) is not the owner of the land, then the well purchaser cannot sign the consent form.

By signing this form, land owners are providing consent to use one well record to report a well cluster of test holes or dewatering wells in accordance with section 16.4 of Regulation 903 made under the *Ontario Water Resources Act.*

This completed **Well Record for Well Cluster Part 2 - Land Owner Consent** must be attached to Parts 1 and 3.

* Please PRINT if completing by hand.

Well Tag Number: # A412168

"Well Record for Well Cluster" Audit Number: # _____

Well # on Detailed Drawing	Property Location Description	Land Owner's Name	Signature of Land Owner	Date Signed *(yyyy/mm/dd)*
MW25-01	2000 INNOVATION DR., OTTAWA	CISCO SYSTEMS INC. 170 WEST TASMAN DR, SAN JOSE, CA, USA. 95134	ABDUL KHAN	
MW25-02	〃	〃		
MW25-03	〃	〃		

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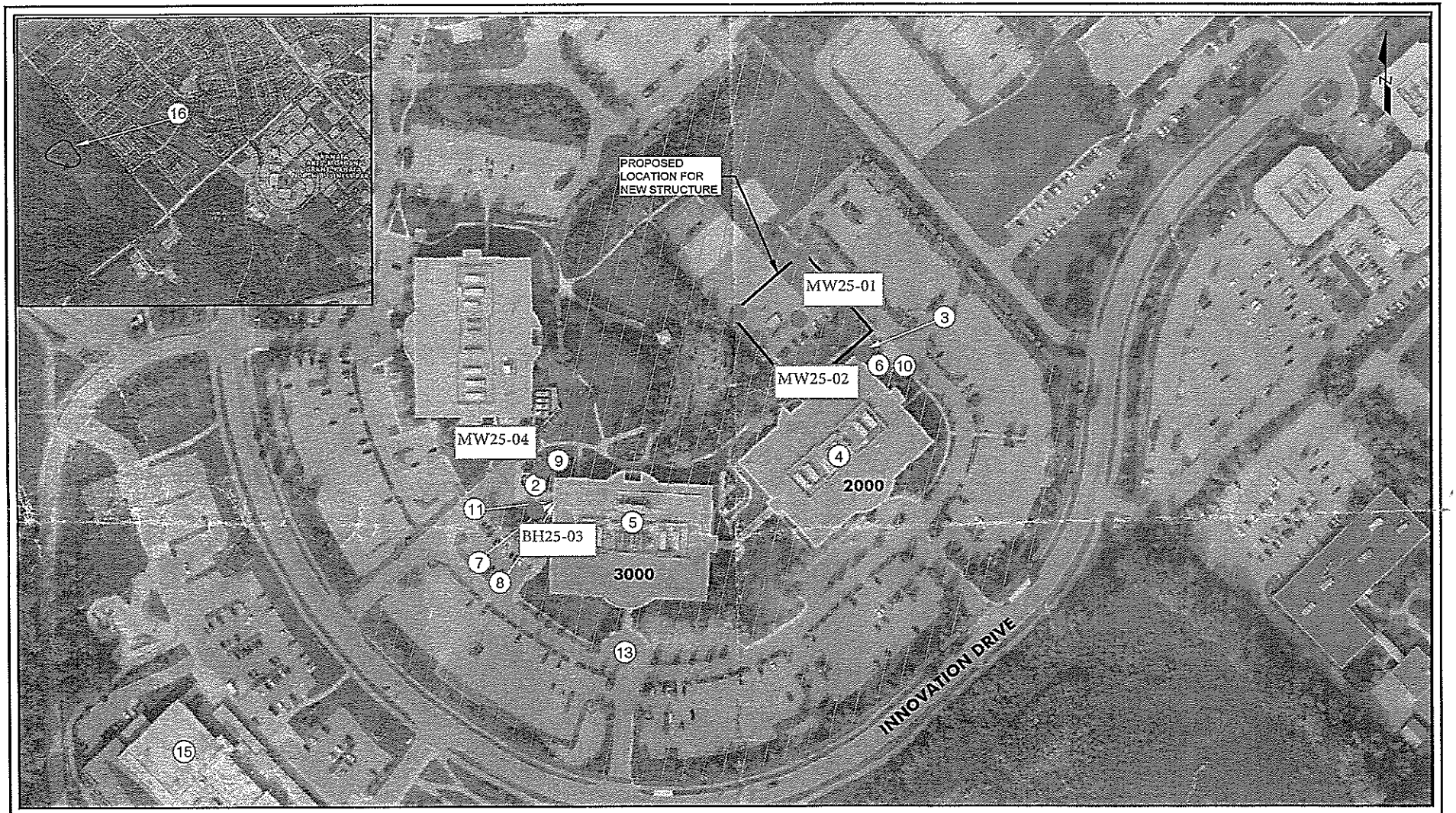

LEGEND

SITE BOUNDARY

POTENTIALLY CONTAMINATING ACTIVITIES

- PCA #1: Likely presence of fill material brought in during site development; placement of gravel fill of unknown origin across the site
- (2) PCA #2: Standby diesel-fueled generator and associated ASTs at 2000 Innovation Drive
- (3) PCA #3: Standby diesel-fueled generator and associated ASTs at 3000 Innovation Drive
- (4) PCA #4: Hazardous Waste Generator at 2000 Innovation Drive
- (5) PCA #5: Hazardous Waste Generator at 3000 Innovation Drive
- (6) PCA #6: Presence of two (2) hydraulic lifts located at the loading docks at 2000 Innovation Drive
- (7) PCA #7: Presence of two (2) hydraulic lifts located at the loading docks at 3000 Innovation Drive
- (8) PCA #8: Presence of an oil/water separator
- (9) PCA #9: Presence of 3 transformers
- (10) PCA #10: Presence of a transformer located east of the building at 2000 Innovation Drive
- (11) PCA #11: Historical onsite spills/leaks of 113 L of suspected Glycol on the 3000 Innovation Drive property
  PCA #12: Historical onsite spills/leaks of 265 L of suspected Glycol on the 3000 Innovation Drive property
- (13) PCA #13: Historical onsite spills/leaks of 100 L of suspected Glycol on the 3000 Innovation Drive property
  PCA #14: Historical onsite spills/leaks of 120 L of suspected non PCB transformer oil on the 3000 Innovation Drive property
- (15) PCA #15: Historical hazardous waste storage and disposal at 4101 Innovation Drive
- (16) PCA #16: Former March Landfill

Title:	PROPOSED BOREHOLE LOCATIONS
ARCADIS	Project: PHASE I ENVIRONMENTAL SITE ASSESSMENT 2000 & 3000 INNOVATION DRIVE KANATA, ON
Date: November 2025	Client: CISCO
Metres 35 0 35 70 1:2800	FIGURE 3

last saved 10-Nov-25 by dlogan

C:\Users\dlogan\OneDrive - ARCADIS\Documents\@WFH\30270525 CISCO PH I ESA\30298433 CISCO PH I ESA\30298433 CISCO PH I ESA v2.dwg

Appendix E

Laboratory Accreditation

Certificate of Accreditation

Certificat d'accréditation

Bureau Veritas
Mississauga Laboratory
6740 Campobello Road, Mississauga, ON L5N 2L8

SCC file number: / Dossier du CCN nº : 15025

Initial accreditation date: / Date de la première accréditation :1992-10-06

having been assessed by the Standards Council of Canada (SCC) and found to conform with the requirements of ISO/IEC 17025:2017 and the conditions for accreditation established by SCC is hereby recognized as an

ACCREDITED TESTING LABORATORY

for the specific tests or types of tests listed in the scope of accreditation approved by SCC and found on the SCC website at www.scc.ca.

ayant fait l'objet d'une évaluation du Conseil canadien des normes (CCN), et ayant été trouvé conforme aux exigences énoncées dans ISO/IEC 17025:2017 et aux conditions d'accréditation établies par le CCN, est de ce fait reconnu comme étant un

LABORATOIRE D'ESSAIS ACCRÉDITÉ

pour les essais ou types d'essais énumérés dans la portée d'accréditation approuvée par le CCN et figurant dans le site Web du CCN au www.ccn.ca.

Vice-President – Accreditation Services / Vice-président – Services d'accréditation

Issued on: / Délivré le :2022-02-16

The validity of this certificate, including the date of last re-accreditation and its expiry can be confirmed by the accompanying Scope of Accreditation document in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. The accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF communiqué dated April 2017).

Pour vérifier la validité du présent certificat, y compris la date de la dernière réaccréditation et la date d'expiration du certificat, consulter la portée d'accréditation qui se trouve dans le répertoire des laboratoires accrédités dans le site Web du CCN au www.ccn.ca.

Ce laboratoire est accrédité conformément à la Norme internationale reconnue ISO/IEC 17025:2017. Cette accréditation démontre la compétence technique d'un organisme pour une portée définie et l'exploitation d'un système de management de la qualité de laboratoire (cf. communiqué conjoint ISO-ILAC-IAF date d'avril 2017).

Standards Council of Canada established in 1970 — Conseil canadien des normes créé en 1970

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Un monde de possibilités à votre portée.

Canada

This certificate is the property of the Standards Council of Canada (SCC) and must be returned on request; reproduction is prohibited except on written approval of SCC.
Ce certificat est la propriété du Conseil canadien des normes (CCN) et doit lui être remis sur demande; toute reproduction est interdite sans l'autorisation écrite du CCN.

Appendix F

Residue Management

MANIFEST

Movement Document

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

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

Manifest Number
MN-000953657

A Generator/Consignor

Registration Number: ON5720990

Company Name
Cisco Systems Inc.

Mailing Address
2000 Innovation Drive, Kanata, Ontario
K2K3E8 Canada

Email
kalmille@cisco.com

Generating Site Address
2000 Innovation Drive, Kanata, Ontario
K2K3E8 Canada

Phone
4085256135 ext.

Generator Signature
SIGNED
Jan 29, 2026 12:21 PM

Name
Andrey Katsevman (on behalf of client)

Phone
(343)961-887

B Carrier

Registration Number: A860302

Company Name
DRAIN-ALL LTD.

Mailing Address
100 New Park Pl., No. 500, Vaughan,
Ontario, L4K 0H9

Email
delsie@gflenv.com

Phone
6137391070 ext. 301

Vehicle Information (Trailer / Rail Car)

(1) Registration Number
CE76166

Province/State
Ontario

(2) Registration Number

Province/State

Carrier Signature
SIGNED
Jan 29, 2026 12:21 PM

Name
Andrey Katsevman

Phone
(613)739-1070

C Receiver/Consignee

FINAL

Registration Number: A460722

Company Name
DRAIN-ALL LTD.

Mailing Address
2705 Stevenage Drive, Ottawa, Ontario,
K1G 3N2

Email
delsie@gflenv.com

Receiving Site Address
2705 STEVENAGE DRIVE
OTTAWA, Ontario
K1G3N2 Canada

Phone
6137391070 ext. 301

Receiver Signature
SIGNED
Feb 12, 2026 02:14 PM

Name
Amy Henderson

Phone
(613)739-1070

Shipment Details

Shipment Date
Jan 29 2026 (Anticipated)

Scheduled Arrival Date
Feb 01 2026

24-HOUR NUMBER
18778987222 ext

Special Handling
24 Hour Number: 1-877-898-7222

Additional TDG Information

Additional information

Waste Information

Waste Number	DG	UN Number	Shipping Name	Class (Sub. Class)	Packing Group	Toxic by Inhalation	Quantity Shipped	Number of Packages	Packaging Code	Physical State	Quantity Received	Comments	Handling Code	Accepted/ Refused
(1) **251 L**		**N/R**	**Non Regulated liquid (Purge water)**	**N/R (N/R)**	**NA**		**205.000 L**	**1**	**01 - Drum**	**Liquid**	**50.000 L**		**01 - Storage**	**ACCEPTED**

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

Andrey Katsevman (on behalf of client)
Shipper's name (Print)

Manifest Status
Completed

Appendix G

Laboratory Certificates of Analysis - Soil

Your Project #: 30298433-TASK 05
Your C.O.C. #: N/A

Attention: Lennart de Groot

ARCADIS Canada Inc
500-333 Preston Street
Ottawa, ON
CANADA K1S 5N4

Report Date: 2026/02/23
Report #: R8698894
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C617714
Received: 2026/02/20, 15:33

Sample Matrix: Soil
Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Hot Water Extractable Boron (1)	7	2026/02/23	2026/02/23	CAM SOP-00408	R153 Ana. Prot. 2011
Hexavalent Chromium in Soil by IC (1, 2)	7	2026/02/23	2026/02/23	CAM SOP-00436	EPA 3060A/7199 m
Acid Extractable Metals by ICPMS (1)	7	2026/02/23	2026/02/23	CAM SOP-00447	EPA 6020B m
Moisture (1)	7	N/A	2026/02/21	CAM SOP-00445	Carter 2nd ed 70.2 m
pH CaCl2 EXTRACT (1)	7	2026/02/23	2026/02/23	CAM SOP-00413	EPA 9045 D 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.
(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.

Your Project #: 30298433-TASK 05
Your C.O.C. #: N/A

Attention: Lennart de Groot

ARCADIS Canada Inc
500-333 Preston Street
Ottawa, ON
CANADA K1S 5N4

Report Date: 2026/02/23
Report #: R8698894
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C617714
Received: 2026/02/20, 15:33

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

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

O.REG 153 METALS PACKAGE (SOIL)

Bureau Veritas ID		BACJ16		BACJ17		BACJ18		BACJ19		
Sampling Date		2025/12/16 13:30		2025/12/17 12:30		2025/12/16 14:30		2025/12/17 14:30		
COC Number		N/A		N/A		N/A		N/A		
	UNITS	**MW25-01-03**	**RDL**	**MW25-01-05**	**RDL**	**MW25-02-04**	**RDL**	**MW25-02-08**	**RDL**	**QC Batch**
Inorganics										
Chromium (VI)	ug/g	<0.36	0.36	<0.18	0.18	<0.36	0.36	<0.18	0.18	A104580
Metals										
Hot Water Ext. Boron (B)	ug/g	0.096	0.050	0.35	0.050	0.11	0.050	0.45	0.050	A104677
Acid Extractable Antimony (Sb)	ug/g	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	A104654
Acid Extractable Arsenic (As)	ug/g	3.3	1.0	<1.0	1.0	2.7	1.0	<1.0	1.0	A104654
Acid Extractable Barium (Ba)	ug/g	230	0.50	240	0.50	220	0.50	230	0.50	A104654
Acid Extractable Beryllium (Be)	ug/g	0.83	0.20	0.62	0.20	0.78	0.20	0.61	0.20	A104654
Acid Extractable Boron (B)	ug/g	6.2	5.0	6.2	5.0	5.9	5.0	6.8	5.0	A104654
Acid Extractable Cadmium (Cd)	ug/g	<0.10	0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	A104654
Acid Extractable Chromium (Cr)	ug/g	65	1.0	60	1.0	62	1.0	57	1.0	A104654
Acid Extractable Cobalt (Co)	ug/g	19	0.10	16	0.10	18	0.10	15	0.10	A104654
Acid Extractable Copper (Cu)	ug/g	37	0.50	29	0.50	35	0.50	28	0.50	A104654
Acid Extractable Lead (Pb)	ug/g	8.5	1.0	5.5	1.0	7.6	1.0	5.2	1.0	A104654
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	0.50	0.96	0.50	<0.50	0.50	0.87	0.50	A104654
Acid Extractable Nickel (Ni)	ug/g	39	0.50	33	0.50	37	0.50	32	0.50	A104654
Acid Extractable Selenium (Se)	ug/g	<0.50	0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	A104654
Acid Extractable Silver (Ag)	ug/g	<0.20	0.20	<0.20	0.20	<0.20	0.20	<0.20	0.20	A104654
Acid Extractable Thallium (Tl)	ug/g	0.31	0.050	0.30	0.050	0.32	0.050	0.29	0.050	A104654
Acid Extractable Uranium (U)	ug/g	0.58	0.050	0.98	0.050	0.59	0.050	1.4	0.050	A104654
Acid Extractable Vanadium (V)	ug/g	88	5.0	83	5.0	86	5.0	75	5.0	A104654
Acid Extractable Zinc (Zn)	ug/g	110	5.0	94	5.0	110	5.0	86	5.0	A104654
Acid Extractable Mercury (Hg)	ug/g	<0.050	0.050	<0.050	0.050	<0.050	0.050	<0.050	0.050	A104654

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 METALS PACKAGE (SOIL)

Bureau Veritas ID		BACJ20			BACJ20			BACJ21		
Sampling Date		2025/12/16 10:30			2025/12/16 10:30			2025/12/16 09:30		
COC Number		N/A			N/A			N/A		
	UNITS	**BH25-03-02**	**RDL**	**QC Batch**	**BH25-03-02 Lab-Dup**	**RDL**	**QC Batch**	**MW25-04-03**	**RDL**	**QC Batch**
Inorganics										
Chromium (VI)	ug/g	<0.18	0.18	A104580	<0.18	0.18	A104580	<0.36	0.36	A104580
Metals										
Hot Water Ext. Boron (B)	ug/g	0.11	0.050	A104677				0.10	0.050	A104677
Acid Extractable Antimony (Sb)	ug/g	<0.20	0.20	A104654				<0.20	0.20	A104654
Acid Extractable Arsenic (As)	ug/g	1.4	1.0	A104654				1.2	1.0	A104654
Acid Extractable Barium (Ba)	ug/g	290	0.50	A104654				290	0.50	A104654
Acid Extractable Beryllium (Be)	ug/g	0.76	0.20	A104654				0.81	0.20	A104654
Acid Extractable Boron (B)	ug/g	<5.0	5.0	A104654				<5.0	5.0	A104654
Acid Extractable Cadmium (Cd)	ug/g	<0.10	0.10	A104654				<0.10	0.10	A104654
Acid Extractable Chromium (Cr)	ug/g	80	1.0	A104654				83	1.0	A104654
Acid Extractable Cobalt (Co)	ug/g	20	0.10	A104654				20	0.10	A104654
Acid Extractable Copper (Cu)	ug/g	39	0.50	A104654				40	0.50	A104654
Acid Extractable Lead (Pb)	ug/g	6.3	1.0	A104654				6.6	1.0	A104654
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	0.50	A104654				<0.50	0.50	A104654
Acid Extractable Nickel (Ni)	ug/g	45	0.50	A104654				46	0.50	A104654
Acid Extractable Selenium (Se)	ug/g	<0.50	0.50	A104654				<0.50	0.50	A104654
Acid Extractable Silver (Ag)	ug/g	<0.20	0.20	A104654				<0.20	0.20	A104654
Acid Extractable Thallium (Tl)	ug/g	0.40	0.050	A104654				0.39	0.050	A104654
Acid Extractable Uranium (U)	ug/g	0.62	0.050	A104654				0.63	0.050	A104654
Acid Extractable Vanadium (V)	ug/g	97	5.0	A104654				97	5.0	A104654
Acid Extractable Zinc (Zn)	ug/g	120	5.0	A104654				120	5.0	A104654
Acid Extractable Mercury (Hg)	ug/g	<0.050	0.050	A104654				<0.050	0.050	A104654

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

O.REG 153 METALS PACKAGE (SOIL)

Bureau Veritas ID		BACJ22			BACJ22		
Sampling Date		2025/12/17 09:30			2025/12/17 09:30		
COC Number		N/A			N/A		
	UNITS	**MW25-04-06**	**RDL**	**QC Batch**	**MW25-04-06 Lab-Dup**	**RDL**	**QC Batch**
Inorganics							
Chromium (VI)	ug/g	<0.18	0.18	A104580			
Metals							
Hot Water Ext. Boron (B)	ug/g	0.27	0.050	A104677	0.26	0.050	A104677
Acid Extractable Antimony (Sb)	ug/g	<0.20	0.20	A104654			
Acid Extractable Arsenic (As)	ug/g	<1.0	1.0	A104654			
Acid Extractable Barium (Ba)	ug/g	230	0.50	A104654			
Acid Extractable Beryllium (Be)	ug/g	0.55	0.20	A104654			
Acid Extractable Boron (B)	ug/g	5.5	5.0	A104654			
Acid Extractable Cadmium (Cd)	ug/g	<0.10	0.10	A104654			
Acid Extractable Chromium (Cr)	ug/g	54	1.0	A104654			
Acid Extractable Cobalt (Co)	ug/g	14	0.10	A104654			
Acid Extractable Copper (Cu)	ug/g	28	0.50	A104654			
Acid Extractable Lead (Pb)	ug/g	5.5	1.0	A104654			
Acid Extractable Molybdenum (Mo)	ug/g	0.90	0.50	A104654			
Acid Extractable Nickel (Ni)	ug/g	31	0.50	A104654			
Acid Extractable Selenium (Se)	ug/g	<0.50	0.50	A104654			
Acid Extractable Silver (Ag)	ug/g	<0.20	0.20	A104654			
Acid Extractable Thallium (Tl)	ug/g	0.28	0.050	A104654			
Acid Extractable Uranium (U)	ug/g	1.1	0.050	A104654			
Acid Extractable Vanadium (V)	ug/g	73	5.0	A104654			
Acid Extractable Zinc (Zn)	ug/g	81	5.0	A104654			
Acid Extractable Mercury (Hg)	ug/g	<0.050	0.050	A104654			

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

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		BACJ16		BACJ16		BACJ17	BACJ18	BACJ19		
Sampling Date		2025/12/16 13:30		2025/12/16 13:30		2025/12/17 12:30	2025/12/16 14:30	2025/12/17 14:30		
COC Number		N/A		N/A		N/A	N/A	N/A		
	UNITS	**MW25-01-03**	**QC Batch**	**MW25-01-03 Lab-Dup**	**QC Batch**	**MW25-01-05**	**MW25-02-04**	**MW25-02-08**	**RDL**	**QC Batch**
Inorganics										
Moisture	%	36	A104516	36	A104516	34	36	30	1.0	A104516
Available (CaCl2) pH	pH	7.65	A104847			7.91	7.63	7.75		A104847

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

Bureau Veritas ID		BACJ20	BACJ21	BACJ22		
Sampling Date		2025/12/16 10:30	2025/12/16 09:30	2025/12/17 09:30		
COC Number		N/A	N/A	N/A		
	UNITS	**BH25-03-02**	**MW25-04-03**	**MW25-04-06**	**RDL**	**QC Batch**
Inorganics						
Moisture	%	33	38	33	1.0	A104516
Available (CaCl2) pH	pH	7.75	7.49	7.94		A104847

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

TEST SUMMARY

Bureau Veritas ID: BACJ16 **Collected:** 2025/12/16
Sample ID: MW25-01-03 **Shipped:**
Matrix: Soil **Received:** 2026/02/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	A104677	2026/02/23	2026/02/23	Indira HarryPaul
Hexavalent Chromium in Soil by IC	IC/SPEC	A104580	2026/02/23	2026/02/23	Rupinder Sihota
Acid Extractable Metals by ICPMS	ICP/MS	A104654	2026/02/23	2026/02/23	Viviana Canzonieri
Moisture	BAL	A104516	N/A	2026/02/21	Min Yang
pH CaCl2 EXTRACT	AT	A104847	2026/02/23	2026/02/23	Helen He

Bureau Veritas ID: BACJ16 Dup **Collected:** 2025/12/16
Sample ID: MW25-01-03 **Shipped:**
Matrix: Soil **Received:** 2026/02/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	A104516	N/A	2026/02/21	Min Yang

Bureau Veritas ID: BACJ17 **Collected:** 2025/12/17
Sample ID: MW25-01-05 **Shipped:**
Matrix: Soil **Received:** 2026/02/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	A104677	2026/02/23	2026/02/23	Indira HarryPaul
Hexavalent Chromium in Soil by IC	IC/SPEC	A104580	2026/02/23	2026/02/23	Rupinder Sihota
Acid Extractable Metals by ICPMS	ICP/MS	A104654	2026/02/23	2026/02/23	Viviana Canzonieri
Moisture	BAL	A104516	N/A	2026/02/21	Min Yang
pH CaCl2 EXTRACT	AT	A104847	2026/02/23	2026/02/23	Helen He

Bureau Veritas ID: BACJ18 **Collected:** 2025/12/16
Sample ID: MW25-02-04 **Shipped:**
Matrix: Soil **Received:** 2026/02/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	A104677	2026/02/23	2026/02/23	Indira HarryPaul
Hexavalent Chromium in Soil by IC	IC/SPEC	A104580	2026/02/23	2026/02/23	Rupinder Sihota
Acid Extractable Metals by ICPMS	ICP/MS	A104654	2026/02/23	2026/02/23	Viviana Canzonieri
Moisture	BAL	A104516	N/A	2026/02/21	Min Yang
pH CaCl2 EXTRACT	AT	A104847	2026/02/23	2026/02/23	Helen He

Bureau Veritas ID: BACJ19 **Collected:** 2025/12/17
Sample ID: MW25-02-08 **Shipped:**
Matrix: Soil **Received:** 2026/02/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	A104677	2026/02/23	2026/02/23	Indira HarryPaul
Hexavalent Chromium in Soil by IC	IC/SPEC	A104580	2026/02/23	2026/02/23	Rupinder Sihota
Acid Extractable Metals by ICPMS	ICP/MS	A104654	2026/02/23	2026/02/23	Viviana Canzonieri
Moisture	BAL	A104516	N/A	2026/02/21	Min Yang
pH CaCl2 EXTRACT	AT	A104847	2026/02/23	2026/02/23	Helen He

TEST SUMMARY

Bureau Veritas ID: BACJ20 **Collected:** 2025/12/16
Sample ID: BH25-03-02 **Shipped:**
Matrix: Soil **Received:** 2026/02/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	A104677	2026/02/23	2026/02/23	Indira HarryPaul
Hexavalent Chromium in Soil by IC	IC/SPEC	A104580	2026/02/23	2026/02/23	Rupinder Sihota
Acid Extractable Metals by ICPMS	ICP/MS	A104654	2026/02/23	2026/02/23	Viviana Canzonieri
Moisture	BAL	A104516	N/A	2026/02/21	Min Yang
pH CaCl2 EXTRACT	AT	A104847	2026/02/23	2026/02/23	Helen He

Bureau Veritas ID: BACJ20 Dup **Collected:** 2025/12/16
Sample ID: BH25-03-02 **Shipped:**
Matrix: Soil **Received:** 2026/02/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hexavalent Chromium in Soil by IC	IC/SPEC	A104580	2026/02/23	2026/02/23	Rupinder Sihota

Bureau Veritas ID: BACJ21 **Collected:** 2025/12/16
Sample ID: MW25-04-03 **Shipped:**
Matrix: Soil **Received:** 2026/02/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	A104677	2026/02/23	2026/02/23	Indira HarryPaul
Hexavalent Chromium in Soil by IC	IC/SPEC	A104580	2026/02/23	2026/02/23	Rupinder Sihota
Acid Extractable Metals by ICPMS	ICP/MS	A104654	2026/02/23	2026/02/23	Viviana Canzonieri
Moisture	BAL	A104516	N/A	2026/02/21	Min Yang
pH CaCl2 EXTRACT	AT	A104847	2026/02/23	2026/02/23	Helen He

Bureau Veritas ID: BACJ22 **Collected:** 2025/12/17
Sample ID: MW25-04-06 **Shipped:**
Matrix: Soil **Received:** 2026/02/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	A104677	2026/02/23	2026/02/23	Indira HarryPaul
Hexavalent Chromium in Soil by IC	IC/SPEC	A104580	2026/02/23	2026/02/23	Rupinder Sihota
Acid Extractable Metals by ICPMS	ICP/MS	A104654	2026/02/23	2026/02/23	Viviana Canzonieri
Moisture	BAL	A104516	N/A	2026/02/21	Min Yang
pH CaCl2 EXTRACT	AT	A104847	2026/02/23	2026/02/23	Helen He

Bureau Veritas ID: BACJ22 Dup **Collected:** 2025/12/17
Sample ID: MW25-04-06 **Shipped:**
Matrix: Soil **Received:** 2026/02/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	A104677	2026/02/23	2026/02/23	Indira HarryPaul

GENERAL COMMENTS

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

Package 1	17.7°C

Samples received at a temperature above 10 C and past hold time for pH and hexavalent chromim analysis, results may be biased. Proceeded with client consent.

Sample BACJ16 [MW25-01-03] : Hexavalent Chromium: Detection Limits were raised due to high moisture content.

Sample BACJ18 [MW25-02-04] : Hexavalent Chromium: Detection Limits were raised due to high moisture content.

Sample BACJ21 [MW25-04-03] : Hexavalent Chromium: Detection Limits were raised due to high moisture content.

Results relate only to the items tested.

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

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
A104516	Moisture	2026/02/21							0.83	20
A104580	Chromium (VI)	2026/02/23	87	70 - 130	92	80 - 120	<0.18	ug/g	NC	35
A104654	Acid Extractable Antimony (Sb)	2026/02/23	73 (1)	75 - 125	99	80 - 120	<0.20	ug/g	NC	30
A104654	Acid Extractable Arsenic (As)	2026/02/23	98	75 - 125	100	80 - 120	<1.0	ug/g	4.5	30
A104654	Acid Extractable Barium (Ba)	2026/02/23	NC	75 - 125	98	80 - 120	<0.50	ug/g	1.7	30
A104654	Acid Extractable Beryllium (Be)	2026/02/23	95	75 - 125	94	80 - 120	<0.20	ug/g	0.082	30
A104654	Acid Extractable Boron (B)	2026/02/23	89	75 - 125	92	80 - 120	<5.0	ug/g	NC	30
A104654	Acid Extractable Cadmium (Cd)	2026/02/23	99	75 - 125	98	80 - 120	<0.10	ug/g	14	30
A104654	Acid Extractable Chromium (Cr)	2026/02/23	NC	75 - 125	101	80 - 120	<1.0	ug/g	1.5	30
A104654	Acid Extractable Cobalt (Co)	2026/02/23	100	75 - 125	100	80 - 120	<0.10	ug/g	0.83	30
A104654	Acid Extractable Copper (Cu)	2026/02/23	NC	75 - 125	102	80 - 120	<0.50	ug/g	1.2	30
A104654	Acid Extractable Lead (Pb)	2026/02/23	94	75 - 125	96	80 - 120	<1.0	ug/g	3.9	30
A104654	Acid Extractable Mercury (Hg)	2026/02/23	94	75 - 125	93	80 - 120	<0.050	ug/g	NC	30
A104654	Acid Extractable Molybdenum (Mo)	2026/02/23	105	75 - 125	105	80 - 120	<0.50	ug/g	2.1	30
A104654	Acid Extractable Nickel (Ni)	2026/02/23	NC	75 - 125	102	80 - 120	<0.50	ug/g	0.93	30
A104654	Acid Extractable Selenium (Se)	2026/02/23	102	75 - 125	100	80 - 120	<0.50	ug/g	NC	30
A104654	Acid Extractable Silver (Ag)	2026/02/23	102	75 - 125	101	80 - 120	<0.20	ug/g	NC	30
A104654	Acid Extractable Thallium (Tl)	2026/02/23	96	75 - 125	98	80 - 120	<0.050	ug/g	0.33	30
A104654	Acid Extractable Uranium (U)	2026/02/23	98	75 - 125	97	80 - 120	<0.050	ug/g	2.0	30
A104654	Acid Extractable Vanadium (V)	2026/02/23	NC	75 - 125	104	80 - 120	<5.0	ug/g	1.6	30
A104654	Acid Extractable Zinc (Zn)	2026/02/23	NC	75 - 125	102	80 - 120	<5.0	ug/g	1.5	30
A104677	Hot Water Ext. Boron (B)	2026/02/23	102	75 - 125	98	75 - 125	<0.050	ug/g	3.2	40

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
A104847	Available (CaCl2) pH	2026/02/23			102	97 - 103			0.063	N/A

N/A = Not Applicable

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

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

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

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

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) Matrix Spike exceeds acceptance limits, probable matrix interference

VALIDATION SIGNATURE PAGE

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

Louise Harding, Scientific Specialist

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

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

C617714
2026/02/20 15:33

Received in Ottawa

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

CHAIN OF CUSTODY RECORD

ENV COC - 00014v6

Invoice Information	Invoice to (requires report) ☑	Report Information (if differs from invoice)		Project Information	
Company :	#10988 Arcadis Canada Inc.	Company:		Quotation #:	C45635
Contact Name:	Accounts Payable Canada	Contact Name:		P.O. #/ AFE#:	
Street Address:	333 Preston Street	Street Address:		Project #:	30298433-Task 05
City:	Ottawa Prov: ON Postal Code: K1S 5N4	City: Prov: Postal Code:		Site #:	
Phone:	613 721-0555	Phone:		Site Location:	
Email:	lennart.degroot@arcadis.com	Email:		Site Location Province:	ON
Copies:		Copies:		Sampled By:	Justin Cameron

LAB USE ONLY - PLACE STICKER HERE

Rush Confirmation #:

Regulatory Criteria

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

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

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

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

	Sample Identification (Please print or Type)	Date Sampled YYYY	MM	DD	Time (24hr) HH	MM	Matrix	1 FIELD FILTERED	2 FIELD PRESERVED	3 LAB FILTRATION REQUIRED	4 BTEX/F1	5 F2 - F4	6 VOCs	7 Reg 153 metals and inorganics	8 Reg 153 ICPMS metals	9 Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	10 pH	11	12	13	14	15	16	17	18	19	20	21 # OF CONTAINERS SUBMITTED	22 HOLD - DO NOT ANALYZE
1	MW25-01-03	25	12	16	13	30	Soil									X	X											1	
2	MW25-01-05	25	12	17	12	30	Soil									X	X											1	
3	MW25-02-04	25	12	16	14	30	Soil									X	X											1	
4	MW25-02-08	25	12	17	14	30	Soil									X	X											1	
5	BH ~~MW~~25-03-02 OB	25	12	16	10	30	Soil									X	X											1	
6	~~MW25-03-06~~	~~25~~	~~12~~	~~18~~	~~14~~	~~00~~	~~Soil~~									~~X~~	~~X~~											~~1~~	OB
7	MW25-04-03	25	12	16	9	30	Soil									X	X											1	
8	MW25-04-06	25	12	17	9	30	Soil									X	X											1	
9																													
10																													
11																													
12																													

Regular Turnaround Time (TAT)

☐ 5 to 7 Day ☐ 10 Day

Rush Turnaround Time (TAT) Surcharges apply

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

Date Required: YYYY MM DD

Comments

OTT-2026-02-195

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

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present	✓		19	19	16	
Seal intact	✓		(icepacks)			
Cooling media present	✓					

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

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

	Relinquished by: (Signature/ Print)	Date YYYY	MM	DD	Time HH	MM		Received by: (Signature/ Print)	Date YYYY	MM	DD	Time HH	MM	Special instructions
1	Olivia Barber OB	2026	02	20	15	30	1	Pedro da Silva	2026	02	20	15	33	
2							2							

RUSH

Your Project #: 30298433-Task 05
Your C.O.C. #: C#1075663-01-02

Attention: Lennart de Groot

ARCADIS Canada Inc
500-333 Preston Street
Ottawa, ON
CANADA K1S 5N4

Report Date: 2025/12/30
Report #: R8675863
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5G0528
Received: 2025/12/19, 11:10

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Cyanide (WAD) in Leachates (1)	1	N/A	2025/12/23	CAM SOP-00457	OMOE 3015 m
Fluoride by ISE in Leachates (1)	1	2025/12/23	2025/12/23	CAM SOP-00449	SM 24 4500-F- C m
Total Metals in TCLP Leachate by ICPMS (1)	1	2025/12/24	2025/12/24	CAM SOP-00447	EPA 6020B m
Ignitability of a Sample (1)	1	2025/12/29	2025/12/29	CAM SOP-00432	EPA 1030 Rev. 1 m
Nitrate& Nitrite as Nitrogen in Leachate (1)	1	N/A	2025/12/23	CAM SOP-00440	SM 24 4500-NO3I/NO2B
PAH Compounds in Leachate by GC/MS (SIM) (1)	1	2025/12/24	2025/12/24	CAM SOP-00318	EPA 8270E
TCLP - % Solids (1)	1	2025/12/22	2025/12/23	CAM SOP-00401	EPA 1311 Update I m
TCLP - Extraction Fluid (1)	1	N/A	2025/12/23	CAM SOP-00401	EPA 1311 Update I m
TCLP - Initial and final pH (1)	1	N/A	2025/12/23	CAM SOP-00401	EPA 1311 Update I m
TCLP Zero Headspace Extraction (1)	1	2025/12/29	2025/12/30	CAM SOP-00430	EPA 1311 m
VOCs in ZHE Leachates (1)	1	2025/12/30	2025/12/30	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

Your Project #: 30298433-Task 05
Your C.O.C. #: C#1075663-01-02

Attention: Lennart de Groot

ARCADIS Canada Inc
500-333 Preston Street
Ottawa, ON
CANADA K1S 5N4

Report Date: 2025/12/30
Report #: R8675863
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5G0528
Received: 2025/12/19, 11:10

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

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O.REG 558 TCLP BENZO(A)PYRENE

Bureau Veritas ID		AYOK88		
Sampling Date		2025/12/18 16:00		
COC Number		C#1075663-01-02		
	UNITS	**TCLP**	**RDL**	**QC Batch**
Polyaromatic Hydrocarbons				
Leachable Benzo(a)pyrene	ug/L	<0.10	0.10	A079802
Surrogate Recovery (%)				
Leachable D10-Anthracene	%	109		A079802
Leachable D14-Terphenyl (FS)	%	98		A079802
Leachable D8-Acenaphthylene	%	87		A079802

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 558 TCLP INORGANICS PACKAGE (SOIL)

Bureau Veritas ID		AYOK88		
Sampling Date		2025/12/18 16:00		
COC Number		C#1075663-01-02		
	UNITS	**TCLP**	**RDL**	**QC Batch**
Inorganics				
Leachable Fluoride (F-)	mg/L	0.16	0.10	A079324
Leachable WAD Cyanide (Free)	mg/L	<0.010	0.010	A079335
Leachable Nitrite (N)	mg/L	<0.10	0.10	A079336
Leachable Nitrate (N)	mg/L	<1.0	1.0	A079336
Leachable Nitrate + Nitrite (N)	mg/L	<1.0	1.0	A079336
Metals				
Leachable Arsenic (As)	mg/L	<0.2	0.2	A079774
Leachable Barium (Ba)	mg/L	0.5	0.2	A079774
Leachable Boron (B)	mg/L	<0.1	0.1	A079774
Leachable Cadmium (Cd)	mg/L	<0.05	0.05	A079774
Leachable Chromium (Cr)	mg/L	<0.1	0.1	A079774
Leachable Lead (Pb)	mg/L	<0.1	0.1	A079774
Leachable Mercury (Hg)	mg/L	<0.001	0.001	A079774
Leachable Selenium (Se)	mg/L	<0.1	0.1	A079774
Leachable Silver (Ag)	mg/L	<0.01	0.01	A079774
Leachable Uranium (U)	mg/L	<0.01	0.01	A079774

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

TCLP LEACHATE PREPARATION (SOIL)

Bureau Veritas ID		AYOK88		
Sampling Date		2025/12/18 16:00		
COC Number		C#1075663-01-02		
	UNITS	**TCLP**	**RDL**	**QC Batch**
Inorganics				
Final pH	pH	6.27		A079289
Initial pH	pH	9.76		A079289
TCLP - % Solids	%	100	0.2	A078476
TCLP Extraction Fluid	N/A	FLUID 1		A079288

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 558 TCLP VOCS BY HS (SOIL)

Bureau Veritas ID		AYOK88		
Sampling Date		2025/12/18 16:00		
COC Number		C#1075663-01-02		
	UNITS	**TCLP**	**RDL**	**QC Batch**
Charge/Prep Analysis				
Amount Extracted (Wet Weight) (g)	N/A	25	N/A	A080871
Volatile Organics				
Leachable Benzene	mg/L	<0.020	0.020	A081531
Leachable Carbon Tetrachloride	mg/L	<0.020	0.020	A081531
Leachable Chlorobenzene	mg/L	<0.020	0.020	A081531
Leachable Chloroform	mg/L	<0.020	0.020	A081531
Leachable 1,2-Dichlorobenzene	mg/L	<0.050	0.050	A081531
Leachable 1,4-Dichlorobenzene	mg/L	<0.050	0.050	A081531
Leachable 1,2-Dichloroethane	mg/L	<0.050	0.050	A081531
Leachable 1,1-Dichloroethylene	mg/L	<0.020	0.020	A081531
Leachable Methylene Chloride(Dichloromethane)	mg/L	<0.20	0.20	A081531
Leachable Methyl Ethyl Ketone (2-Butanone)	mg/L	<1.0	1.0	A081531
Leachable Tetrachloroethylene	mg/L	<0.020	0.020	A081531
Leachable Trichloroethylene	mg/L	<0.020	0.020	A081531
Leachable Vinyl Chloride	mg/L	<0.020	0.020	A081531
Surrogate Recovery (%)				
Leachable 4-Bromofluorobenzene	%	100		A081531
Leachable D4-1,2-Dichloroethane	%	99		A081531
Leachable D8-Toluene	%	95		A081531

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

MISCELLANEOUS (SOIL)

Bureau Veritas ID		AYOK88	
Sampling Date		2025/12/18 16:00	
COC Number		C#1075663-01-02	
	UNITS	**TCLP**	**QC Batch**
Inorganics			
Ignitability	N/A	NF/NI	A080919
QC Batch = Quality Control Batch			

Bureau Veritas Job #: C5G0528
Report Date: 2025/12/30

ARCADIS Canada Inc
Client Project #: 30298433-Task 05
Sampler Initials: JC

TEST SUMMARY

Bureau Veritas ID: AYOK88
Sample ID: TCLP
Matrix: Soil

Collected: 2025/12/18
Shipped:
Received: 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Cyanide (WAD) in Leachates	SKAL/CN	A079335	N/A	2025/12/23	Prgya Panchal
Fluoride by ISE in Leachates	ISE	A079324	2025/12/23	2025/12/23	Nachiketa Gohil
Total Metals in TCLP Leachate by ICPMS	ICP1/MS	A079774	2025/12/24	2025/12/24	Lina Nguyen
Ignitability of a Sample	BAL	A080919	2025/12/29	2025/12/29	Viresh Patel
Nitrate& Nitrite as Nitrogen in Leachate	LACH	A079336	N/A	2025/12/23	Chandra Nandlal
PAH Compounds in Leachate by GC/MS (SIM)	GC/MS	A079802	2025/12/24	2025/12/24	Jonghan Yoon
TCLP - % Solids	BAL	A078476	2025/12/22	2025/12/23	Ken Wang
TCLP - Extraction Fluid		A079288	N/A	2025/12/23	Ken Wang
TCLP - Initial and final pH	PH	A079289	N/A	2025/12/23	Ken Wang
TCLP Zero Headspace Extraction		A080871	2025/12/29	2025/12/30	Binuja Kodithuwakku Arachchilage
VOCs in ZHE Leachates	GC/MS	A081531	2025/12/30	2025/12/30	Noel Ramos

GENERAL COMMENTS

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

Package 1	4.0°C

Sample AYOK88 [TCLP] : NF/NI = Non Flammable and Non Ignitable.

Results relate only to the items tested.

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

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		Leachate Blank	
QC Batch	**Parameter**	**Date**	**% Recovery**	**QC Limits**	**% Recovery**	**QC Limits**	**Value**	**UNITS**	**Value (%)**	**QC Limits**	**Value**	**UNITS**
A079802	Leachable D10-Anthracene	2025/12/24	110	50 - 130	109	50 - 130	109	%				
A079802	Leachable D14-Terphenyl (FS)	2025/12/24	101	50 - 130	103	50 - 130	101	%				
A079802	Leachable D8-Acenaphthylene	2025/12/24	86	50 - 130	81	50 - 130	83	%				
A081531	Leachable 4-Bromofluorobenzene	2025/12/30	100	70 - 130	101	70 - 130	100	%				
A081531	Leachable D4-1,2-Dichloroethane	2025/12/30	98	70 - 130	101	70 - 130	97	%				
A081531	Leachable D8-Toluene	2025/12/30	103	70 - 130	101	70 - 130	96	%				
A079324	Leachable Fluoride (F-)	2025/12/23	94	75 - 125	95	75 - 125	<0.10	mg/L	1.4	25	<0.10	mg/L
A079335	Leachable WAD Cyanide (Free)	2025/12/23	92	80 - 120	105	80 - 120	<0.0020	mg/L	NC	20	<0.010	mg/L
A079336	Leachable Nitrate (N)	2025/12/23	50 (1)	80 - 120	96	80 - 120	<1.0	mg/L	NC	20	<1.0	mg/L
A079336	Leachable Nitrate + Nitrite (N)	2025/12/23	58 (1)	80 - 120	97	80 - 120	<1.0	mg/L	NC	20	<1.0	mg/L
A079336	Leachable Nitrite (N)	2025/12/23	91	80 - 120	102	80 - 120	<0.10	mg/L	NC	20	<0.10	mg/L
A079774	Leachable Arsenic (As)	2025/12/24	100	80 - 120	102	80 - 120	<0.2	mg/L	NC	35	<0.2	mg/L
A079774	Leachable Barium (Ba)	2025/12/24	103	80 - 120	102	80 - 120	<0.2	mg/L	NC	35	<0.2	mg/L
A079774	Leachable Boron (B)	2025/12/24	99	80 - 120	97	80 - 120	<0.1	mg/L	NC	35	<0.1	mg/L
A079774	Leachable Cadmium (Cd)	2025/12/24	101	80 - 120	101	80 - 120	<0.05	mg/L	NC	35	<0.05	mg/L
A079774	Leachable Chromium (Cr)	2025/12/24	97	80 - 120	96	80 - 120	<0.1	mg/L	NC	35	<0.1	mg/L
A079774	Leachable Lead (Pb)	2025/12/24	92	80 - 120	96	80 - 120	<0.1	mg/L	NC	35	<0.1	mg/L
A079774	Leachable Mercury (Hg)	2025/12/24	96	80 - 120	96	80 - 120	<0.001	mg/L	NC	35	<0.001	mg/L
A079774	Leachable Selenium (Se)	2025/12/24	102	80 - 120	102	80 - 120	<0.1	mg/L	NC	35	<0.1	mg/L
A079774	Leachable Silver (Ag)	2025/12/24	93	80 - 120	92	80 - 120	<0.01	mg/L	NC	35	<0.01	mg/L
A079774	Leachable Uranium (U)	2025/12/24	96	80 - 120	96	80 - 120	<0.01	mg/L	NC	35	<0.01	mg/L
A079802	Leachable Benzo(a)pyrene	2025/12/24	94	50 - 130	91	50 - 130	<0.10	ug/L	NC	40		
A081531	Leachable 1,1-Dichloroethylene	2025/12/30	94	70 - 130	95	70 - 130	<0.020	mg/L	NC	30		
A081531	Leachable 1,2-Dichlorobenzene	2025/12/30	98	70 - 130	98	70 - 130	<0.050	mg/L	NC	30		
A081531	Leachable 1,2-Dichloroethane	2025/12/30	94	70 - 130	97	70 - 130	<0.050	mg/L	NC	30		
A081531	Leachable 1,4-Dichlorobenzene	2025/12/30	100	70 - 130	102	70 - 130	<0.050	mg/L	NC	30		
A081531	Leachable Benzene	2025/12/30	93	70 - 130	94	70 - 130	<0.020	mg/L				
A081531	Leachable Carbon Tetrachloride	2025/12/30	108	70 - 130	109	70 - 130	<0.020	mg/L	NC	30		
A081531	Leachable Chlorobenzene	2025/12/30	92	70 - 130	93	70 - 130	<0.020	mg/L	NC	30		
A081531	Leachable Chloroform	2025/12/30	96	70 - 130	97	70 - 130	<0.020	mg/L	NC	30		
A081531	Leachable Methyl Ethyl Ketone (2-Butanone)	2025/12/30	84	60 - 140	92	60 - 140	<1.0	mg/L	NC	30		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		Leachate Blank	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	Value	UNITS
A081531	Leachable Methylene Chloride (Dichloromethane)	2025/12/30	94	70 - 130	96	70 - 130	<0.20	mg/L	NC	30		
A081531	Leachable Tetrachloroethylene	2025/12/30	98	70 - 130	99	70 - 130	<0.020	mg/L	NC	30		
A081531	Leachable Trichloroethylene	2025/12/30	98	70 - 130	99	70 - 130	<0.020	mg/L	NC	30		
A081531	Leachable Vinyl Chloride	2025/12/30	93	70 - 130	94	70 - 130	<0.020	mg/L	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).

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

VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

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

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

C5G0528
2025/12/19 11:10

Page 1 of 1

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

Received in Ottawa

CHAIN OF CUSTODY RECORD

Invoice To:		Report To:		PROJECT INFORMATION:		Laboratory Use Only:	
Company:	#10988 ARCADIS Canada Inc	Company:		Quotation #:	C45635	Bureau Veritas Job #:	Bottle Order #:
Attention:	Accounts Payable Canada	Attention:	Lennart de Groot	P.O. #:			1075663
Address:	500-333 Preston Street	Address:		Project:	30298433-Task 05	COC #:	Project Manager:
	Ottawa ON K1S 5N4			Project Name:		C#1075663-01-02	Katherine Szozda
Tel:	(613) 721-0555 Fax: (613) 721-0029	Tel:	Fax:	Site #:			
Email:	invoices_ca@arcadis.com	Email:	lennart.degroot@arcadis.com	Sampled By:	Justin Cameron		

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine	☐ CCME ☐ Sanitary Sewer Bylaw	
☐ Table 2 ☐ Ind/Comm ☐ Coarse	☐ Reg 558. ☐ Storm Sewer Bylaw	
☐ Table 3 ☐ Agri/Othe ☐ For RSC	☐ MISA Municipality	
☐ Table	☐ PWQO ☐ Reg 406 Table	
	☐ Other	

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	Glycols in Soil by GC-FID	O.Reg 153 PCBs (Soil)	Phenols (4AAP)	Acid Extractable Metals (Zn, Pb, Hg & Fe) by ICP/MS	TCLP - metals & inorganics	TCLP - benzene	TCLP - VOCs	TCLP - ignitibility		# of Bottles	Comments
1		TCLP	2025/12/18	16:00	SOIL						X	X	X	X		2	
2					SOIL												
3					SOIL												
4					SOIL												
5					SOIL												
6					SOIL												
7					SOIL												
8					SOIL												
9					SOIL												
10					SOIL												

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 #)*

ÓTT-2025-12-129

* Relinquished By (Print):	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
Justin Cameron	25/12/18	17:00	Rodrigo da Silva	2025/12/19	11:10		Time Sensitive	Temperature (°C) on Recei	Custody Seal	Yes	No
								4/2/6 (icepack)	Present	✓	
									Intact	✓	

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

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

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

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

White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

Your Project #: 30298433-Task 05
Your C.O.C. #: C#1075663-01-01

Attention: Lennart de Groot

ARCADIS Canada Inc
500-333 Preston Street
Ottawa, ON
CANADA K1S 5N4

Report Date: 2025/12/31
Report #: R8676211
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5G0524
Received: 2025/12/19, 11:10

Sample Matrix: Soil
Samples Received: 9

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	9	N/A	2025/12/31	CAM SOP-00301	EPA 8270D m
ABN Compounds in soil by GC/MS (1)	5	2025/12/30	2025/12/30	CAM SOP-00301	EPA 8270E m
ABN Compounds in soil by GC/MS (1)	4	2025/12/30	2025/12/31	CAM SOP-00301	EPA 8270E m
Hot Water Extractable Boron (1)	9	2025/12/29	2025/12/30	CAM SOP-00408	R153 Ana. Prot. 2011
1,3-Dichloropropene Sum (1)	8	N/A	2025/12/29		EPA 8260C m
1,3-Dichloropropene Sum (1)	1	N/A	2025/12/30		EPA 8260C m
Free (WAD) Cyanide (1)	9	2025/12/29	2025/12/29	CAM SOP-00457	OMOE E3015 m
Dinitrotoluene Sum (1)	9	2025/12/20	2025/12/31	CAM SOP - 00301	EPA 8270
Petroleum Hydrocarbons F2-F4 in Soil (1, 2)	9	2025/12/29	2025/12/29	CAM SOP-00316	CCME CWS m
Glycols in Soil by GC-FID (1)	9	N/A	2025/12/24	CAM SOP-00322	EPA 8015 m
Acid Extractable Metals by ICPMS (1)	9	2025/12/29	2025/12/29	CAM SOP-00447	EPA 6020B m
Moisture (1)	9	N/A	2025/12/23	CAM SOP-00445	Carter 2nd ed 70.2 m
Polychlorinated Biphenyl in Soil (1)	9	2025/12/24	2025/12/24	CAM SOP-00309	EPA 8082A m
Phenols (4AAP) (1)	9	2025/12/29	2025/12/30	CAM SOP-00444	OMOE E3179 m
Sieve, 75um (1)	1	N/A	2025/12/23	CAM SOP-00467	ASTM D1140 -17 m
Volatile Organic Compounds and F1 PHCs (1)	8	N/A	2025/12/24	CAM SOP-00230	EPA 8260D m
Volatile Organic Compounds and F1 PHCs (1)	1	N/A	2025/12/30	CAM SOP-00230	EPA 8260D m

Remarks:

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

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

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

Your Project #: 30298433-Task 05
Your C.O.C. #: C#1075663-01-01

Attention: Lennart de Groot

ARCADIS Canada Inc
500-333 Preston Street
Ottawa, ON
CANADA K1S 5N4

Report Date: 2025/12/31
Report #: R8676211
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5G0524

Received: 2025/12/19, 11:10

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

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

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

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

O.REG 153 PCBS (SOIL)

Bureau Veritas ID		AYOK65	AYOK66	AYOK67	AYOK68	AYOK69		
Sampling Date		2025/12/16 10:00	2025/12/16 13:05	2025/12/16 14:00	2025/12/16 11:00	2025/12/17 13:05		
COC Number		C#1075663-01-01	C#1075663-01-01	C#1075663-01-01	C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-04-04**	**MW25-01-02**	**MW25-02-03**	**BH25-03-03**	**MW25-01-06**	**RDL**	**QC Batch**
PCBs								
Aroclor 1242	ug/g	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A080025
Aroclor 1248	ug/g	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A080025
Aroclor 1254	ug/g	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A080025
Aroclor 1260	ug/g	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A080025
Total PCB	ug/g	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A080025
Surrogate Recovery (%)								
Decachlorobiphenyl	%	102	106	111	106	106		A080025

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AYOK70	AYOK71	AYOK72	AYOK73		
Sampling Date		2025/12/17 10:00	2025/12/17 14:00	2025/12/18 14:00	2025/12/18 14:00		
COC Number		C#1075663-01-01	C#1075663-01-01	C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-04-07**	**MW25-02-07**	**BH25-03-06**	**DUP-1**	**RDL**	**QC Batch**
PCBs							
Aroclor 1242	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	A080025
Aroclor 1248	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	A080025
Aroclor 1254	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	A080025
Aroclor 1260	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	A080025
Total PCB	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	A080025
Surrogate Recovery (%)							
Decachlorobiphenyl	%	98	105	100	97		A080025

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AYOK65			AYOK65		
Sampling Date		2025/12/16 10:00			2025/12/16 10:00		
COC Number		C#1075663-01-01			C#1075663-01-01		
	UNITS	**MW25-04-04**	**RDL**	**QC Batch**	**MW25-04-04 Lab-Dup**	**RDL**	**QC Batch**
Calculated Parameters							
1,3-Dichloropropene (cis+trans)	ug/g	<0.050	0.050	A077937			
Volatile Organics							
Acetone (2-Propanone)	ug/g	<0.49	0.49	A079189	<0.49	0.49	A079189
Benzene	ug/g	<0.0060	0.0060	A079189	<0.0060	0.0060	A079189
Bromodichloromethane	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Bromoform	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Bromomethane	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Carbon Tetrachloride	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Chlorobenzene	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Chloroform	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Dibromochloromethane	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
1,2-Dichlorobenzene	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
1,3-Dichlorobenzene	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
1,4-Dichlorobenzene	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Dichlorodifluoromethane (FREON 12)	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
1,1-Dichloroethane	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
1,2-Dichloroethane	ug/g	<0.049	0.049	A079189	<0.049	0.049	A079189
1,1-Dichloroethylene	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
cis-1,2-Dichloroethylene	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
trans-1,2-Dichloroethylene	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
1,2-Dichloropropane	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
cis-1,3-Dichloropropene	ug/g	<0.030	0.030	A079189	<0.030	0.030	A079189
trans-1,3-Dichloropropene	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Ethylbenzene	ug/g	<0.010	0.010	A079189	<0.010	0.010	A079189
Ethylene Dibromide	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Hexane	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Methylene Chloride(Dichloromethane)	ug/g	<0.049	0.049	A079189	<0.049	0.049	A079189
Methyl Ethyl Ketone (2-Butanone)	ug/g	<0.40	0.40	A079189	<0.40	0.40	A079189
Methyl Isobutyl Ketone	ug/g	<0.40	0.40	A079189	<0.40	0.40	A079189
Methyl t-butyl ether (MTBE)	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Styrene	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
1,1,1,2-Tetrachloroethane	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
1,1,2,2-Tetrachloroethane	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Tetrachloroethylene	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189

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

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AYOK65			AYOK65		
Sampling Date		2025/12/16 10:00			2025/12/16 10:00		
COC Number		C#1075663-01-01			C#1075663-01-01		
	UNITS	**MW25-04-04**	**RDL**	**QC Batch**	**MW25-04-04 Lab-Dup**	**RDL**	**QC Batch**
Toluene	ug/g	<0.020	0.020	A079189	<0.020	0.020	A079189
1,1,1-Trichloroethane	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
1,1,2-Trichloroethane	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Trichloroethylene	ug/g	<0.010	0.010	A079189	<0.010	0.010	A079189
Trichlorofluoromethane (FREON 11)	ug/g	<0.040	0.040	A079189	<0.040	0.040	A079189
Vinyl Chloride	ug/g	<0.019	0.019	A079189	<0.019	0.019	A079189
p+m-Xylene	ug/g	<0.020	0.020	A079189	<0.020	0.020	A079189
o-Xylene	ug/g	<0.020	0.020	A079189	<0.020	0.020	A079189
Total Xylenes	ug/g	<0.020	0.020	A079189	<0.020	0.020	A079189
F1 (C6-C10)	ug/g	<10	10	A079189	<10	10	A079189
F1 (C6-C10) - BTEX	ug/g	<10	10	A079189	<10	10	A079189
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	7.0	A080844			
F3 (C16-C34 Hydrocarbons)	ug/g	<50	50	A080844			
F4 (C34-C50 Hydrocarbons)	ug/g	<50	50	A080844			
Reached Baseline at C50	ug/g	Yes		A080844			
Surrogate Recovery (%)							
o-Terphenyl	%	104		A080844			
4-Bromofluorobenzene	%	100		A079189	101		A079189
D10-o-Xylene	%	116		A079189	99		A079189
D4-1,2-Dichloroethane	%	115		A079189	135		A079189
D8-Toluene	%	91		A079189	88		A079189

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

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AYOK66	AYOK67	AYOK68	AYOK69		
Sampling Date		2025/12/16 13:05	2025/12/16 14:00	2025/12/16 11:00	2025/12/17 13:05		
COC Number		C#1075663-01-01	C#1075663-01-01	C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-01-02**	**MW25-02-03**	**BH25-03-03**	**MW25-01-06**	**RDL**	**QC Batch**
Calculated Parameters							
1,3-Dichloropropene (cis+trans)	ug/g	<0.050	<0.050	<0.050	<0.050	0.050	A077937
Volatile Organics							
Acetone (2-Propanone)	ug/g	<0.49	<0.49	<0.49	<0.49	0.49	A079189
Benzene	ug/g	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	A079189
Bromodichloromethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Bromoform	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Bromomethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Carbon Tetrachloride	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Chlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Chloroform	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Dibromochloromethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,2-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,3-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,4-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Dichlorodifluoromethane (FREON 12)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,1-Dichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,2-Dichloroethane	ug/g	<0.049	<0.049	<0.049	<0.049	0.049	A079189
1,1-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
cis-1,2-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
trans-1,2-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,2-Dichloropropane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
cis-1,3-Dichloropropene	ug/g	<0.030	<0.030	<0.030	<0.030	0.030	A079189
trans-1,3-Dichloropropene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Ethylbenzene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	A079189
Ethylene Dibromide	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Hexane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Methylene Chloride(Dichloromethane)	ug/g	<0.049	<0.049	<0.049	<0.049	0.049	A079189
Methyl Ethyl Ketone (2-Butanone)	ug/g	<0.40	<0.40	<0.40	<0.40	0.40	A079189
Methyl Isobutyl Ketone	ug/g	<0.40	<0.40	<0.40	<0.40	0.40	A079189
Methyl t-butyl ether (MTBE)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Styrene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,1,1,2-Tetrachloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,1,2,2-Tetrachloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Tetrachloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	A079189

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AYOK66	AYOK67	AYOK68	AYOK69		
Sampling Date		2025/12/16 13:05	2025/12/16 14:00	2025/12/16 11:00	2025/12/17 13:05		
COC Number		C#1075663-01-01	C#1075663-01-01	C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-01-02**	**MW25-02-03**	**BH25-03-03**	**MW25-01-06**	**RDL**	**QC Batch**
1,1,1-Trichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,1,2-Trichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Trichloroethylene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	A079189
Trichlorofluoromethane (FREON 11)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Vinyl Chloride	ug/g	<0.019	<0.019	<0.019	<0.019	0.019	A079189
p+m-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	A079189
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	A079189
Total Xylenes	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	A079189
F1 (C6-C10)	ug/g	<10	<10	<10	<10	10	A079189
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	10	A079189
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	<7.0	<7.0	<7.0	7.0	A080844
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	A080844
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	A080844
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes		A080844
Surrogate Recovery (%)							
o-Terphenyl	%	101	102	100	100		A080844
4-Bromofluorobenzene	%	101	101	93	101		A079189
D10-o-Xylene	%	104	100	107	106		A079189
D4-1,2-Dichloroethane	%	124	120	82	123		A079189
D8-Toluene	%	90	91	105	91		A079189

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AYOK70	AYOK71	AYOK72	AYOK73		
Sampling Date		2025/12/17 10:00	2025/12/17 14:00	2025/12/18 14:00	2025/12/18 14:00		
COC Number		C#1075663-01-01	C#1075663-01-01	C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-04-07**	**MW25-02-07**	**BH25-03-06**	**DUP-1**	**RDL**	**QC Batch**
Calculated Parameters							
1,3-Dichloropropene (cis+trans)	ug/g	<0.050	<0.050	<0.050	<0.050	0.050	A077989
Volatile Organics							
Acetone (2-Propanone)	ug/g	<0.49	<0.49	<0.49	<0.49	0.49	A079189
Benzene	ug/g	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	A079189
Bromodichloromethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Bromoform	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Bromomethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Carbon Tetrachloride	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Chlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Chloroform	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Dibromochloromethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,2-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,3-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,4-Dichlorobenzene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Dichlorodifluoromethane (FREON 12)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,1-Dichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,2-Dichloroethane	ug/g	<0.049	<0.049	<0.049	<0.049	0.049	A079189
1,1-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
cis-1,2-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
trans-1,2-Dichloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,2-Dichloropropane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
cis-1,3-Dichloropropene	ug/g	<0.030	<0.030	<0.030	<0.030	0.030	A079189
trans-1,3-Dichloropropene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Ethylbenzene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	A079189
Ethylene Dibromide	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Hexane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Methylene Chloride(Dichloromethane)	ug/g	<0.049	<0.049	<0.049	<0.049	0.049	A079189
Methyl Ethyl Ketone (2-Butanone)	ug/g	<0.40	<0.40	<0.40	<0.40	0.40	A079189
Methyl Isobutyl Ketone	ug/g	<0.40	<0.40	<0.40	<0.40	0.40	A079189
Methyl t-butyl ether (MTBE)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Styrene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,1,1,2-Tetrachloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,1,2,2-Tetrachloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Tetrachloroethylene	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Toluene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	A079189

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		AYOK70	AYOK71	AYOK72	AYOK73		
Sampling Date		2025/12/17 10:00	2025/12/17 14:00	2025/12/18 14:00	2025/12/18 14:00		
COC Number		C#1075663-01-01	C#1075663-01-01	C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-04-07**	**MW25-02-07**	**BH25-03-06**	**DUP-1**	**RDL**	**QC Batch**
1,1,1-Trichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
1,1,2-Trichloroethane	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Trichloroethylene	ug/g	<0.010	<0.010	<0.010	<0.010	0.010	A079189
Trichlorofluoromethane (FREON 11)	ug/g	<0.040	<0.040	<0.040	<0.040	0.040	A079189
Vinyl Chloride	ug/g	<0.019	<0.019	<0.019	<0.019	0.019	A079189
p+m-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	A079189
o-Xylene	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	A079189
Total Xylenes	ug/g	<0.020	<0.020	<0.020	<0.020	0.020	A079189
F1 (C6-C10)	ug/g	<10	<10	<10	<10	10	A079189
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	<10	10	A079189
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	<7.0	<7.0	<7.0	<7.0	7.0	A080844
F3 (C16-C34 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	A080844
F4 (C34-C50 Hydrocarbons)	ug/g	<50	<50	<50	<50	50	A080844
Reached Baseline at C50	ug/g	Yes	Yes	Yes	Yes		A080844
Surrogate Recovery (%)							
o-Terphenyl	%	87	102	101	103		A080844
4-Bromofluorobenzene	%	101	101	101	100		A079189
D10-o-Xylene	%	101	97	105	104		A079189
D4-1,2-Dichloroethane	%	117	121	126	122		A079189
D8-Toluene	%	91	91	91	89		A079189

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 SEMIVOLATILES PACKAGE (SOIL)

Bureau Veritas ID		AYOK65			AYOK65			AYOK66		
Sampling Date		2025/12/16 10:00			2025/12/16 10:00			2025/12/16 13:05		
COC Number		C#1075663-01-01			C#1075663-01-01			C#1075663-01-01		
	UNITS	**MW25-04-04**	**RDL**	**QC Batch**	**MW25-04-04 Lab-Dup**	**RDL**	**QC Batch**	**MW25-01-02**	**RDL**	**QC Batch**
Semivolatile Organics										
1,2,4-Trichlorobenzene	ug/g	<0.05	0.05	A081298	<0.05	0.05	A081298	<0.05	0.05	A081298
1-Methylnaphthalene	ug/g	<0.03	0.03	A081298	<0.03	0.03	A081298	<0.03	0.03	A081298
2,4,5-Trichlorophenol	ug/g	<0.08	0.08	A081298	<0.08	0.08	A081298	<0.08	0.08	A081298
2,4,6-Trichlorophenol	ug/g	<0.1	0.1	A081298	<0.1	0.1	A081298	<0.1	0.1	A081298
2,4-Dichlorophenol	ug/g	<0.1	0.1	A081298	<0.1	0.1	A081298	<0.1	0.1	A081298
2,4-Dimethylphenol	ug/g	<0.2	0.2	A081298	<0.2	0.2	A081298	<0.2	0.2	A081298
2,4-Dinitrophenol	ug/g	<0.5	0.5	A081298	<0.5	0.5	A081298	<0.5	0.5	A081298
2,4-Dinitrotoluene	ug/g	<0.1	0.1	A081298	<0.1	0.1	A081298	<0.1	0.1	A081298
2,6-Dinitrotoluene	ug/g	<0.1	0.1	A081298	<0.1	0.1	A081298	<0.1	0.1	A081298
2-Chlorophenol	ug/g	<0.08	0.08	A081298	<0.08	0.08	A081298	<0.08	0.08	A081298
2-Methylnaphthalene	ug/g	<0.03	0.03	A081298	<0.03	0.03	A081298	<0.03	0.03	A081298
3,3'-Dichlorobenzidine	ug/g	<0.5	0.5	A081298	<0.5	0.5	A081298	<0.5	0.5	A081298
Acenaphthene	ug/g	<0.03	0.03	A081298	<0.03	0.03	A081298	<0.03	0.03	A081298
Acenaphthylene	ug/g	<0.05	0.05	A081298	<0.05	0.05	A081298	<0.05	0.05	A081298
Anthracene	ug/g	<0.03	0.03	A081298	<0.03	0.03	A081298	<0.03	0.03	A081298
Benzo(a)anthracene	ug/g	<0.05	0.05	A081298	<0.05	0.05	A081298	<0.05	0.05	A081298
Benzo(a)pyrene	ug/g	<0.05	0.05	A081298	<0.05	0.05	A081298	<0.05	0.05	A081298
Benzo(b/j)fluoranthene	ug/g	<0.1	0.1	A081298	<0.1	0.1	A081298	<0.1	0.1	A081298
Benzo(g,h,i)perylene	ug/g	<0.1	0.1	A081298	<0.1	0.1	A081298	<0.1	0.1	A081298
Benzo(k)fluoranthene	ug/g	<0.03	0.03	A081298	<0.03	0.03	A081298	<0.03	0.03	A081298
Biphenyl	ug/g	<0.05	0.05	A081298	<0.05	0.05	A081298	<0.05	0.05	A081298
Bis(2-chloroethyl)ether	ug/g	<0.2	0.2	A081298	<0.2	0.2	A081298	<0.2	0.2	A081298
Bis(2-chloroisopropyl)ether	ug/g	<0.1	0.1	A081298	<0.1	0.1	A081298	<0.1	0.1	A081298
Bis(2-ethylhexyl)phthalate	ug/g	<1	1	A081298	<1	1	A081298	<1	1	A081298
Chrysene	ug/g	<0.05	0.05	A081298	<0.05	0.05	A081298	<0.05	0.05	A081298
Dibenzo(a,h)anthracene	ug/g	<0.05	0.05	A081298	<0.05	0.05	A081298	<0.05	0.05	A081298
Diethyl phthalate	ug/g	<0.2	0.2	A081298	<0.2	0.2	A081298	<0.2	0.2	A081298
Dimethyl phthalate	ug/g	<0.2	0.2	A081298	<0.2	0.2	A081298	<0.2	0.2	A081298
Fluoranthene	ug/g	<0.05	0.05	A081298	<0.05	0.05	A081298	<0.05	0.05	A081298
Fluorene	ug/g	<0.03	0.03	A081298	<0.03	0.03	A081298	<0.03	0.03	A081298
Indeno(1,2,3-cd)pyrene	ug/g	<0.08	0.08	A081298	<0.08	0.08	A081298	<0.08	0.08	A081298
Naphthalene	ug/g	<0.03	0.03	A081298	<0.03	0.03	A081298	<0.03	0.03	A081298
p-Chloroaniline	ug/g	<0.2	0.2	A081298	<0.2	0.2	A081298	<0.2	0.2	A081298
Pentachlorophenol	ug/g	<0.1	0.1	A081298	<0.1	0.1	A081298	<0.1	0.1	A081298

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

O.REG 153 SEMIVOLATILES PACKAGE (SOIL)

Bureau Veritas ID		AYOK65			AYOK65			AYOK66		
Sampling Date		2025/12/16 10:00			2025/12/16 10:00			2025/12/16 13:05		
COC Number		C#1075663-01-01			C#1075663-01-01			C#1075663-01-01		
	UNITS	**MW25-04-04**	**RDL**	**QC Batch**	**MW25-04-04 Lab-Dup**	**RDL**	**QC Batch**	**MW25-01-02**	**RDL**	**QC Batch**
Phenanthrene	ug/g	<0.05	0.05	A081298	<0.05	0.05	A081298	<0.05	0.05	A081298
Phenol	ug/g	<0.09	0.09	A081298	<0.09	0.09	A081298	<0.09	0.09	A081298
Pyrene	ug/g	<0.05	0.05	A081298	<0.05	0.05	A081298	<0.05	0.05	A081298
Calculated Parameters										
2,4- & 2,6-Dinitrotoluene	ug/g	<0.14	0.14	A077881				<0.14	0.14	A077881
Methylnaphthalene, 2-(1-)	ug/g	<0.042	0.042	A077939				<0.042	0.042	A077939
Surrogate Recovery (%)										
2,4,6-Tribromophenol	%	64		A081298	70		A081298	68		A081298
2-Fluorobiphenyl	%	54		A081298	64		A081298	65		A081298
D14-Terphenyl (FS)	%	89		A081298	86		A081298	84		A081298
D5-Nitrobenzene	%	62		A081298	72		A081298	71		A081298

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

O.REG 153 SEMIVOLATILES PACKAGE (SOIL)

Bureau Veritas ID		AYOK67		AYOK68		AYOK69	AYOK70		
Sampling Date		2025/12/16 14:00		2025/12/16 11:00		2025/12/17 13:05	2025/12/17 10:00		
COC Number		C#1075663-01-01		C#1075663-01-01		C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-02-03**	**RDL**	**BH25-03-03**	**RDL**	**MW25-01-06**	**MW25-04-07**	**RDL**	**QC Batch**
Semivolatile Organics									
1,2,4-Trichlorobenzene	ug/g	<0.05	0.05	<0.1	0.1	<0.05	<0.05	0.05	A081298
1-Methylnaphthalene	ug/g	<0.03	0.03	<0.06	0.06	<0.03	<0.03	0.03	A081298
2,4,5-Trichlorophenol	ug/g	<0.08	0.08	<0.2	0.2	<0.08	<0.08	0.08	A081298
2,4,6-Trichlorophenol	ug/g	<0.1	0.1	<0.2	0.2	<0.1	<0.1	0.1	A081298
2,4-Dichlorophenol	ug/g	<0.1	0.1	<0.2	0.2	<0.1	<0.1	0.1	A081298
2,4-Dimethylphenol	ug/g	<0.2	0.2	<0.4	0.4	<0.2	<0.2	0.2	A081298
2,4-Dinitrophenol	ug/g	<0.5	0.5	<1	1	<0.5	<0.5	0.5	A081298
2,4-Dinitrotoluene	ug/g	<0.1	0.1	<0.2	0.2	<0.1	<0.1	0.1	A081298
2,6-Dinitrotoluene	ug/g	<0.1	0.1	<0.2	0.2	<0.1	<0.1	0.1	A081298
2-Chlorophenol	ug/g	<0.08	0.08	<0.2	0.2	<0.08	<0.08	0.08	A081298
2-Methylnaphthalene	ug/g	<0.03	0.03	<0.06	0.06	<0.03	<0.03	0.03	A081298
3,3'-Dichlorobenzidine	ug/g	<0.5	0.5	<1	1	<0.5	<0.5	0.5	A081298
Acenaphthene	ug/g	<0.03	0.03	<0.06	0.06	<0.03	<0.03	0.03	A081298
Acenaphthylene	ug/g	<0.05	0.05	<0.1	0.1	<0.05	<0.05	0.05	A081298
Anthracene	ug/g	<0.03	0.03	<0.06	0.06	<0.03	<0.03	0.03	A081298
Benzo(a)anthracene	ug/g	<0.05	0.05	<0.1	0.1	<0.05	<0.05	0.05	A081298
Benzo(a)pyrene	ug/g	<0.05	0.05	<0.1	0.1	<0.05	<0.05	0.05	A081298
Benzo(b/j)fluoranthene	ug/g	<0.1	0.1	<0.2	0.2	<0.1	<0.1	0.1	A081298
Benzo(g,h,i)perylene	ug/g	<0.1	0.1	<0.2	0.2	<0.1	<0.1	0.1	A081298
Benzo(k)fluoranthene	ug/g	<0.03	0.03	<0.06	0.06	<0.03	<0.03	0.03	A081298
Biphenyl	ug/g	<0.05	0.05	<0.1	0.1	<0.05	<0.05	0.05	A081298
Bis(2-chloroethyl)ether	ug/g	<0.2	0.2	<0.4	0.4	<0.2	<0.2	0.2	A081298
Bis(2-chloroisopropyl)ether	ug/g	<0.1	0.1	<0.2	0.2	<0.1	<0.1	0.1	A081298
Bis(2-ethylhexyl)phthalate	ug/g	<1	1	<2	2	<1	<1	1	A081298
Chrysene	ug/g	<0.05	0.05	<0.1	0.1	<0.05	<0.05	0.05	A081298
Dibenzo(a,h)anthracene	ug/g	<0.05	0.05	<0.1	0.1	<0.05	<0.05	0.05	A081298
Diethyl phthalate	ug/g	<0.2	0.2	<0.4	0.4	<0.2	<0.2	0.2	A081298
Dimethyl phthalate	ug/g	<0.2	0.2	<0.4	0.4	<0.2	<0.2	0.2	A081298
Fluoranthene	ug/g	<0.05	0.05	<0.1	0.1	<0.05	<0.05	0.05	A081298
Fluorene	ug/g	<0.03	0.03	<0.06	0.06	<0.03	<0.03	0.03	A081298
Indeno(1,2,3-cd)pyrene	ug/g	<0.08	0.08	<0.2	0.2	<0.08	<0.08	0.08	A081298
Naphthalene	ug/g	<0.03	0.03	<0.06	0.06	<0.03	<0.03	0.03	A081298
p-Chloroaniline	ug/g	<0.2	0.2	<0.4	0.4	<0.2	<0.2	0.2	A081298
Pentachlorophenol	ug/g	<0.1	0.1	<0.2	0.2	<0.1	<0.1	0.1	A081298
Phenanthrene	ug/g	<0.05	0.05	<0.1	0.1	<0.05	<0.05	0.05	A081298

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 SEMIVOLATILES PACKAGE (SOIL)

Bureau Veritas ID		AYOK67		AYOK68		AYOK69	AYOK70		
Sampling Date		2025/12/16 14:00		2025/12/16 11:00		2025/12/17 13:05	2025/12/17 10:00		
COC Number		C#1075663-01-01		C#1075663-01-01		C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-02-03**	**RDL**	**BH25-03-03**	**RDL**	**MW25-01-06**	**MW25-04-07**	**RDL**	**QC Batch**
Phenol	ug/g	<0.09	0.09	<0.2	0.2	<0.09	<0.09	0.09	A081298
Pyrene	ug/g	<0.05	0.05	<0.1	0.1	<0.05	<0.05	0.05	A081298
Calculated Parameters									
2,4- & 2,6-Dinitrotoluene	ug/g	<0.14	0.14	<0.28	0.28	<0.14	<0.14	0.14	A077881
Methylnaphthalene, 2-(1-)	ug/g	<0.042	0.042	<0.085	0.085	<0.042	<0.042	0.042	A077939
Surrogate Recovery (%)									
2,4,6-Tribromophenol	%	68		76		63	59		A081298
2-Fluorobiphenyl	%	61		55		58	51		A081298
D14-Terphenyl (FS)	%	86		90		88	84		A081298
D5-Nitrobenzene	%	68		67		63	63		A081298

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 SEMIVOLATILES PACKAGE (SOIL)

Bureau Veritas ID		AYOK71	AYOK72	AYOK73		
Sampling Date		2025/12/17 14:00	2025/12/18 14:00	2025/12/18 14:00		
COC Number		C#1075663-01-01	C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-02-07**	**BH25-03-06**	**DUP-1**	**RDL**	**QC Batch**
Semivolatile Organics						
1,2,4-Trichlorobenzene	ug/g	<0.05	<0.05	<0.05	0.05	A081298
1-Methylnaphthalene	ug/g	<0.03	<0.03	<0.03	0.03	A081298
2,4,5-Trichlorophenol	ug/g	<0.08	<0.08	<0.08	0.08	A081298
2,4,6-Trichlorophenol	ug/g	<0.1	<0.1	<0.1	0.1	A081298
2,4-Dichlorophenol	ug/g	<0.1	<0.1	<0.1	0.1	A081298
2,4-Dimethylphenol	ug/g	<0.2	<0.2	<0.2	0.2	A081298
2,4-Dinitrophenol	ug/g	<0.5	<0.5	<0.5	0.5	A081298
2,4-Dinitrotoluene	ug/g	<0.1	<0.1	<0.1	0.1	A081298
2,6-Dinitrotoluene	ug/g	<0.1	<0.1	<0.1	0.1	A081298
2-Chlorophenol	ug/g	<0.08	<0.08	<0.08	0.08	A081298
2-Methylnaphthalene	ug/g	<0.03	<0.03	<0.03	0.03	A081298
3,3'-Dichlorobenzidine	ug/g	<0.5	<0.5	<0.5	0.5	A081298
Acenaphthene	ug/g	<0.03	<0.03	<0.03	0.03	A081298
Acenaphthylene	ug/g	<0.05	<0.05	<0.05	0.05	A081298
Anthracene	ug/g	<0.03	<0.03	<0.03	0.03	A081298
Benzo(a)anthracene	ug/g	<0.05	<0.05	<0.05	0.05	A081298
Benzo(a)pyrene	ug/g	<0.05	<0.05	<0.05	0.05	A081298
Benzo(b/j)fluoranthene	ug/g	<0.1	<0.1	<0.1	0.1	A081298
Benzo(g,h,i)perylene	ug/g	<0.1	<0.1	<0.1	0.1	A081298
Benzo(k)fluoranthene	ug/g	<0.03	<0.03	<0.03	0.03	A081298
Biphenyl	ug/g	<0.05	<0.05	<0.05	0.05	A081298
Bis(2-chloroethyl)ether	ug/g	<0.2	<0.2	<0.2	0.2	A081298
Bis(2-chloroisopropyl)ether	ug/g	<0.1	<0.1	<0.1	0.1	A081298
Bis(2-ethylhexyl)phthalate	ug/g	<1	<1	<1	1	A081298
Chrysene	ug/g	<0.05	<0.05	<0.05	0.05	A081298
Dibenzo(a,h)anthracene	ug/g	<0.05	<0.05	<0.05	0.05	A081298
Diethyl phthalate	ug/g	<0.2	<0.2	<0.2	0.2	A081298
Dimethyl phthalate	ug/g	<0.2	<0.2	<0.2	0.2	A081298
Fluoranthene	ug/g	<0.05	<0.05	<0.05	0.05	A081298
Fluorene	ug/g	<0.03	<0.03	<0.03	0.03	A081298
Indeno(1,2,3-cd)pyrene	ug/g	<0.08	<0.08	<0.08	0.08	A081298
Naphthalene	ug/g	<0.03	<0.03	<0.03	0.03	A081298
p-Chloroaniline	ug/g	<0.2	<0.2	<0.2	0.2	A081298
Pentachlorophenol	ug/g	<0.1	<0.1	<0.1	0.1	A081298
Phenanthrene	ug/g	<0.05	<0.05	<0.05	0.05	A081298

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 SEMIVOLATILES PACKAGE (SOIL)

Bureau Veritas ID		AYOK71	AYOK72	AYOK73		
Sampling Date		2025/12/17 14:00	2025/12/18 14:00	2025/12/18 14:00		
COC Number		C#1075663-01-01	C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-02-07**	**BH25-03-06**	**DUP-1**	**RDL**	**QC Batch**
Phenol	ug/g	<0.09	<0.09	<0.09	0.09	A081298
Pyrene	ug/g	<0.05	<0.05	<0.05	0.05	A081298
Calculated Parameters						
2,4- & 2,6-Dinitrotoluene	ug/g	<0.14	<0.14	<0.14	0.14	A077881
Methylnaphthalene, 2-(1-)	ug/g	<0.042	<0.042	<0.042	0.042	A077939
Surrogate Recovery (%)						
2,4,6-Tribromophenol	%	56	62	65		A081298
2-Fluorobiphenyl	%	54	57	53		A081298
D14-Terphenyl (FS)	%	85	84	87		A081298
D5-Nitrobenzene	%	62	68	64		A081298

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		AYOK65			AYOK65			AYOK66		
Sampling Date		2025/12/16 10:00			2025/12/16 10:00			2025/12/16 13:05		
COC Number		C#1075663-01-01			C#1075663-01-01			C#1075663-01-01		
	UNITS	**MW25-04-04**	**RDL**	**QC Batch**	**MW25-04-04 Lab-Dup**	**RDL**	**QC Batch**	**MW25-01-02**	**RDL**	**QC Batch**
Inorganics										
Moisture	%	31	1.0	A079358				29	1.0	A079358
Phenols-4AAP	ug/g	<0.04	0.04	A080561	<0.04	0.04	A080561	<0.04	0.04	A080561
WAD Cyanide (Free)	ug/g	<0.01	0.01	A080520				<0.01	0.01	A080520

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

Bureau Veritas ID		AYOK66			AYOK67		AYOK68		
Sampling Date		2025/12/16 13:05			2025/12/16 14:00		2025/12/16 11:00		
COC Number		C#1075663-01-01			C#1075663-01-01		C#1075663-01-01		
	UNITS	**MW25-01-02 Lab-Dup**	**RDL**	**QC Batch**	**MW25-02-03**	**QC Batch**	**BH25-03-03**	**RDL**	**QC Batch**
Inorganics									
Moisture	%	29	1.0	A079358	33	A079358	39	1.0	A079358
Phenols-4AAP	ug/g				<0.04	A080561	<0.04	0.04	A080561
WAD Cyanide (Free)	ug/g				<0.01	A080530	<0.01	0.01	A080520

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

Bureau Veritas ID		AYOK69			AYOK70			AYOK71		
Sampling Date		2025/12/17 13:05			2025/12/17 10:00			2025/12/17 14:00		
COC Number		C#1075663-01-01			C#1075663-01-01			C#1075663-01-01		
	UNITS	**MW25-01-06**	**RDL**	**QC Batch**	**MW25-04-07**	**RDL**	**QC Batch**	**MW25-02-07**	**RDL**	**QC Batch**
Inorganics										
Moisture	%	31	1.0	A079358	35	1.0	A079358	32	1.0	A079358
Phenols-4AAP	ug/g	<0.04	0.04	A080561	<0.04	0.04	A080561	<0.04	0.04	A080561
WAD Cyanide (Free)	ug/g	<0.01	0.01	A080530	<0.01	0.01	A080520	<0.01	0.01	A080520
Miscellaneous Parameters										
Grain Size	%				FINE	N/A	A079208			
Sieve - #200 (<0.075mm)	%				96	1	A079208			
Sieve - #200 (>0.075mm)	%				4	1	A079208			

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

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		AYOK72	AYOK73		
Sampling Date		2025/12/18 14:00	2025/12/18 14:00		
COC Number		C#1075663-01-01	C#1075663-01-01		
	UNITS	**BH25-03-06**	**DUP-1**	**RDL**	**QC Batch**
Inorganics					
Moisture	%	32	27	1.0	A079358
Phenols-4AAP	ug/g	<0.04	<0.04	0.04	A080561
WAD Cyanide (Free)	ug/g	<0.01	<0.01	0.01	A080520

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

GLYCOLS BY GC-FID (SOIL)

Bureau Veritas ID		AYOK65	AYOK65	AYOK66	AYOK67		
Sampling Date		2025/12/16 10:00	2025/12/16 10:00	2025/12/16 13:05	2025/12/16 14:00		
COC Number		C#1075663-01-01	C#1075663-01-01	C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-04-04**	**MW25-04-04 Lab-Dup**	**MW25-01-02**	**MW25-02-03**	**RDL**	**QC Batch**
Glycols							
Propylene Glycol	mg/kg	<10	<10	<10	<10	10	A080046
Ethylene Glycol	mg/kg	<10	<10	<10	<10	10	A080046
Diethylene Glycol	mg/kg	<10	<10	<10	<10	10	A080046
Total Glycol	mg/kg	<10	<10	<10	<10	10	A080046

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

Bureau Veritas ID		AYOK68		AYOK69	AYOK70	AYOK71		
Sampling Date		2025/12/16 11:00		2025/12/17 13:05	2025/12/17 10:00	2025/12/17 14:00		
COC Number		C#1075663-01-01		C#1075663-01-01	C#1075663-01-01	C#1075663-01-01		
	UNITS	**BH25-03-03**	**RDL**	**MW25-01-06**	**MW25-04-07**	**MW25-02-07**	**RDL**	**QC Batch**
Glycols								
Propylene Glycol	mg/kg	<20	20	<10	<10	<10	10	A080046
Ethylene Glycol	mg/kg	<20	20	<10	<10	<10	10	A080046
Diethylene Glycol	mg/kg	<20	20	<10	<10	<10	10	A080046
Total Glycol	mg/kg	<20	20	<10	<10	<10	10	A080046

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AYOK72	AYOK73		
Sampling Date		2025/12/18 14:00	2025/12/18 14:00		
COC Number		C#1075663-01-01	C#1075663-01-01		
	UNITS	**BH25-03-06**	**DUP-1**	**RDL**	**QC Batch**
Glycols					
Propylene Glycol	mg/kg	<10	<10	10	A080046
Ethylene Glycol	mg/kg	<10	<10	10	A080046
Diethylene Glycol	mg/kg	<10	<10	10	A080046
Total Glycol	mg/kg	<10	<10	10	A080046

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		AYOK65	AYOK66	AYOK67	AYOK68		
Sampling Date		2025/12/16 10:00	2025/12/16 13:05	2025/12/16 14:00	2025/12/16 11:00		
COC Number		C#1075663-01-01	C#1075663-01-01	C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-04-04**	**MW25-01-02**	**MW25-02-03**	**BH25-03-03**	**RDL**	**QC Batch**
Metals							
Hot Water Ext. Boron (B)	ug/g	0.10	0.076	0.10	0.088	0.050	A080853
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	<0.20	<0.20	0.20	A080758
Acid Extractable Arsenic (As)	ug/g	1.7	3.0	2.4	1.1	1.0	A080758
Acid Extractable Iron (Fe)	ug/g	41000	40000	36000	40000	50	A080758
Acid Extractable Lead (Pb)	ug/g	7.9	7.5	18	7.2	1.0	A080758
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	<0.50	<0.50	0.50	A080758
Acid Extractable Zinc (Zn)	ug/g	100	100	96	110	5.0	A080758
Acid Extractable Mercury (Hg)	ug/g	<0.050	<0.050	<0.050	<0.050	0.050	A080758

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AYOK69	AYOK70	AYOK71	AYOK72		
Sampling Date		2025/12/17 13:05	2025/12/17 10:00	2025/12/17 14:00	2025/12/18 14:00		
COC Number		C#1075663-01-01	C#1075663-01-01	C#1075663-01-01	C#1075663-01-01		
	UNITS	**MW25-01-06**	**MW25-04-07**	**MW25-02-07**	**BH25-03-06**	**RDL**	**QC Batch**
Metals							
Hot Water Ext. Boron (B)	ug/g	0.52	0.23	0.53	0.21	0.050	A080853
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	<0.20	<0.20	0.20	A080758
Acid Extractable Arsenic (As)	ug/g	<1.0	<1.0	<1.0	<1.0	1.0	A080758
Acid Extractable Iron (Fe)	ug/g	36000	35000	35000	29000	50	A080758
Acid Extractable Lead (Pb)	ug/g	5.3	5.9	5.0	5.3	1.0	A080758
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	<0.50	<0.50	0.50	A080758
Acid Extractable Zinc (Zn)	ug/g	93	89	90	72	5.0	A080758
Acid Extractable Mercury (Hg)	ug/g	<0.050	<0.050	<0.050	<0.050	0.050	A080758

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		AYOK73		
Sampling Date		2025/12/18 14:00		
COC Number		C#1075663-01-01		
	UNITS	**DUP-1**	**RDL**	**QC Batch**
Metals				
Hot Water Ext. Boron (B)	ug/g	0.21	0.050	A080853
Acid Extractable Antimony (Sb)	ug/g	<0.20	0.20	A080758
Acid Extractable Arsenic (As)	ug/g	<1.0	1.0	A080758
Acid Extractable Iron (Fe)	ug/g	28000	50	A080758
Acid Extractable Lead (Pb)	ug/g	4.9	1.0	A080758
Acid Extractable Selenium (Se)	ug/g	<0.50	0.50	A080758
Acid Extractable Zinc (Zn)	ug/g	69	5.0	A080758
Acid Extractable Mercury (Hg)	ug/g	<0.050	0.050	A080758

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

TEST SUMMARY

Bureau Veritas ID: AYOK65 **Collected:** 2025/12/16
Sample ID: MW25-04-04 **Shipped:**
Matrix: Soil **Received:** 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A077939	N/A	2025/12/31	Automated Statchk
ABN Compounds in soil by GC/MS	GC/MS	A081298	2025/12/30	2025/12/30	Milijana Avramovic
Hot Water Extractable Boron	ICP	A080853	2025/12/29	2025/12/30	Maitri PATIL
1,3-Dichloropropene Sum	CALC	A077937	N/A	2025/12/29	Automated Statchk
Free (WAD) Cyanide	TECH	A080520	2025/12/29	2025/12/29	Prgya Panchal
Dinitrotoluene Sum	CALC	A077881	2025/12/31	2025/12/31	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A080844	2025/12/29	2025/12/29	Anna Stuglik-Rolland
Glycols in Soil by GC-FID	GC/FID	A080046	N/A	2025/12/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	A080758	2025/12/29	2025/12/29	Daniel Teclu
Moisture	BAL	A079358	N/A	2025/12/23	Min Yang
Polychlorinated Biphenyl in Soil	GC/ECD	A080025	2025/12/24	2025/12/24	Jean Colene Curitao
Phenols (4AAP)	TECH	A080561	2025/12/29	2025/12/30	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A079189	N/A	2025/12/24	Cheng-Yu Sha

Bureau Veritas ID: AYOK65 Dup **Collected:** 2025/12/16
Sample ID: MW25-04-04 **Shipped:**
Matrix: Soil **Received:** 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in soil by GC/MS	GC/MS	A081298	2025/12/30	2025/12/30	Milijana Avramovic
Glycols in Soil by GC-FID	GC/FID	A080046	N/A	2025/12/24	Mohammed Abdul Nafay Shoeb
Phenols (4AAP)	TECH	A080561	2025/12/29	2025/12/30	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A079189	N/A	2025/12/24	Cheng-Yu Sha

Bureau Veritas ID: AYOK66 **Collected:** 2025/12/16
Sample ID: MW25-01-02 **Shipped:**
Matrix: Soil **Received:** 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A077939	N/A	2025/12/31	Automated Statchk
ABN Compounds in soil by GC/MS	GC/MS	A081298	2025/12/30	2025/12/30	Milijana Avramovic
Hot Water Extractable Boron	ICP	A080853	2025/12/29	2025/12/30	Maitri PATIL
1,3-Dichloropropene Sum	CALC	A077937	N/A	2025/12/29	Automated Statchk
Free (WAD) Cyanide	TECH	A080520	2025/12/29	2025/12/29	Prgya Panchal
Dinitrotoluene Sum	CALC	A077881	2025/12/31	2025/12/31	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A080844	2025/12/29	2025/12/29	Anna Stuglik-Rolland
Glycols in Soil by GC-FID	GC/FID	A080046	N/A	2025/12/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	A080758	2025/12/29	2025/12/29	Daniel Teclu
Moisture	BAL	A079358	N/A	2025/12/23	Min Yang
Polychlorinated Biphenyl in Soil	GC/ECD	A080025	2025/12/24	2025/12/24	Jean Colene Curitao
Phenols (4AAP)	TECH	A080561	2025/12/29	2025/12/30	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A079189	N/A	2025/12/24	Cheng-Yu Sha

TEST SUMMARY

Bureau Veritas ID: AYOK66 Dup
Sample ID: MW25-01-02
Matrix: Soil

Collected: 2025/12/16
Shipped:
Received: 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	A079358	N/A	2025/12/23	Min Yang

Bureau Veritas ID: AYOK67
Sample ID: MW25-02-03
Matrix: Soil

Collected: 2025/12/16
Shipped:
Received: 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A077939	N/A	2025/12/31	Automated Statchk
ABN Compounds in soil by GC/MS	GC/MS	A081298	2025/12/30	2025/12/30	Milijana Avramovic
Hot Water Extractable Boron	ICP	A080853	2025/12/29	2025/12/30	Maitri PATIL
1,3-Dichloropropene Sum	CALC	A077937	N/A	2025/12/29	Automated Statchk
Free (WAD) Cyanide	TECH	A080530	2025/12/29	2025/12/29	Prgya Panchal
Dinitrotoluene Sum	CALC	A077881	2025/12/31	2025/12/31	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A080844	2025/12/29	2025/12/29	Anna Stuglik-Rolland
Glycols in Soil by GC-FID	GC/FID	A080046	N/A	2025/12/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	A080758	2025/12/29	2025/12/29	Daniel Teclu
Moisture	BAL	A079358	N/A	2025/12/23	Min Yang
Polychlorinated Biphenyl in Soil	GC/ECD	A080025	2025/12/24	2025/12/24	Jean Colene Curitao
Phenols (4AAP)	TECH	A080561	2025/12/29	2025/12/30	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A079189	N/A	2025/12/24	Cheng-Yu Sha

Bureau Veritas ID: AYOK68
Sample ID: BH25-03-03
Matrix: Soil

Collected: 2025/12/16
Shipped:
Received: 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A077939	N/A	2025/12/31	Automated Statchk
ABN Compounds in soil by GC/MS	GC/MS	A081298	2025/12/30	2025/12/30	Milijana Avramovic
Hot Water Extractable Boron	ICP	A080853	2025/12/29	2025/12/30	Maitri PATIL
1,3-Dichloropropene Sum	CALC	A077937	N/A	2025/12/30	Automated Statchk
Free (WAD) Cyanide	TECH	A080520	2025/12/29	2025/12/29	Prgya Panchal
Dinitrotoluene Sum	CALC	A077881	2025/12/31	2025/12/31	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A080844	2025/12/29	2025/12/29	Anna Stuglik-Rolland
Glycols in Soil by GC-FID	GC/FID	A080046	N/A	2025/12/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	A080758	2025/12/29	2025/12/29	Daniel Teclu
Moisture	BAL	A079358	N/A	2025/12/23	Min Yang
Polychlorinated Biphenyl in Soil	GC/ECD	A080025	2025/12/24	2025/12/24	Jean Colene Curitao
Phenols (4AAP)	TECH	A080561	2025/12/29	2025/12/30	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A079189	N/A	2025/12/30	Cheng-Yu Sha

Bureau Veritas ID: AYOK69
Sample ID: MW25-01-06
Matrix: Soil

Collected: 2025/12/17
Shipped:
Received: 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A077939	N/A	2025/12/31	Automated Statchk

TEST SUMMARY

Bureau Veritas ID: AYOK69
Sample ID: MW25-01-06
Matrix: Soil

Collected: 2025/12/17
Shipped:
Received: 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in soil by GC/MS	GC/MS	A081298	2025/12/30	2025/12/30	Milijana Avramovic
Hot Water Extractable Boron	ICP	A080853	2025/12/29	2025/12/30	Maitri PATIL
1,3-Dichloropropene Sum	CALC	A077937	N/A	2025/12/29	Automated Statchk
Free (WAD) Cyanide	TECH	A080530	2025/12/29	2025/12/29	Prgya Panchal
Dinitrotoluene Sum	CALC	A077881	2025/12/31	2025/12/31	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A080844	2025/12/29	2025/12/29	Anna Stuglik-Rolland
Glycols in Soil by GC-FID	GC/FID	A080046	N/A	2025/12/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	A080758	2025/12/29	2025/12/29	Daniel Teclu
Moisture	BAL	A079358	N/A	2025/12/23	Min Yang
Polychlorinated Biphenyl in Soil	GC/ECD	A080025	2025/12/24	2025/12/24	Jean Colene Curitao
Phenols (4AAP)	TECH	A080561	2025/12/29	2025/12/30	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A079189	N/A	2025/12/24	Cheng-Yu Sha

Bureau Veritas ID: AYOK70
Sample ID: MW25-04-07
Matrix: Soil

Collected: 2025/12/17
Shipped:
Received: 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A077939	N/A	2025/12/31	Automated Statchk
ABN Compounds in soil by GC/MS	GC/MS	A081298	2025/12/30	2025/12/31	Milijana Avramovic
Hot Water Extractable Boron	ICP	A080853	2025/12/29	2025/12/30	Maitri PATIL
1,3-Dichloropropene Sum	CALC	A077989	N/A	2025/12/29	Automated Statchk
Free (WAD) Cyanide	TECH	A080520	2025/12/29	2025/12/29	Prgya Panchal
Dinitrotoluene Sum	CALC	A077881	2025/12/31	2025/12/31	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A080844	2025/12/29	2025/12/29	Anna Stuglik-Rolland
Glycols in Soil by GC-FID	GC/FID	A080046	N/A	2025/12/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	A080758	2025/12/29	2025/12/29	Daniel Teclu
Moisture	BAL	A079358	N/A	2025/12/23	Min Yang
Polychlorinated Biphenyl in Soil	GC/ECD	A080025	2025/12/24	2025/12/24	Jean Colene Curitao
Phenols (4AAP)	TECH	A080561	2025/12/29	2025/12/30	Jency Sara Johnson
Sieve, 75um	SIEV	A079208	N/A	2025/12/23	Shivani Desai
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A079189	N/A	2025/12/24	Cheng-Yu Sha

Bureau Veritas ID: AYOK71
Sample ID: MW25-02-07
Matrix: Soil

Collected: 2025/12/17
Shipped:
Received: 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A077939	N/A	2025/12/31	Automated Statchk
ABN Compounds in soil by GC/MS	GC/MS	A081298	2025/12/30	2025/12/31	Milijana Avramovic
Hot Water Extractable Boron	ICP	A080853	2025/12/29	2025/12/30	Maitri PATIL
1,3-Dichloropropene Sum	CALC	A077989	N/A	2025/12/29	Automated Statchk
Free (WAD) Cyanide	TECH	A080520	2025/12/29	2025/12/29	Prgya Panchal
Dinitrotoluene Sum	CALC	A077881	2025/12/31	2025/12/31	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A080844	2025/12/29	2025/12/29	Anna Stuglik-Rolland
Glycols in Soil by GC-FID	GC/FID	A080046	N/A	2025/12/24	Mohammed Abdul Nafay Shoeb

TEST SUMMARY

Bureau Veritas ID: AYOK71 **Collected:** 2025/12/17
Sample ID: MW25-02-07 **Shipped:**
Matrix: Soil **Received:** 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	A080758	2025/12/29	2025/12/29	Daniel Teclu
Moisture	BAL	A079358	N/A	2025/12/23	Min Yang
Polychlorinated Biphenyl in Soil	GC/ECD	A080025	2025/12/24	2025/12/24	Jean Colene Curitao
Phenols (4AAP)	TECH	A080561	2025/12/29	2025/12/30	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A079189	N/A	2025/12/24	Cheng-Yu Sha

Bureau Veritas ID: AYOK72 **Collected:** 2025/12/18
Sample ID: BH25-03-06 **Shipped:**
Matrix: Soil **Received:** 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A077939	N/A	2025/12/31	Automated Statchk
ABN Compounds in soil by GC/MS	GC/MS	A081298	2025/12/30	2025/12/31	Milijana Avramovic
Hot Water Extractable Boron	ICP	A080853	2025/12/29	2025/12/30	Maitri PATIL
1,3-Dichloropropene Sum	CALC	A077989	N/A	2025/12/29	Automated Statchk
Free (WAD) Cyanide	TECH	A080520	2025/12/29	2025/12/29	Prgya Panchal
Dinitrotoluene Sum	CALC	A077881	2025/12/31	2025/12/31	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A080844	2025/12/29	2025/12/29	Anna Stuglik-Rolland
Glycols in Soil by GC-FID	GC/FID	A080046	N/A	2025/12/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	A080758	2025/12/29	2025/12/29	Daniel Teclu
Moisture	BAL	A079358	N/A	2025/12/23	Min Yang
Polychlorinated Biphenyl in Soil	GC/ECD	A080025	2025/12/24	2025/12/24	Jean Colene Curitao
Phenols (4AAP)	TECH	A080561	2025/12/29	2025/12/30	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A079189	N/A	2025/12/24	Cheng-Yu Sha

Bureau Veritas ID: AYOK73 **Collected:** 2025/12/18
Sample ID: DUP-1 **Shipped:**
Matrix: Soil **Received:** 2025/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A077939	N/A	2025/12/31	Automated Statchk
ABN Compounds in soil by GC/MS	GC/MS	A081298	2025/12/30	2025/12/31	Milijana Avramovic
Hot Water Extractable Boron	ICP	A080853	2025/12/29	2025/12/30	Maitri PATIL
1,3-Dichloropropene Sum	CALC	A077989	N/A	2025/12/29	Automated Statchk
Free (WAD) Cyanide	TECH	A080520	2025/12/29	2025/12/29	Prgya Panchal
Dinitrotoluene Sum	CALC	A077881	2025/12/31	2025/12/31	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	A080844	2025/12/29	2025/12/29	Anna Stuglik-Rolland
Glycols in Soil by GC-FID	GC/FID	A080046	N/A	2025/12/24	Mohammed Abdul Nafay Shoeb
Acid Extractable Metals by ICPMS	ICP/MS	A080758	2025/12/29	2025/12/29	Daniel Teclu
Moisture	BAL	A079358	N/A	2025/12/23	Min Yang
Polychlorinated Biphenyl in Soil	GC/ECD	A080025	2025/12/24	2025/12/24	Jean Colene Curitao
Phenols (4AAP)	TECH	A080561	2025/12/29	2025/12/30	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A079189	N/A	2025/12/24	Cheng-Yu Sha

GENERAL COMMENTS

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

Package 1	4.0°C

Sample AYOK68 [BH25-03-03] : Glycol Analysis: Detection limits were adjusted for high moisture content.

ABNSIM-S: Detection limits were adjusted for high moisture content.

Results relate only to the items tested.

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

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A079189	4-Bromofluorobenzene	2025/12/24	105	60 - 140	102	60 - 140	103	%				
A079189	D10-o-Xylene	2025/12/24	121	60 - 130	102	60 - 130	101	%				
A079189	D4-1,2-Dichloroethane	2025/12/24	121	60 - 140	114	60 - 140	118	%				
A079189	D8-Toluene	2025/12/24	97	60 - 140	98	60 - 140	93	%				
A080025	Decachlorobiphenyl	2025/12/24	96	60 - 130	103	60 - 130	98	%				
A080844	o-Terphenyl	2025/12/29	99	60 - 140	98	60 - 140	101	%				
A081298	2,4,6-Tribromophenol	2025/12/30	77	50 - 130	79	50 - 130	70	%				
A081298	2-Fluorobiphenyl	2025/12/30	69	50 - 130	73	50 - 130	77	%				
A081298	D14-Terphenyl (FS)	2025/12/30	83	50 - 130	85	50 - 130	87	%				
A081298	D5-Nitrobenzene	2025/12/30	72	50 - 130	76	50 - 130	81	%				
A079189	1,1,1,2-Tetrachloroethane	2025/12/24	116	60 - 140	100	60 - 130	<0.040	ug/g	NC	50		
A079189	1,1,1-Trichloroethane	2025/12/24	111	60 - 140	95	60 - 130	<0.040	ug/g	NC	50		
A079189	1,1,2,2-Tetrachloroethane	2025/12/24	103	60 - 140	91	60 - 130	<0.040	ug/g	NC	50		
A079189	1,1,2-Trichloroethane	2025/12/24	112	60 - 140	98	60 - 130	<0.040	ug/g	NC	50		
A079189	1,1-Dichloroethane	2025/12/24	104	60 - 140	89	60 - 130	<0.040	ug/g	NC	50		
A079189	1,1-Dichloroethylene	2025/12/24	110	60 - 140	93	60 - 130	<0.040	ug/g	NC	50		
A079189	1,2-Dichlorobenzene	2025/12/24	99	60 - 140	89	60 - 130	<0.040	ug/g	NC	50		
A079189	1,2-Dichloroethane	2025/12/24	126	60 - 140	109	60 - 130	<0.049	ug/g	NC	50		
A079189	1,2-Dichloropropane	2025/12/24	116	60 - 140	100	60 - 130	<0.040	ug/g	NC	50		
A079189	1,3-Dichlorobenzene	2025/12/24	105	60 - 140	94	60 - 130	<0.040	ug/g	NC	50		
A079189	1,4-Dichlorobenzene	2025/12/24	105	60 - 140	96	60 - 130	<0.040	ug/g	NC	50		
A079189	Acetone (2-Propanone)	2025/12/24	110	60 - 140	100	60 - 140	<0.49	ug/g	NC	50		
A079189	Benzene	2025/12/24	105	60 - 140	91	60 - 130	<0.0060	ug/g	NC	50		
A079189	Bromodichloromethane	2025/12/24	118	60 - 140	102	60 - 130	<0.040	ug/g	NC	50		
A079189	Bromoform	2025/12/24	119	60 - 140	104	60 - 130	<0.040	ug/g	NC	50		
A079189	Bromomethane	2025/12/24	104	60 - 140	89	60 - 140	<0.040	ug/g	NC	50		
A079189	Carbon Tetrachloride	2025/12/24	118	60 - 140	100	60 - 130	<0.040	ug/g	NC	50		
A079189	Chlorobenzene	2025/12/24	96	60 - 140	84	60 - 130	<0.040	ug/g	NC	50		
A079189	Chloroform	2025/12/24	121	60 - 140	103	60 - 130	<0.040	ug/g	NC	50		
A079189	cis-1,2-Dichloroethylene	2025/12/24	113	60 - 140	97	60 - 130	<0.040	ug/g	NC	50		
A079189	cis-1,3-Dichloropropene	2025/12/24	104	60 - 140	92	60 - 130	<0.030	ug/g	NC	50		
A079189	Dibromochloromethane	2025/12/24	116	60 - 140	101	60 - 130	<0.040	ug/g	NC	50		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A079189	Dichlorodifluoromethane (FREON 12)	2025/12/24	112	60 - 140	93	60 - 140	<0.040	ug/g	NC	50		
A079189	Ethylbenzene	2025/12/24	96	60 - 140	85	60 - 130	<0.010	ug/g	NC	50		
A079189	Ethylene Dibromide	2025/12/24	111	60 - 140	97	60 - 130	<0.040	ug/g	NC	50		
A079189	F1 (C6-C10) - BTEX	2025/12/24					<10	ug/g	NC	30		
A079189	F1 (C6-C10)	2025/12/24	97	60 - 140	93	80 - 120	<10	ug/g	NC	30		
A079189	Hexane	2025/12/24	118	60 - 140	98	60 - 130	<0.040	ug/g	NC	50		
A079189	Methyl Ethyl Ketone (2-Butanone)	2025/12/24	113	60 - 140	104	60 - 140	<0.40	ug/g	NC	50		
A079189	Methyl Isobutyl Ketone	2025/12/24	114	60 - 140	105	60 - 130	<0.40	ug/g	NC	50		
A079189	Methyl t-butyl ether (MTBE)	2025/12/24	111	60 - 140	100	60 - 130	<0.040	ug/g	NC	50		
A079189	Methylene Chloride(Dichloromethane)	2025/12/24	124	60 - 140	107	60 - 130	<0.049	ug/g	NC	50		
A079189	o-Xylene	2025/12/24	104	60 - 140	91	60 - 130	<0.020	ug/g	NC	50		
A079189	p+m-Xylene	2025/12/24	92	60 - 140	81	60 - 130	<0.020	ug/g	NC	50		
A079189	Styrene	2025/12/24	100	60 - 140	88	60 - 130	<0.040	ug/g	NC	50		
A079189	Tetrachloroethylene	2025/12/24	99	60 - 140	85	60 - 130	<0.040	ug/g	NC	50		
A079189	Toluene	2025/12/24	96	60 - 140	83	60 - 130	<0.020	ug/g	NC	50		
A079189	Total Xylenes	2025/12/24					<0.020	ug/g	NC	50		
A079189	trans-1,2-Dichloroethylene	2025/12/24	113	60 - 140	96	60 - 130	<0.040	ug/g	NC	50		
A079189	trans-1,3-Dichloropropene	2025/12/24	114	60 - 140	101	60 - 130	<0.040	ug/g	NC	50		
A079189	Trichloroethylene	2025/12/24	108	60 - 140	92	60 - 130	<0.010	ug/g	NC	50		
A079189	Trichlorofluoromethane (FREON 11)	2025/12/24	109	60 - 140	91	60 - 130	<0.040	ug/g	NC	50		
A079189	Vinyl Chloride	2025/12/24	95	60 - 140	81	60 - 130	<0.019	ug/g	NC	50		
A079208	Sieve - #200 (<0.075mm)	2025/12/23							4.3	20	55	53 - 58
A079208	Sieve - #200 (>0.075mm)	2025/12/23							0.19	20	45	42 - 47
A079358	Moisture	2025/12/23							1.4	20		
A080025	Aroclor 1242	2025/12/24					<0.010	ug/g	NC	50		
A080025	Aroclor 1248	2025/12/24					<0.010	ug/g	11	50		
A080025	Aroclor 1254	2025/12/24					<0.010	ug/g	NC	50		
A080025	Aroclor 1260	2025/12/24	100	30 - 130	103	30 - 130	<0.010	ug/g	NC	50		
A080025	Total PCB	2025/12/24	100	30 - 130	103	30 - 130	<0.010	ug/g	11	50		
A080046	Diethylene Glycol	2025/12/24	88	60 - 140	90	60 - 140	<10	mg/kg	NC	50		
A080046	Ethylene Glycol	2025/12/24	96	60 - 140	96	60 - 140	<10	mg/kg	NC	50		
A080046	Propylene Glycol	2025/12/24	97	60 - 140	96	60 - 140	<10	mg/kg	NC	50		

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A080046	Total Glycol	2025/12/24					<10	mg/kg	NC	50		
A080520	WAD Cyanide (Free)	2025/12/29	98	75 - 125	102	80 - 120	<0.01	ug/g	NC	35		
A080530	WAD Cyanide (Free)	2025/12/29	92	75 - 125	102	80 - 120	<0.01	ug/g	NC	35		
A080561	Phenols-4AAP	2025/12/30	97	75 - 125	96	80 - 120	<0.04	ug/g	NC	20		
A080758	Acid Extractable Antimony (Sb)	2025/12/29	105	75 - 125	114	80 - 120	<0.20	ug/g	NC	30		
A080758	Acid Extractable Arsenic (As)	2025/12/29	102	75 - 125	106	80 - 120	<1.0	ug/g	7.2	30		
A080758	Acid Extractable Iron (Fe)	2025/12/29	NC	75 - 125	107	80 - 120	<50	ug/g				
A080758	Acid Extractable Lead (Pb)	2025/12/29	96	75 - 125	105	80 - 120	<1.0	ug/g	2.5	30		
A080758	Acid Extractable Mercury (Hg)	2025/12/29	97	75 - 125	107	80 - 120	<0.050	ug/g	NC	30		
A080758	Acid Extractable Selenium (Se)	2025/12/29	99	75 - 125	109	80 - 120	<0.50	ug/g	NC	30		
A080758	Acid Extractable Zinc (Zn)	2025/12/29	NC	75 - 125	109	80 - 120	<5.0	ug/g	3.2	30		
A080844	F2 (C10-C16 Hydrocarbons)	2025/12/29	99	60 - 140	98	80 - 120	<7.0	ug/g	NC	30		
A080844	F3 (C16-C34 Hydrocarbons)	2025/12/29	103	60 - 140	103	80 - 120	<50	ug/g	NC	30		
A080844	F4 (C34-C50 Hydrocarbons)	2025/12/29	102	60 - 140	102	80 - 120	<50	ug/g	NC	30		
A080853	Hot Water Ext. Boron (B)	2025/12/30	102	75 - 125	98	75 - 125	<0.050	ug/g	1.0	40		
A081298	1,2,4-Trichlorobenzene	2025/12/30	66	50 - 130	86	50 - 130	<0.05	ug/g	NC	40		
A081298	1-Methylnaphthalene	2025/12/30	83	50 - 130	86	50 - 130	<0.03	ug/g	NC	40		
A081298	2,4,5-Trichlorophenol	2025/12/30	88	50 - 130	89	50 - 130	<0.08	ug/g	NC	40		
A081298	2,4,6-Trichlorophenol	2025/12/30	87	50 - 130	88	50 - 130	<0.1	ug/g	NC	40		
A081298	2,4-Dichlorophenol	2025/12/30	85	50 - 130	76	50 - 130	<0.1	ug/g	NC	40		
A081298	2,4-Dimethylphenol	2025/12/30	77	30 - 130	78	30 - 130	<0.2	ug/g	NC	40		
A081298	2,4-Dinitrophenol	2025/12/30	44	30 - 130	35	30 - 130	<0.5	ug/g	NC	40		
A081298	2,4-Dinitrotoluene	2025/12/30	82	50 - 130	87	50 - 130	<0.1	ug/g	NC	40		
A081298	2,6-Dinitrotoluene	2025/12/30	82	50 - 130	86	50 - 130	<0.1	ug/g	NC	40		
A081298	2-Chlorophenol	2025/12/30	86	50 - 130	85	50 - 130	<0.08	ug/g	NC	40		
A081298	2-Methylnaphthalene	2025/12/30	86	50 - 130	90	50 - 130	<0.03	ug/g	NC	40		
A081298	3,3'-Dichlorobenzidine	2025/12/30	94	30 - 130	18 (1)	30 - 130	<0.5	ug/g	NC	40		
A081298	Acenaphthene	2025/12/30	81	50 - 130	83	50 - 130	<0.03	ug/g	NC	40		
A081298	Acenaphthylene	2025/12/30	75	50 - 130	76	50 - 130	<0.05	ug/g	NC	40		
A081298	Anthracene	2025/12/30	83	50 - 130	86	50 - 130	<0.03	ug/g	NC	40		
A081298	Benzo(a)anthracene	2025/12/30	90	50 - 130	90	50 - 130	<0.05	ug/g	NC	40		
A081298	Benzo(a)pyrene	2025/12/30	91	50 - 130	94	50 - 130	<0.05	ug/g	NC	40		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A081298	Benzo(b/j)fluoranthene	2025/12/30	83	50 - 130	94	50 - 130	<0.1	ug/g	NC	40		
A081298	Benzo(g,h,i)perylene	2025/12/30	104	50 - 130	121	50 - 130	<0.1	ug/g	NC	40		
A081298	Benzo(k)fluoranthene	2025/12/30	89	50 - 130	98	50 - 130	<0.03	ug/g	NC	40		
A081298	Biphenyl	2025/12/30	74	50 - 130	76	50 - 130	<0.05	ug/g	NC	40		
A081298	Bis(2-chloroethyl)ether	2025/12/30	79	50 - 130	82	50 - 130	<0.2	ug/g	NC	40		
A081298	Bis(2-chloroisopropyl)ether	2025/12/30	69	50 - 130	73	50 - 130	<0.1	ug/g	NC	40		
A081298	Bis(2-ethylhexyl)phthalate	2025/12/30	95	50 - 130	96	50 - 130	<1	ug/g	NC	40		
A081298	Chrysene	2025/12/30	93	50 - 130	94	50 - 130	<0.05	ug/g	NC	40		
A081298	Dibenzo(a,h)anthracene	2025/12/30	104	50 - 130	122	50 - 130	<0.05	ug/g	NC	40		
A081298	Diethyl phthalate	2025/12/30	85	50 - 130	91	50 - 130	<0.2	ug/g	NC	40		
A081298	Dimethyl phthalate	2025/12/30	85	50 - 130	89	50 - 130	<0.2	ug/g	NC	40		
A081298	Fluoranthene	2025/12/30	94	50 - 130	97	50 - 130	<0.05	ug/g	NC	40		
A081298	Fluorene	2025/12/30	80	50 - 130	82	50 - 130	<0.03	ug/g	NC	40		
A081298	Indeno(1,2,3-cd)pyrene	2025/12/30	103	50 - 130	121	50 - 130	<0.08	ug/g	NC	40		
A081298	Naphthalene	2025/12/30	99	50 - 130	99	50 - 130	<0.03	ug/g	NC	40		
A081298	p-Chloroaniline	2025/12/30	60	30 - 130	31	30 - 130	<0.2	ug/g	NC	40		
A081298	Pentachlorophenol	2025/12/30	71	50 - 130	68	50 - 130	<0.1	ug/g	NC	40		
A081298	Phenanthrene	2025/12/30	82	50 - 130	84	50 - 130	<0.05	ug/g	NC	40		
A081298	Phenol	2025/12/30	86	30 - 130	86	30 - 130	<0.09	ug/g	NC	40		
A081298	Pyrene	2025/12/30	100	50 - 130	100	50 - 130	<0.05	ug/g	NC	40		

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

VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

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

C5G0524
2025/12/19 11:10

Page 1 of 1

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

Received in Ottawa

CHAIN OF CUSTODY RECORD

Invoice To:		Report To:		PROJECT INFORMATION:		Laboratory Use Only:	
Company:	#10988 ARCADIS Canada Inc	Company:		Quotation #:	C45635	Bureau Veritas Job #:	Bottle Order #: 1075663
Attention:	Accounts Payable Canada	Attention:	Lennart de Groot	P.O. #:			
Address:	500-333 Preston Street, Ottawa ON K1S 5N4	Address:		Project:	30298433-Task 05	COC #: C#1075663-01-01	Project Manager: Katherine Szozda
Tel:	(613) 721-0555 Fax: (613) 721-0029	Tel:	Fax:	Project Name:			
Email:	invoices_ca@arcadis.com	Email:	lennart.degroot@arcadis.com	Site #:			
				Sampled By:	Justin Cameron		

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

Regulation 153 (2011): ☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___

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

Special Instructions:

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

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

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

Regular (Standard) TAT: ☒
(will be applied if Rush TAT is not specified):
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___ ☐
Rush Confirmation Number: ___ *(call lab for #)*

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	O.Reg 153 VOCs by HS & F1-F4 (Soil)	O.Reg 153 Semivolatiles Package (Soil)	Phenols (4AAP)	Hot Water Extractable Boron	Glycols in Soil by GC-FID	Acid Extractable Metals (Zn, Pb, Hg, Fe, As, Sb & Se) by ICPMS	Free (WAD) Cyanide only	O.Reg 153 VOCs by HS & F1-F4 (Soil) RBS	O.Reg 153 Semivolatiles Package (Soil) GRAIN SIZE	pH CaCl2 EXTRACT & Cyanide	# of Bottles	Comments
1		MW25-04-04	2025/12/16	10:00	SOIL	X	X	X	X	X	X	X	X			5	
2		MW25-01-02	2025/12/16	13:05	SOIL	X	X	X	X	X	X	X	X			5	
3		MW25-02-03	2025/12/16	14:00	SOIL	X	X	X	X	X	X	X	X			5	
4		BH25-03-03	2025/12/16	11:00	SOIL	X	X	X	X	X	X	X	X			5	
5		MW25-01-06	2025/12/17	13:05	SOIL	X	X	X	X	X	X	X	X			5	
6		MW25-04-07	2025/12/17	10:00	SOIL	X	X	X	X	X	X	X	X	X		6	
7		MW25-02-07	2025/12/17	14:00	SOIL	X	X	X	X	X	X	X	X			5	
8		BH25-03-06	2025/12/18	14:00	SOIL	X	X	X	X	X	X	X	X			5	
9		DUP-1	2025/12/18	14:00	SOIL	X	X	X	X	X	X	X	X			5	
10					SOIL												

OTT-2025-12-128

* Relinquished By (Print):	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only: Time Sensitive	Temperature (°C) on Recei	Custody Seal Present	Yes	No
Justin Cameron	25/12/18	17:00	Pedro da Silva	2025/12/19	11:10			4/2/6 (icepack)	Intact	✓	

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

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

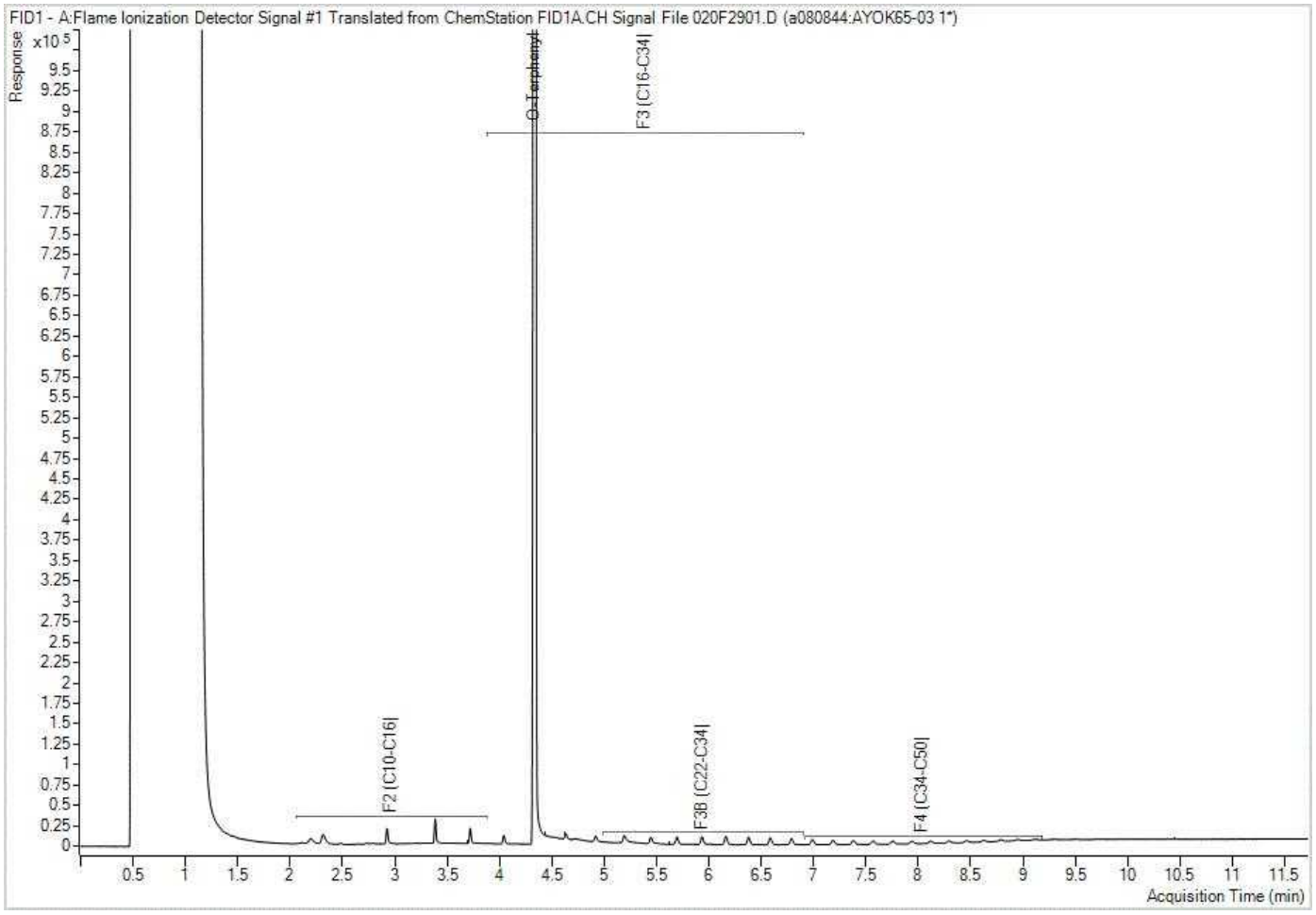
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/CHAIN-CUSTODY-FORMS-COCS.

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

White: Bureau Veritas Yellow: Client

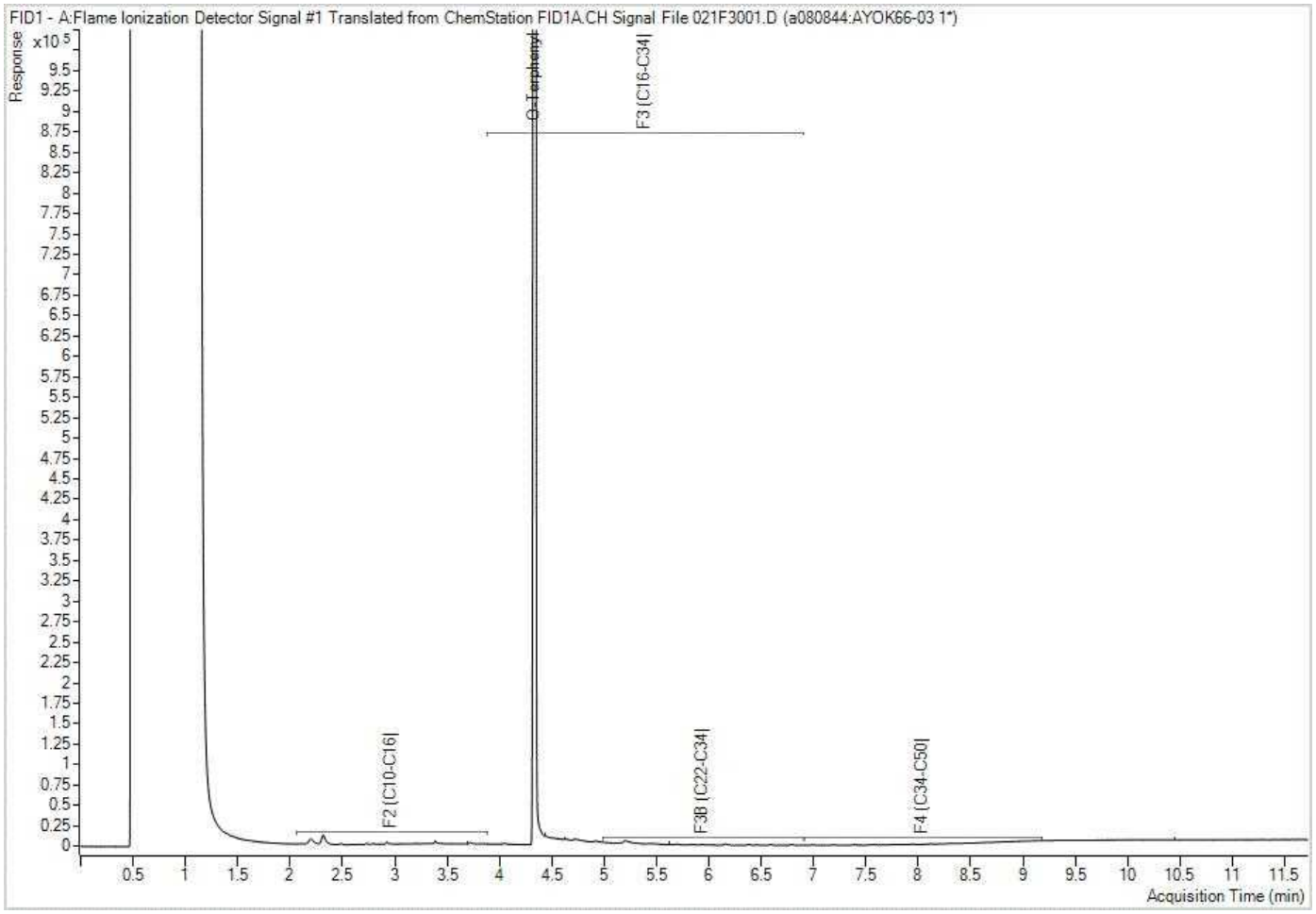
Bureau Veritas Canada (2019) Inc.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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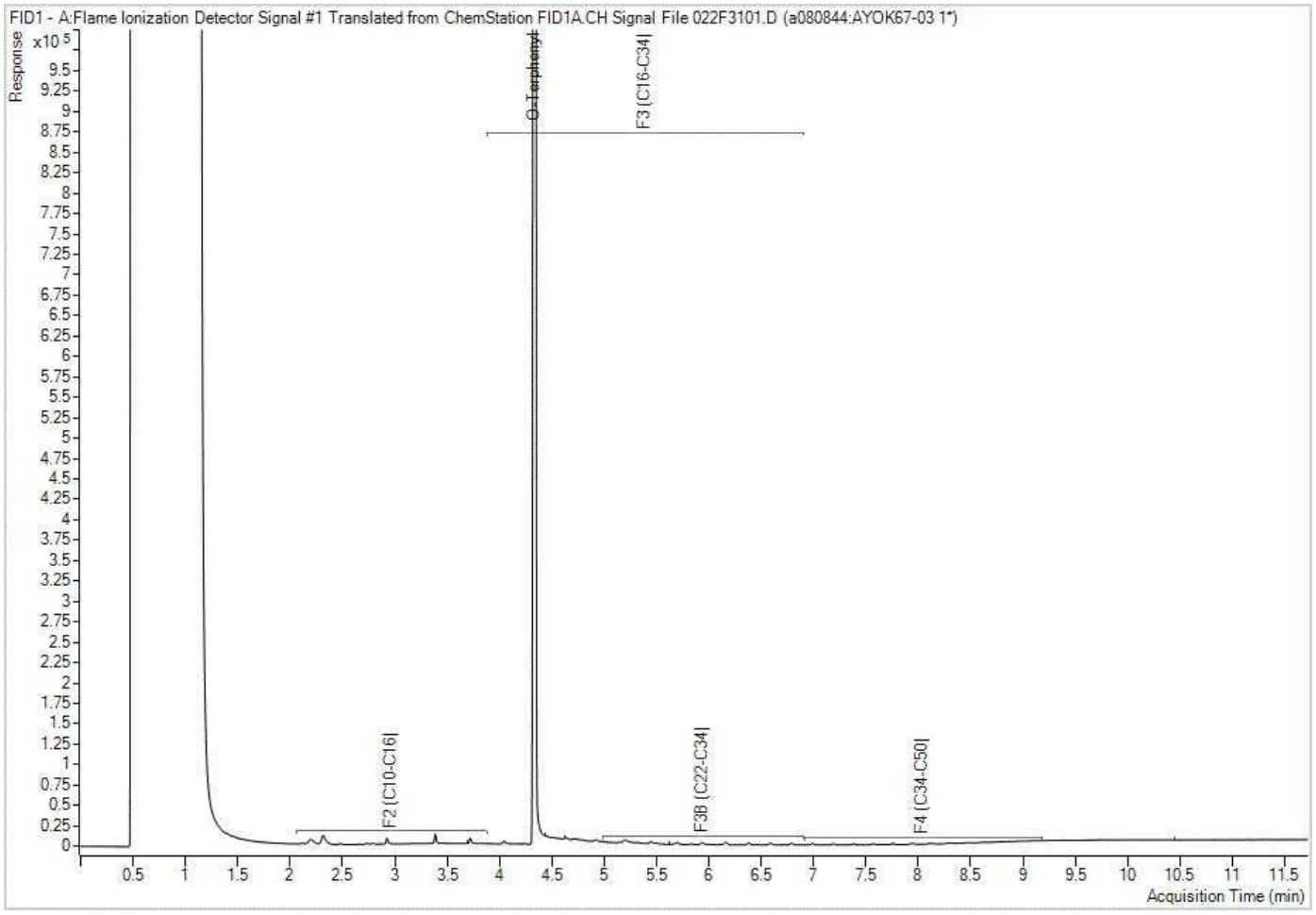
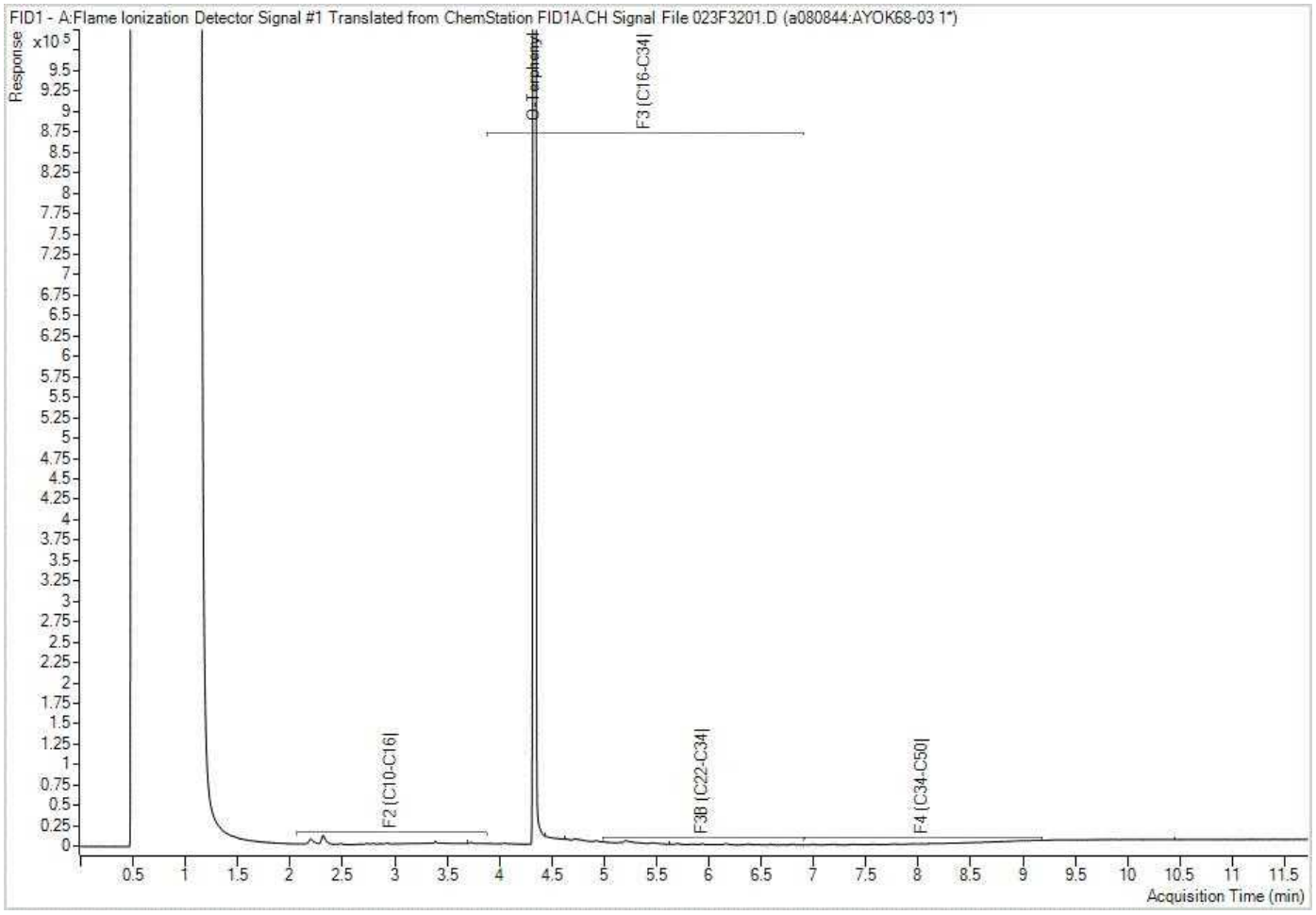
Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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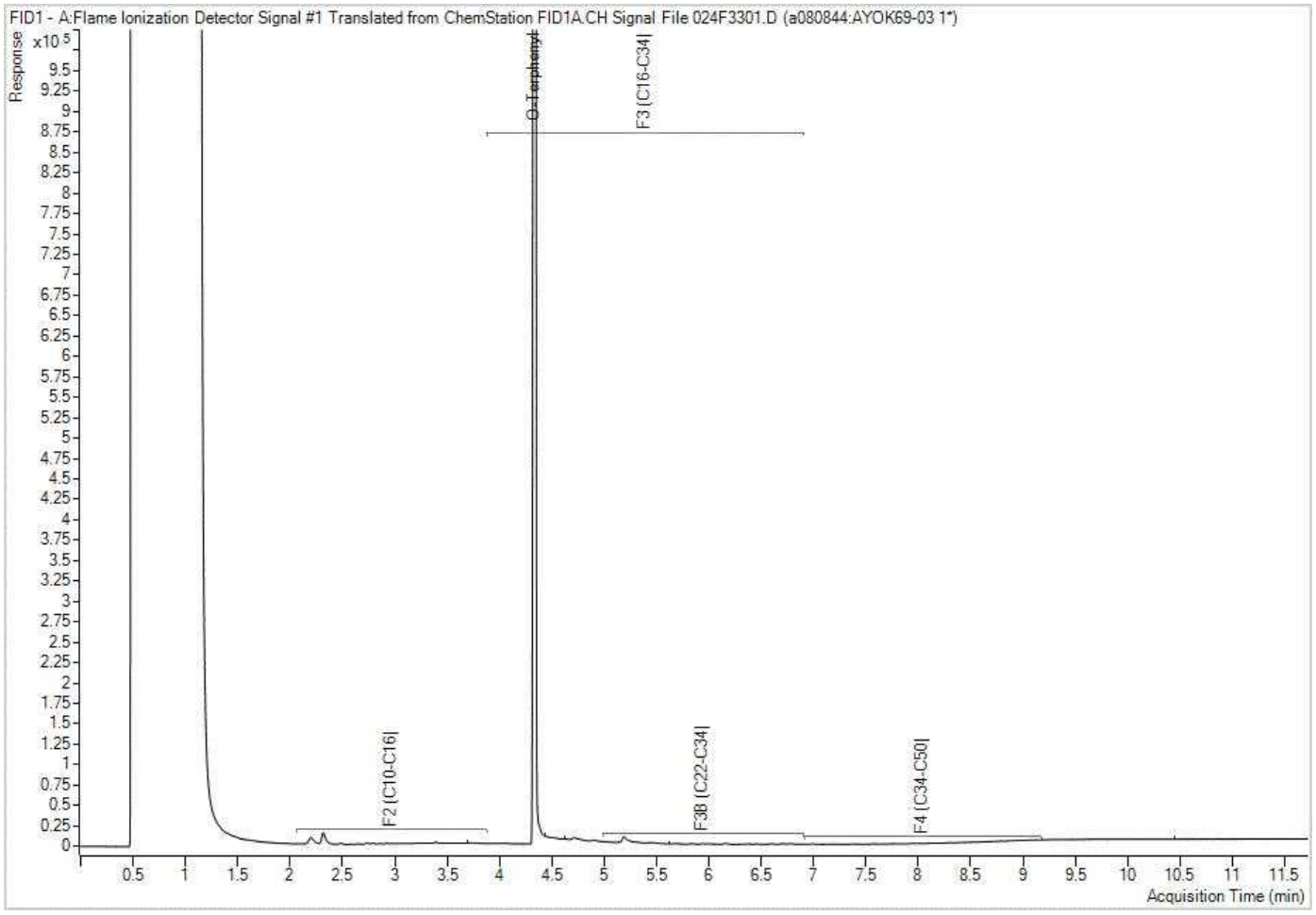
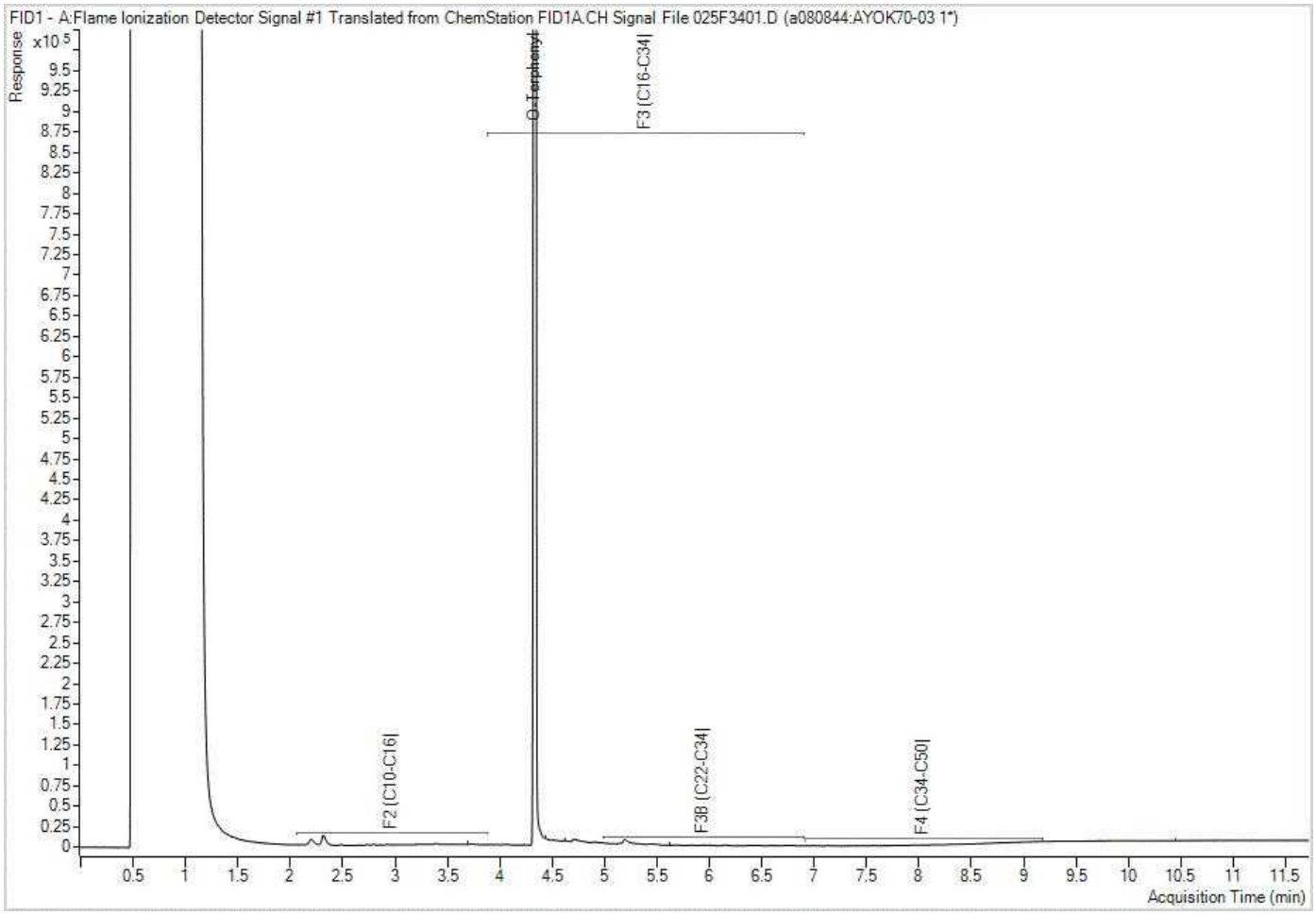
Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



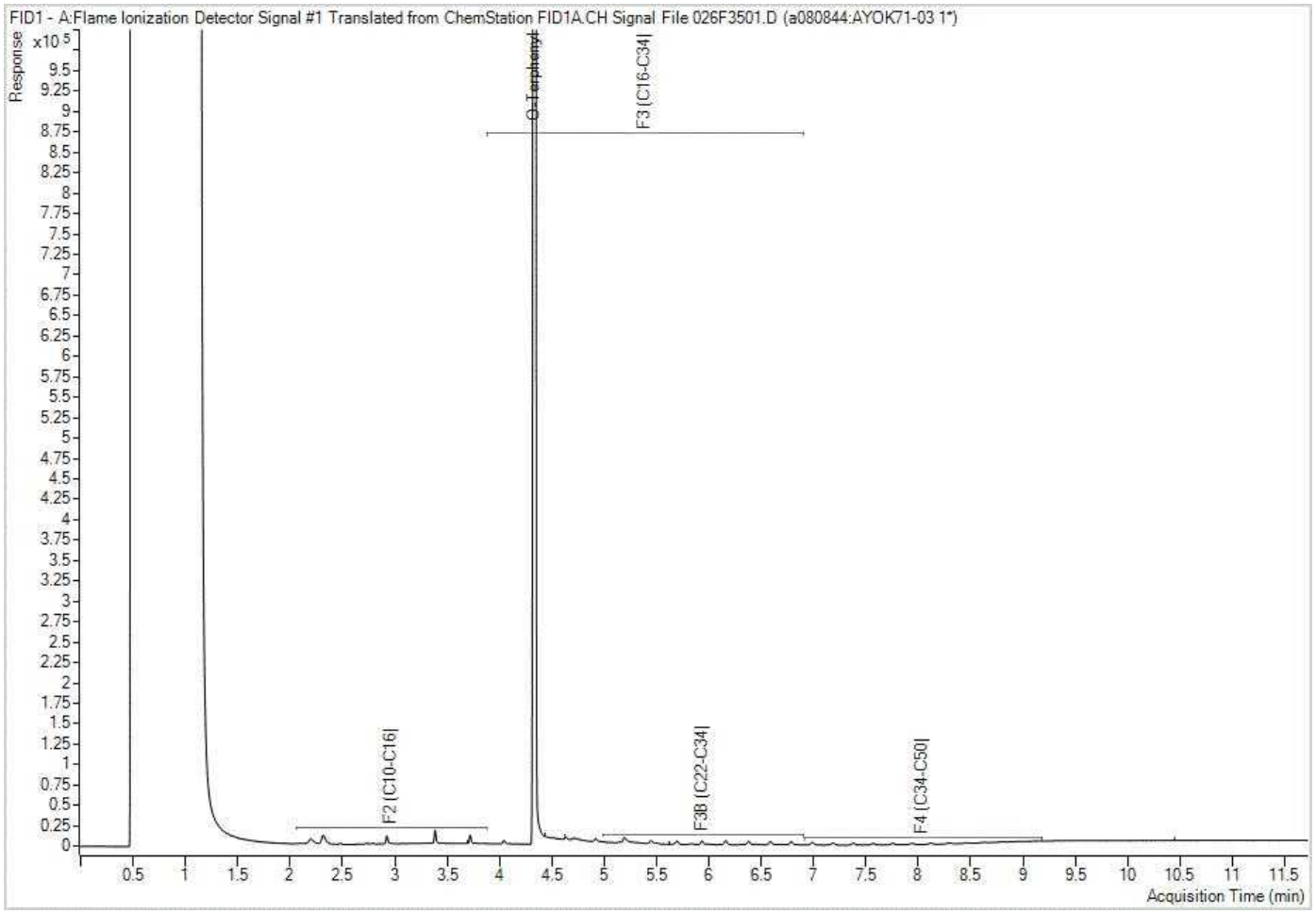
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



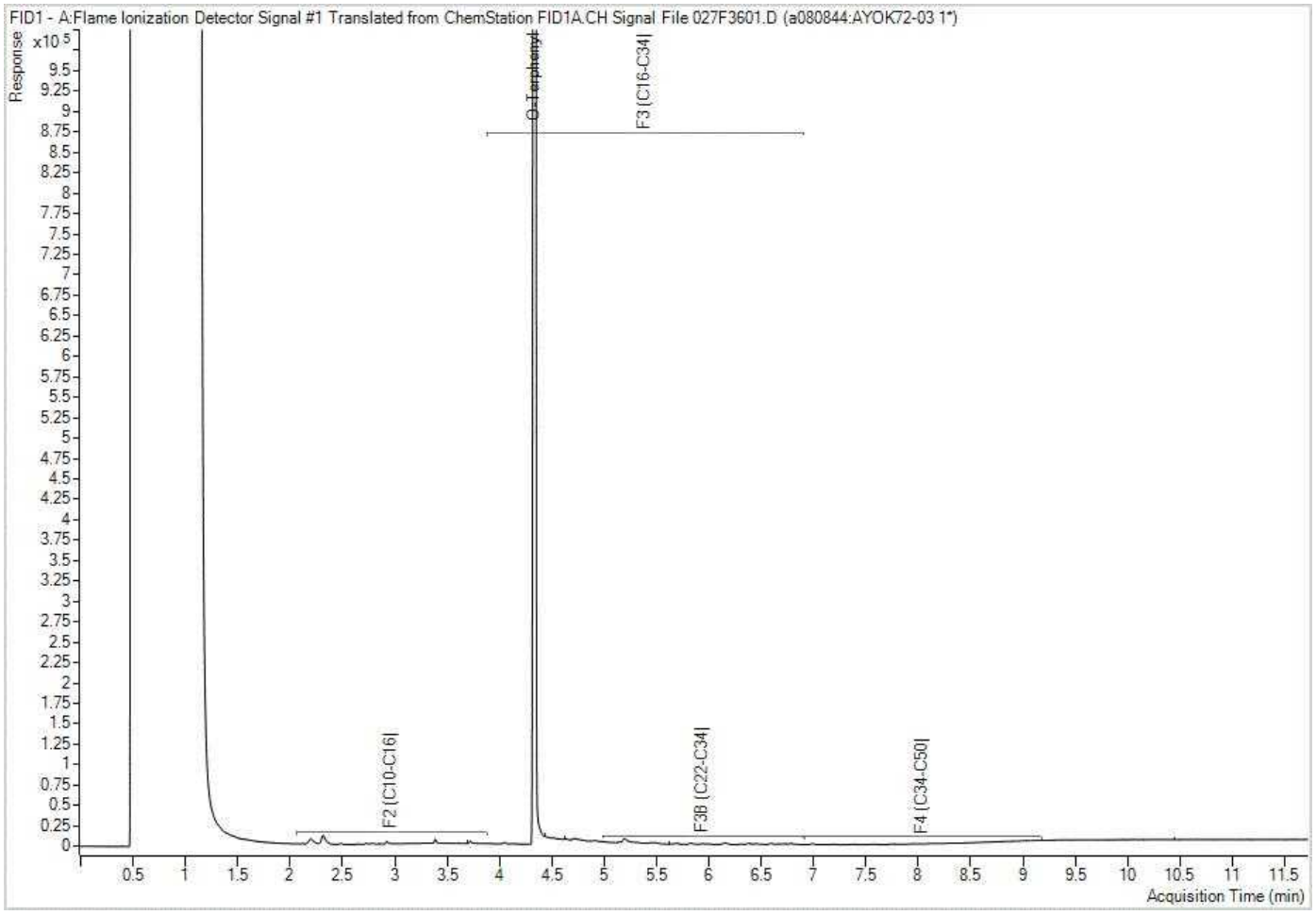
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

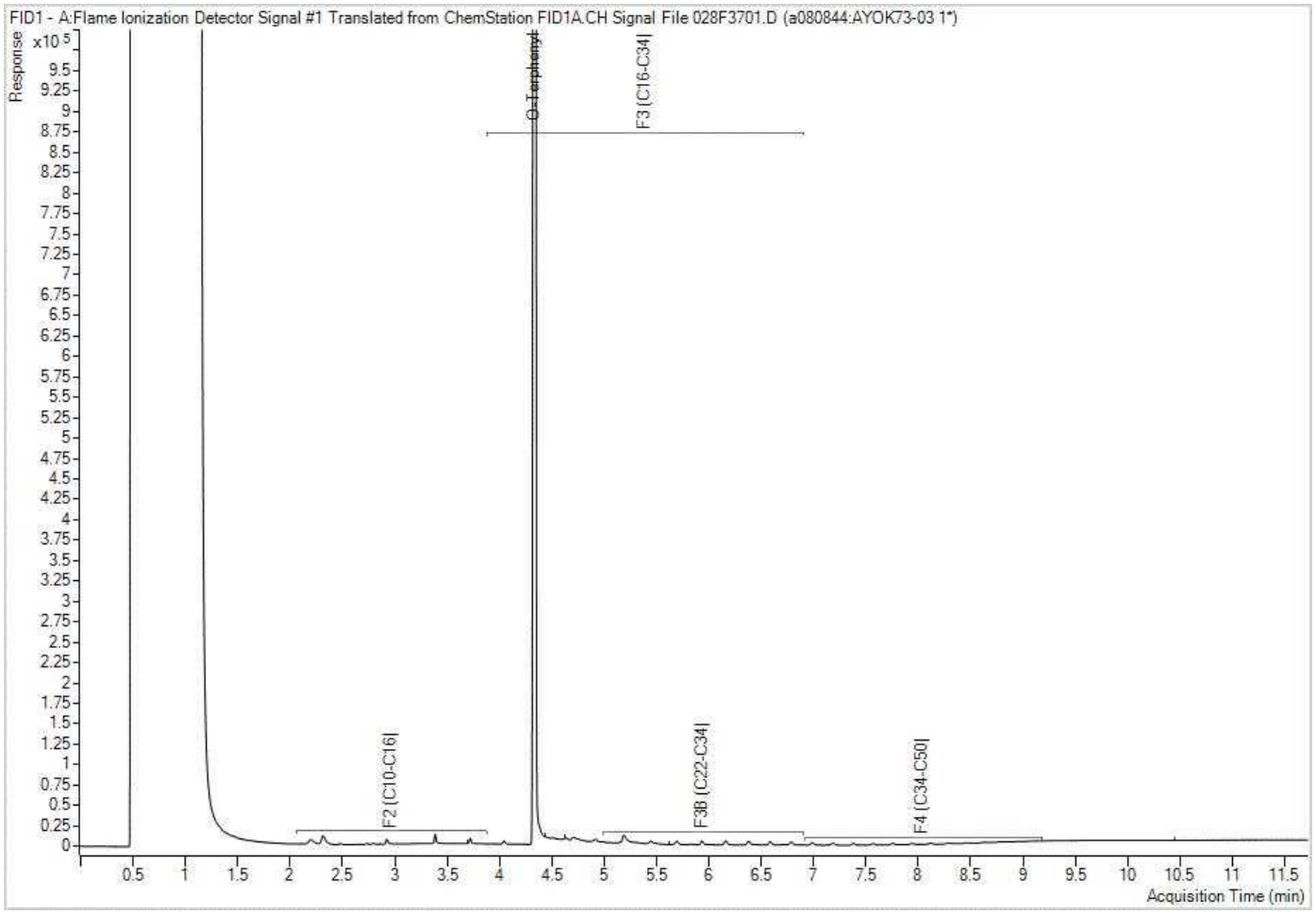


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C5G0524
Report Date: 2025/12/31
Bureau Veritas Sample: AYOK73

ARCADIS Canada Inc
Client Project #: 30298433-Task 05
Client ID: DUP-1

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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

Appendix H

Laboratory Certificates of Analysis – Groundwater

Your Project #: 30298433- Task 5
Your C.O.C. #: C#1081241-01-01

Attention: Lennart de Groot

ARCADIS Canada Inc
500-333 Preston Street
Ottawa, ON
CANADA K1S 5N4

Report Date: 2026/01/19
Report #: R8682879
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C602685
Received: 2026/01/09, 14:41

Sample Matrix: Water
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	4	N/A	2026/01/16	CAM SOP-00301	EPA 8270D m
ABN Compounds in Water by SIM GC/MS (1)	4	2026/01/12	2026/01/13	CAM SOP-00301	EPA 8270E m
1,3-Dichloropropene Sum (1)	4	N/A	2026/01/13		EPA 8260C m
Free (WAD) Cyanide (1)	4	N/A	2026/01/12	CAM SOP-00457	OMOE E3015 m
Dinitrotoluene Sum (1)	4	N/A	2026/01/16	CAM SOP - 00301	EPA 8270
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	3	2026/01/12	2026/01/12	CAM SOP-00316	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	1	2026/01/12	2026/01/13	CAM SOP-00316	CCME PHC-CWS m
Glycols in Water by GC/FID (1)	4	N/A	2026/01/12	CAM SOP-00322	based on EPA 8015
Mercury (1)	4	2026/01/16	2026/01/16	CAM SOP-00453	EPA 7470A m
Dissolved Metals by ICPMS (1)	4	N/A	2026/01/12	CAM SOP-00447	EPA 6020B m
Polychlorinated Biphenyl in Water (1)	3	2026/01/13	2026/01/14	CAM SOP-00309	EPA 8082A m
pH (1, 3)	4	2026/01/10	2026/01/13	CAM SOP-00413	SM 24th - 4500H+ B
Phenols (4AAP) (1)	4	N/A	2026/01/16	CAM SOP-00444	OMOE E3179 m
Volatile Organic Compounds and F1 PHCs (1)	4	N/A	2026/01/12	CAM SOP-00230	EPA 8260D 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.

Your Project #: 30298433- Task 5
Your C.O.C. #: C#1081241-01-01

Attention: Lennart de Groot

ARCADIS Canada Inc
500-333 Preston Street
Ottawa, ON
CANADA K1S 5N4

Report Date: 2026/01/19
Report #: R8682879
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C602685

Received: 2026/01/09, 14:41

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) 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.

(3) "The CCME method and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) requires pH to be analyzed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) holding time. Bureau Veritas endeavors to analyze samples as soon as possible after receipt."

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

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

Bureau Veritas Job #: C602685
Report Date: 2026/01/19

ARCADIS Canada Inc
Client Project #: 30298433- Task 5
Sampler Initials: OB

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AYYB50			AYYB50			AYYB51		
Sampling Date		2026/01/08 13:25			2026/01/08 13:25			2026/01/09 11:00		
COC Number		C#1081241-01-01			C#1081241-01-01			C#1081241-01-01		
	UNITS	**MW25-01**	**RDL**	**QC Batch**	**MW25-01 Lab-Dup**	**RDL**	**QC Batch**	**MW25-02**	**RDL**	**QC Batch**
Inorganics										
pH	pH	7.61		A085483				7.92		A085483
Phenols-4AAP	mg/L	<0.0010	0.0010	A088020				<0.0010	0.0010	A088020
WAD Cyanide (Free)	mg/L	0.0050	0.0010	A085690	0.0048	0.0010	A085690	<0.0010	0.0010	A085690

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

Bureau Veritas ID		AYYB52			AYYB52		AYYB53		
Sampling Date		2026/01/08 16:15			2026/01/08 16:15		2026/01/08		
COC Number		C#1081241-01-01			C#1081241-01-01		C#1081241-01-01		
	UNITS	**MW25-04**	**RDL**	**QC Batch**	**MW25-04 Lab-Dup**	**QC Batch**	**DUP26-A**	**RDL**	**QC Batch**
Inorganics									
pH	pH	7.78		A085483	7.77	A085483	7.82		A085483
Phenols-4AAP	mg/L	<0.0010	0.0010	A088020			<0.0010	0.0010	A088020
WAD Cyanide (Free)	mg/L	<0.0010	0.0010	A085690			<0.0010	0.0010	A085690

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

GLYCOLS BY GC-FID (WATER)

Bureau Veritas ID		AYYB50	AYYB51	AYYB52	AYYB53		
Sampling Date		2026/01/08 13:25	2026/01/09 11:00	2026/01/08 16:15	2026/01/08		
COC Number		C#1081241-01-01	C#1081241-01-01	C#1081241-01-01	C#1081241-01-01		
	UNITS	**MW25-01**	**MW25-02**	**MW25-04**	**DUP26-A**	**RDL**	**QC Batch**
Glycols							
Propylene Glycol	mg/L	<5	<5	<5	<5	5	A085548
Ethylene Glycol	mg/L	<5	<5	<5	<5	5	A085548
Diethylene Glycol	mg/L	<5	<5	<5	<5	5	A085548
Total Glycol	mg/L	<5	<5	<5	<5	5	A085548

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		AYYB50	AYYB51	AYYB52	AYYB53		
Sampling Date		2026/01/08 13:25	2026/01/09 11:00	2026/01/08 16:15	2026/01/08		
COC Number		C#1081241-01-01	C#1081241-01-01	C#1081241-01-01	C#1081241-01-01		
	UNITS	**MW25-01**	**MW25-02**	**MW25-04**	**DUP26-A**	**RDL**	**QC Batch**
Metals							
Mercury (Hg)	ug/L	<0.10	<0.10	<0.10	<0.10	0.10	A087761

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 DISSOLVED ICPMS METALS (WATER)

Bureau Veritas ID		AYYB50		AYYB51	AYYB52	AYYB53		
Sampling Date		2026/01/08 13:25		2026/01/09 11:00	2026/01/08 16:15	2026/01/08		
COC Number		C#1081241-01-01		C#1081241-01-01	C#1081241-01-01	C#1081241-01-01		
	UNITS	**MW25-01**	**RDL**	**MW25-02**	**MW25-04**	**DUP26-A**	**RDL**	**QC Batch**
Metals								
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	<0.50	<0.50	<0.50	0.50	A085593
Dissolved Arsenic (As)	ug/L	1.6	1.0	1.5	2.0	1.8	1.0	A085593
Dissolved Barium (Ba)	ug/L	330	2.0	160	240	240	2.0	A085593
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	<0.40	<0.40	<0.40	0.40	A085593
Dissolved Boron (B)	ug/L	130	10	170	57	57	10	A085593
Dissolved Cadmium (Cd)	ug/L	0.20	0.090	<0.090	<0.090	<0.090	0.090	A085593
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	<5.0	<5.0	<5.0	5.0	A085593
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	<0.50	<0.50	<0.50	0.50	A085593
Dissolved Copper (Cu)	ug/L	0.95	0.90	1.5	<0.90	<0.90	0.90	A085593
Dissolved Iron (Fe)	ug/L	<100	100	<100	150	150	100	A085593
Dissolved Lead (Pb)	ug/L	<0.50	0.50	<0.50	<0.50	<0.50	0.50	A085593
Dissolved Molybdenum (Mo)	ug/L	20	0.50	15	7.1	6.7	0.50	A085593
Dissolved Nickel (Ni)	ug/L	2.7	1.0	1.6	<1.0	<1.0	1.0	A085593
Dissolved Selenium (Se)	ug/L	<2.0	2.0	<2.0	<2.0	<2.0	2.0	A085593
Dissolved Silver (Ag)	ug/L	<0.090	0.090	<0.090	<0.090	<0.090	0.090	A085593
Dissolved Sodium (Na)	ug/L	1300000	500	530000	400000	400000	100	A085593
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	<0.050	<0.050	<0.050	0.050	A085593
Dissolved Uranium (U)	ug/L	1.4	0.10	1.1	0.45	0.43	0.10	A085593
Dissolved Vanadium (V)	ug/L	0.82	0.50	2.8	<0.50	<0.50	0.50	A085593
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	<5.0	<5.0	<5.0	5.0	A085593

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 PCBS (WATER)

Bureau Veritas ID		AYYB51	AYYB52	AYYB52	AYYB53		
Sampling Date		2026/01/09 11:00	2026/01/08 16:15	2026/01/08 16:15	2026/01/08		
COC Number		C#1081241-01-01	C#1081241-01-01	C#1081241-01-01	C#1081241-01-01		
	UNITS	**MW25-02**	**MW25-04**	**MW25-04 Lab-Dup**	**DUP26-A**	**RDL**	**QC Batch**
PCBs							
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	A086230
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	A086230
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	A086230
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	A086230
Total PCB	ug/L	<0.05	<0.05	<0.05	<0.05	0.05	A086230
Surrogate Recovery (%)							
Decachlorobiphenyl	%	99	99	102	103		A086230

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

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		AYYB50	AYYB51	AYYB52	AYYB53		
Sampling Date		2026/01/08 13:25	2026/01/09 11:00	2026/01/08 16:15	2026/01/08		
COC Number		C#1081241-01-01	C#1081241-01-01	C#1081241-01-01	C#1081241-01-01		
	UNITS	**MW25-01**	**MW25-02**	**MW25-04**	**DUP26-A**	**RDL**	**QC Batch**
Calculated Parameters							
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085464
Volatile Organics							
Acetone (2-Propanone)	ug/L	<10	<10	<10	<10	10	A085522
Benzene	ug/L	<0.17	<0.17	<0.17	<0.17	0.17	A085522
Bromodichloromethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
Bromoform	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	A085522
Bromomethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
Carbon Tetrachloride	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
Chlorobenzene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
Chloroform	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
Dibromochloromethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	A085522
1,1-Dichloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
1,2-Dichloroethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
1,1-Dichloroethylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
cis-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
trans-1,2-Dichloroethylene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
1,2-Dichloropropane	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	<0.30	<0.30	0.30	A085522
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	A085522
Ethylbenzene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
Ethylene Dibromide	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
Hexane	ug/L	<1.0	<1.0	<1.0	<1.0	1.0	A085522
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	<2.0	<2.0	2.0	A085522
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	<10	<10	<10	10	A085522
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	<5.0	<5.0	5.0	A085522
Methyl t-butyl ether (MTBE)	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
Styrene	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
Tetrachloroethylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
Toluene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		AYYB50	AYYB51	AYYB52	AYYB53		
Sampling Date		2026/01/08 13:25	2026/01/09 11:00	2026/01/08 16:15	2026/01/08		
COC Number		C#1081241-01-01	C#1081241-01-01	C#1081241-01-01	C#1081241-01-01		
	UNITS	**MW25-01**	**MW25-02**	**MW25-04**	**DUP26-A**	**RDL**	**QC Batch**
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
Trichloroethylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	<0.50	<0.50	<0.50	0.50	A085522
Vinyl Chloride	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
p+m-Xylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
o-Xylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
Total Xylenes	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A085522
F1 (C6-C10)	ug/L	<25	<25	<25	<25	25	A085522
F1 (C6-C10) - BTEX	ug/L	<25	<25	<25	<25	25	A085522
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/L	340	<90	<90	<90	90	A085552
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	<200	<200	200	A085552
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	<200	<200	200	A085552
Reached Baseline at C50	ug/L	Yes	Yes	Yes	Yes		A085552
Surrogate Recovery (%)							
o-Terphenyl	%	110	111	109	110		A085552
4-Bromofluorobenzene	%	98	97	97	98		A085522
D4-1,2-Dichloroethane	%	102	101	101	100		A085522
D8-Toluene	%	100	99	99	100		A085522

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Bureau Veritas ID		AYYB50	AYYB51	AYYB52		
Sampling Date		2026/01/08 13:25	2026/01/09 11:00	2026/01/08 16:15		
COC Number		C#1081241-01-01	C#1081241-01-01	C#1081241-01-01		
	UNITS	**MW25-01**	**MW25-02**	**MW25-04**	**RDL**	**QC Batch**
Semivolatile Organics						
1,2,4-Trichlorobenzene	ug/L	<0.1	<0.1	<0.1	0.1	A085974
1-Methylnaphthalene	ug/L	<0.2	<0.2	<0.2	0.2	A085974
2,4,5-Trichlorophenol	ug/L	<0.2	<0.2	<0.2	0.2	A085974
2,4,6-Trichlorophenol	ug/L	<0.2	<0.2	<0.2	0.2	A085974
2,4-Dichlorophenol	ug/L	<0.1	<0.1	<0.1	0.1	A085974
2,4-Dimethylphenol	ug/L	<0.5	<0.5	<0.5	0.5	A085974
2,4-Dinitrophenol	ug/L	<2	<2	<2	2	A085974
2,4-Dinitrotoluene	ug/L	<0.3	<0.3	<0.3	0.3	A085974
2,6-Dinitrotoluene	ug/L	<0.3	<0.3	<0.3	0.3	A085974
2-Chlorophenol	ug/L	<0.1	<0.1	<0.1	0.1	A085974
2-Methylnaphthalene	ug/L	<0.2	<0.2	<0.2	0.2	A085974
3,3'-Dichlorobenzidine	ug/L	<0.5	<0.5	<0.5	0.5	A085974
Acenaphthene	ug/L	<0.2	<0.2	<0.2	0.2	A085974
Acenaphthylene	ug/L	<0.2	<0.2	<0.2	0.2	A085974
Anthracene	ug/L	<0.05	<0.05	<0.05	0.05	A085974
Benzo(a)anthracene	ug/L	<0.05	<0.05	<0.05	0.05	A085974
Benzo(a)pyrene	ug/L	<0.01	<0.01	<0.01	0.01	A085974
Benzo(b/j)fluoranthene	ug/L	<0.05	<0.05	<0.05	0.05	A085974
Benzo(g,h,i)perylene	ug/L	<0.05	<0.05	<0.05	0.05	A085974
Benzo(k)fluoranthene	ug/L	<0.05	<0.05	<0.05	0.05	A085974
Biphenyl	ug/L	<0.1	<0.1	<0.1	0.1	A085974
Bis(2-chloroethyl)ether	ug/L	<0.5	<0.5	<0.5	0.5	A085974
Bis(2-chloroisopropyl)ether	ug/L	<0.5	<0.5	<0.5	0.5	A085974
Bis(2-ethylhexyl)phthalate	ug/L	<1	<1	<1	1	A085974
Chrysene	ug/L	<0.05	<0.05	<0.05	0.05	A085974
Dibenzo(a,h)anthracene	ug/L	<0.1	<0.1	<0.1	0.1	A085974
Diethyl phthalate	ug/L	0.1	0.1	<0.1	0.1	A085974
Dimethyl phthalate	ug/L	<0.1	<0.1	<0.1	0.1	A085974
Fluoranthene	ug/L	<0.2	<0.2	<0.2	0.2	A085974
Fluorene	ug/L	<0.2	<0.2	<0.2	0.2	A085974
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	<0.1	<0.1	0.1	A085974
Naphthalene	ug/L	<0.2	<0.2	<0.2	0.2	A085974
p-Chloroaniline	ug/L	<1	<1	<1	1	A085974
Pentachlorophenol	ug/L	<0.1	<0.1	<0.1	0.1	A085974
Phenanthrene	ug/L	<0.1	<0.1	<0.1	0.1	A085974

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Bureau Veritas ID		AYYB50	AYYB51	AYYB52		
Sampling Date		2026/01/08 13:25	2026/01/09 11:00	2026/01/08 16:15		
COC Number		C#1081241-01-01	C#1081241-01-01	C#1081241-01-01		
	UNITS	**MW25-01**	**MW25-02**	**MW25-04**	**RDL**	**QC Batch**
Phenol	ug/L	<0.5	<0.5	<0.5	0.5	A085974
Pyrene	ug/L	<0.05	<0.05	<0.05	0.05	A085974
2,3,4,6 + 2,3,4,5-Tetrachlorophenol	ug/L	<1	<1	<1	1	A085974
Calculated Parameters						
2,4- & 2,6-Dinitrotoluene	ug/L	<0.35	<0.35	<0.35	0.35	A085462
Methylnaphthalene, 2-(1-)	ug/L	<0.28	<0.28	<0.28	0.28	A085463
Surrogate Recovery (%)						
2,4,6-Tribromophenol	%	45 (1)	41 (1)	33 (1)		A085974
2-Fluorobiphenyl	%	36 (1)	32 (2)	31 (2)		A085974
D14-Terphenyl (FS)	%	76	78	78		A085974
D5-Nitrobenzene	%	50	45 (1)	42 (1)		A085974

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.

(2) ABN Analysis: The majority of the surrogate recoveries were below the lower control limit due to the effect of the matrix. This may represent a low bias in some results. Rework is indicated but insufficient volume is available to do so.

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Bureau Veritas ID		AYYB52			AYYB53		
Sampling Date		2026/01/08 16:15			2026/01/08		
COC Number		C#1081241-01-01			C#1081241-01-01		
	UNITS	**MW25-04 Lab-Dup**	**RDL**	**QC Batch**	**DUP26-A**	**RDL**	**QC Batch**
Semivolatile Organics							
1,2,4-Trichlorobenzene	ug/L	<0.1	0.1	A085974	<0.1	0.1	A085974
1-Methylnaphthalene	ug/L	<0.2	0.2	A085974	<0.2	0.2	A085974
2,4,5-Trichlorophenol	ug/L	<0.2	0.2	A085974	<0.2	0.2	A085974
2,4,6-Trichlorophenol	ug/L	<0.2	0.2	A085974	<0.2	0.2	A085974
2,4-Dichlorophenol	ug/L	<0.1	0.1	A085974	<0.1	0.1	A085974
2,4-Dimethylphenol	ug/L	<0.5	0.5	A085974	<0.5	0.5	A085974
2,4-Dinitrophenol	ug/L	<2	2	A085974	<2	2	A085974
2,4-Dinitrotoluene	ug/L	<0.3	0.3	A085974	<0.3	0.3	A085974
2,6-Dinitrotoluene	ug/L	<0.3	0.3	A085974	<0.3	0.3	A085974
2-Chlorophenol	ug/L	<0.1	0.1	A085974	<0.1	0.1	A085974
2-Methylnaphthalene	ug/L	<0.2	0.2	A085974	<0.2	0.2	A085974
3,3'-Dichlorobenzidine	ug/L	<0.5	0.5	A085974	<0.5	0.5	A085974
Acenaphthene	ug/L	<0.2	0.2	A085974	<0.2	0.2	A085974
Acenaphthylene	ug/L	<0.2	0.2	A085974	<0.2	0.2	A085974
Anthracene	ug/L	<0.05	0.05	A085974	<0.05	0.05	A085974
Benzo(a)anthracene	ug/L	<0.05	0.05	A085974	<0.05	0.05	A085974
Benzo(a)pyrene	ug/L	<0.01	0.01	A085974	<0.01	0.01	A085974
Benzo(b/j)fluoranthene	ug/L	<0.05	0.05	A085974	<0.05	0.05	A085974
Benzo(g,h,i)perylene	ug/L	<0.05	0.05	A085974	<0.05	0.05	A085974
Benzo(k)fluoranthene	ug/L	<0.05	0.05	A085974	<0.05	0.05	A085974
Biphenyl	ug/L	<0.1	0.1	A085974	<0.1	0.1	A085974
Bis(2-chloroethyl)ether	ug/L	<0.5	0.5	A085974	<0.5	0.5	A085974
Bis(2-chloroisopropyl)ether	ug/L	<0.5	0.5	A085974	<0.5	0.5	A085974
Bis(2-ethylhexyl)phthalate	ug/L	<1	1	A085974	<1	1	A085974
Chrysene	ug/L	<0.05	0.05	A085974	<0.05	0.05	A085974
Dibenzo(a,h)anthracene	ug/L	<0.1	0.1	A085974	<0.1	0.1	A085974
Diethyl phthalate	ug/L	<0.1	0.1	A085974	<0.1	0.1	A085974
Dimethyl phthalate	ug/L	<0.1	0.1	A085974	<0.1	0.1	A085974
Fluoranthene	ug/L	<0.2	0.2	A085974	<0.2	0.2	A085974
Fluorene	ug/L	<0.2	0.2	A085974	<0.2	0.2	A085974
Indeno(1,2,3-cd)pyrene	ug/L	<0.1	0.1	A085974	<0.1	0.1	A085974
Naphthalene	ug/L	<0.2	0.2	A085974	<0.2	0.2	A085974
p-Chloroaniline	ug/L	<1	1	A085974	<1	1	A085974
Pentachlorophenol	ug/L	<0.1	0.1	A085974	<0.1	0.1	A085974

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

O.REG 153 SEMIVOLATILES PACKAGE (WATER)

Bureau Veritas ID		AYYB52			AYYB53		
Sampling Date		2026/01/08 16:15			2026/01/08		
COC Number		C#1081241-01-01			C#1081241-01-01		
	UNITS	**MW25-04 Lab-Dup**	**RDL**	**QC Batch**	**DUP26-A**	**RDL**	**QC Batch**
Phenanthrene	ug/L	<0.1	0.1	A085974	<0.1	0.1	A085974
Phenol	ug/L	<0.5	0.5	A085974	<0.5	0.5	A085974
Pyrene	ug/L	<0.05	0.05	A085974	<0.05	0.05	A085974
2,3,4,6 + 2,3,4,5-Tetrachlorophenol	ug/L	<1	1	A085974	<1	1	A085974
Calculated Parameters							
2,4- & 2,6-Dinitrotoluene	ug/L				<0.35	0.35	A085462
Methylnaphthalene, 2-(1-)	ug/L				<0.28	0.28	A085463
Surrogate Recovery (%)							
2,4,6-Tribromophenol	%	33 (1)		A085974	40 (1)		A085974
2-Fluorobiphenyl	%	33 (2)		A085974	32 (2)		A085974
D14-Terphenyl (FS)	%	77		A085974	78		A085974
D5-Nitrobenzene	%	44 (1)		A085974	44 (1)		A085974

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.
(2) ABN Analysis: The majority of the surrogate recoveries were below the lower control limit due to the effect of the matrix. This may represent a low bias in some results. Rework is indicated but insufficient volume is available to do so.

TEST SUMMARY

Bureau Veritas ID: AYYB50 **Collected:** 2026/01/08
Sample ID: MW25-01 **Shipped:**
Matrix: Water **Received:** 2026/01/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A085463	N/A	2026/01/16	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	A085974	2026/01/12	2026/01/13	Ahmed Ismail
1,3-Dichloropropene Sum	CALC	A085464	N/A	2026/01/13	Automated Statchk
Free (WAD) Cyanide	SKAL/CN	A085690	N/A	2026/01/12	Prgya Panchal
Dinitrotoluene Sum	CALC	A085462	N/A	2026/01/16	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A085552	2026/01/12	2026/01/12	Jeevaraj Jeevaratrnam
Glycols in Water by GC/FID	GC/FID	A085548	N/A	2026/01/12	Ravinder Gaidhu
Mercury	CV/AA	A087761	2026/01/16	2026/01/16	Prabhdeep Kaur
Dissolved Metals by ICPMS	ICP/MS	A085593	N/A	2026/01/12	Lina Nguyen
pH	AT	A085483	2026/01/10	2026/01/13	Helen He
Phenols (4AAP)	TECH/PHEN	A088020	N/A	2026/01/16	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A085522	N/A	2026/01/12	Dina Wang

Bureau Veritas ID: AYYB50 Dup **Collected:** 2026/01/08
Sample ID: MW25-01 **Shipped:**
Matrix: Water **Received:** 2026/01/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Free (WAD) Cyanide	SKAL/CN	A085690	N/A	2026/01/12	Prgya Panchal

Bureau Veritas ID: AYYB51 **Collected:** 2026/01/09
Sample ID: MW25-02 **Shipped:**
Matrix: Water **Received:** 2026/01/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A085463	N/A	2026/01/16	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	A085974	2026/01/12	2026/01/13	Ahmed Ismail
1,3-Dichloropropene Sum	CALC	A085464	N/A	2026/01/13	Automated Statchk
Free (WAD) Cyanide	SKAL/CN	A085690	N/A	2026/01/12	Prgya Panchal
Dinitrotoluene Sum	CALC	A085462	N/A	2026/01/16	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A085552	2026/01/12	2026/01/12	Jeevaraj Jeevaratrnam
Glycols in Water by GC/FID	GC/FID	A085548	N/A	2026/01/12	Ravinder Gaidhu
Mercury	CV/AA	A087761	2026/01/16	2026/01/16	Prabhdeep Kaur
Dissolved Metals by ICPMS	ICP/MS	A085593	N/A	2026/01/12	Lina Nguyen
Polychlorinated Biphenyl in Water	GC/ECD	A086230	2026/01/13	2026/01/14	Svitlana Shaula
pH	AT	A085483	2026/01/10	2026/01/13	Helen He
Phenols (4AAP)	TECH/PHEN	A088020	N/A	2026/01/16	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A085522	N/A	2026/01/12	Dina Wang

Bureau Veritas ID: AYYB52 **Collected:** 2026/01/08
Sample ID: MW25-04 **Shipped:**
Matrix: Water **Received:** 2026/01/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A085463	N/A	2026/01/16	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	A085974	2026/01/12	2026/01/13	Ahmed Ismail

TEST SUMMARY

Bureau Veritas ID: AYYB52 **Collected:** 2026/01/08
Sample ID: MW25-04 **Shipped:**
Matrix: Water **Received:** 2026/01/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	A085464	N/A	2026/01/13	Automated Statchk
Free (WAD) Cyanide	SKAL/CN	A085690	N/A	2026/01/12	Prgya Panchal
Dinitrotoluene Sum	CALC	A085462	N/A	2026/01/16	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A085552	2026/01/12	2026/01/12	Jeevaraj Jeevaratrnam
Glycols in Water by GC/FID	GC/FID	A085548	N/A	2026/01/12	Ravinder Gaidhu
Mercury	CV/AA	A087761	2026/01/16	2026/01/16	Prabhdeep Kaur
Dissolved Metals by ICPMS	ICP/MS	A085593	N/A	2026/01/12	Lina Nguyen
Polychlorinated Biphenyl in Water	GC/ECD	A086230	2026/01/13	2026/01/14	Svitlana Shaula
pH	AT	A085483	2026/01/10	2026/01/13	Helen He
Phenols (4AAP)	TECH/PHEN	A088020	N/A	2026/01/16	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A085522	N/A	2026/01/12	Dina Wang

Bureau Veritas ID: AYYB52 Dup **Collected:** 2026/01/08
Sample ID: MW25-04 **Shipped:**
Matrix: Water **Received:** 2026/01/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by SIM GC/MS	GC/MS	A085974	2026/01/12	2026/01/13	Ahmed Ismail
Polychlorinated Biphenyl in Water	GC/ECD	A086230	2026/01/13	2026/01/14	Svitlana Shaula
pH	AT	A085483	2026/01/10	2026/01/13	Helen He

Bureau Veritas ID: AYYB53 **Collected:** 2026/01/08
Sample ID: DUP26-A **Shipped:**
Matrix: Water **Received:** 2026/01/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	A085463	N/A	2026/01/16	Automated Statchk
ABN Compounds in Water by SIM GC/MS	GC/MS	A085974	2026/01/12	2026/01/13	Ahmed Ismail
1,3-Dichloropropene Sum	CALC	A085464	N/A	2026/01/13	Automated Statchk
Free (WAD) Cyanide	SKAL/CN	A085690	N/A	2026/01/12	Prgya Panchal
Dinitrotoluene Sum	CALC	A085462	N/A	2026/01/16	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A085552	2026/01/12	2026/01/13	Jeevaraj Jeevaratrnam
Glycols in Water by GC/FID	GC/FID	A085548	N/A	2026/01/12	Ravinder Gaidhu
Mercury	CV/AA	A087761	2026/01/16	2026/01/16	Prabhdeep Kaur
Dissolved Metals by ICPMS	ICP/MS	A085593	N/A	2026/01/12	Lina Nguyen
Polychlorinated Biphenyl in Water	GC/ECD	A086230	2026/01/13	2026/01/14	Svitlana Shaula
pH	AT	A085483	2026/01/10	2026/01/13	Helen He
Phenols (4AAP)	TECH/PHEN	A088020	N/A	2026/01/16	Jency Sara Johnson
Volatile Organic Compounds and F1 PHCs	GC/MSFD	A085522	N/A	2026/01/12	Dina Wang

GENERAL COMMENTS

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

Package 1	9.3°C
Package 2	8.3°C
Package 3	9.0°C

O.REG 153 PCBS (WATER)

Matrix Spike Polychlorinated Biphenyl in Water: Due to the nature of the sample, a smaller amount was used for the analysis.

Results relate only to the items tested.

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

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
A085522	4-Bromofluorobenzene	2026/01/12	101	70 - 130	100	70 - 130	98	%		
A085522	D4-1,2-Dichloroethane	2026/01/12	101	70 - 130	102	70 - 130	99	%		
A085522	D8-Toluene	2026/01/12	99	70 - 130	101	70 - 130	100	%		
A085552	o-Terphenyl	2026/01/12	111	60 - 140	111	60 - 140	109	%		
A085974	2,4,6-Tribromophenol	2026/01/13	53	50 - 130	91	50 - 130	60	%		
A085974	2-Fluorobiphenyl	2026/01/13	42 (1)	50 - 130	59	50 - 130	66	%		
A085974	D14-Terphenyl (FS)	2026/01/13	79	50 - 130	88	50 - 130	88	%		
A085974	D5-Nitrobenzene	2026/01/13	47 (1)	50 - 130	78	50 - 130	76	%		
A086230	Decachlorobiphenyl	2026/01/14	102	60 - 130	94	60 - 130	97	%		
A085483	pH	2026/01/13			101	98 - 103			0.10	N/A
A085522	1,1,1,2-Tetrachloroethane	2026/01/12	101	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
A085522	1,1,1-Trichloroethane	2026/01/12	93	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
A085522	1,1,2,2-Tetrachloroethane	2026/01/12	90	70 - 130	90	70 - 130	<0.50	ug/L	NC	30
A085522	1,1,2-Trichloroethane	2026/01/12	96	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
A085522	1,1-Dichloroethane	2026/01/12	92	70 - 130	94	70 - 130	<0.20	ug/L	NC	30
A085522	1,1-Dichloroethylene	2026/01/12	96	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
A085522	1,2-Dichlorobenzene	2026/01/12	97	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
A085522	1,2-Dichloroethane	2026/01/12	101	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
A085522	1,2-Dichloropropane	2026/01/12	96	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
A085522	1,3-Dichlorobenzene	2026/01/12	98	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
A085522	1,4-Dichlorobenzene	2026/01/12	100	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
A085522	Acetone (2-Propanone)	2026/01/12	94	60 - 140	97	60 - 140	<10	ug/L	NC	30
A085522	Benzene	2026/01/12	96	70 - 130	98	70 - 130	<0.17	ug/L	NC	30
A085522	Bromodichloromethane	2026/01/12	93	70 - 130	95	70 - 130	<0.50	ug/L	NC	30
A085522	Bromoform	2026/01/12	95	70 - 130	98	70 - 130	<1.0	ug/L	NC	30
A085522	Bromomethane	2026/01/12	90	60 - 140	98	60 - 140	<0.50	ug/L	NC	30
A085522	Carbon Tetrachloride	2026/01/12	103	70 - 130	104	70 - 130	<0.20	ug/L	NC	30
A085522	Chlorobenzene	2026/01/12	89	70 - 130	90	70 - 130	<0.20	ug/L	NC	30
A085522	Chloroform	2026/01/12	96	70 - 130	98	70 - 130	<0.20	ug/L	13	30
A085522	cis-1,2-Dichloroethylene	2026/01/12	99	70 - 130	101	70 - 130	<0.50	ug/L	NC	30
A085522	cis-1,3-Dichloropropene	2026/01/12	88	70 - 130	94	70 - 130	<0.30	ug/L	NC	30
A085522	Dibromochloromethane	2026/01/12	98	70 - 130	101	70 - 130	<0.50	ug/L	NC	30

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
A085522	Dichlorodifluoromethane (FREON 12)	2026/01/12	106	60 - 140	115	60 - 140	<1.0	ug/L	NC	30
A085522	Ethylbenzene	2026/01/12	95	70 - 130	96	70 - 130	<0.20	ug/L	NC	30
A085522	Ethylene Dibromide	2026/01/12	94	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
A085522	F1 (C6-C10) - BTEX	2026/01/12					<25	ug/L	NC	30
A085522	F1 (C6-C10)	2026/01/12	90	60 - 140	92	60 - 140	<25	ug/L	NC	30
A085522	Hexane	2026/01/12	101	70 - 130	104	70 - 130	<1.0	ug/L	NC	30
A085522	Methyl Ethyl Ketone (2-Butanone)	2026/01/12	95	60 - 140	97	60 - 140	<10	ug/L	NC	30
A085522	Methyl Isobutyl Ketone	2026/01/12	95	70 - 130	97	70 - 130	<5.0	ug/L	NC	30
A085522	Methyl t-butyl ether (MTBE)	2026/01/12	95	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
A085522	Methylene Chloride(Dichloromethane)	2026/01/12	94	70 - 130	96	70 - 130	<2.0	ug/L	NC	30
A085522	o-Xylene	2026/01/12	99	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
A085522	p+m-Xylene	2026/01/12	95	70 - 130	96	70 - 130	<0.20	ug/L	13	30
A085522	Styrene	2026/01/12	91	70 - 130	93	70 - 130	<0.50	ug/L	NC	30
A085522	Tetrachloroethylene	2026/01/12	93	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
A085522	Toluene	2026/01/12	94	70 - 130	97	70 - 130	<0.20	ug/L	6.9	30
A085522	Total Xylenes	2026/01/12					<0.20	ug/L	13	30
A085522	trans-1,2-Dichloroethylene	2026/01/12	100	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
A085522	trans-1,3-Dichloropropene	2026/01/12	94	70 - 130	104	70 - 130	<0.40	ug/L	NC	30
A085522	Trichloroethylene	2026/01/12	97	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
A085522	Trichlorofluoromethane (FREON 11)	2026/01/12	93	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
A085522	Vinyl Chloride	2026/01/12	94	70 - 130	101	70 - 130	<0.20	ug/L	NC	30
A085548	Diethylene Glycol	2026/01/12	92	60 - 140	89	60 - 140	<5	mg/L	NC	40
A085548	Ethylene Glycol	2026/01/12	89	60 - 140	91	60 - 140	<5	mg/L	9.2	40
A085548	Propylene Glycol	2026/01/12	91	60 - 140	97	60 - 140	<5	mg/L	NC	40
A085548	Total Glycol	2026/01/12					<5	mg/L	9.2	40
A085552	F2 (C10-C16 Hydrocarbons)	2026/01/12	101	60 - 140	102	60 - 140	<90	ug/L	NC	30
A085552	F3 (C16-C34 Hydrocarbons)	2026/01/12	109	60 - 140	111	60 - 140	<200	ug/L	NC	30
A085552	F4 (C34-C50 Hydrocarbons)	2026/01/12	104	60 - 140	105	60 - 140	<200	ug/L	NC	30
A085593	Dissolved Antimony (Sb)	2026/01/12	106	80 - 120	101	80 - 120	<0.50	ug/L	NC	20
A085593	Dissolved Arsenic (As)	2026/01/12	101	80 - 120	100	80 - 120	<1.0	ug/L	1.3	20
A085593	Dissolved Barium (Ba)	2026/01/12	101	80 - 120	100	80 - 120	<2.0	ug/L	0.067	20
A085593	Dissolved Beryllium (Be)	2026/01/12	94	80 - 120	95	80 - 120	<0.40	ug/L	NC	20

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
A085593	Dissolved Boron (B)	2026/01/12	93	80 - 120	96	80 - 120	<10	ug/L	1.0	20
A085593	Dissolved Cadmium (Cd)	2026/01/12	100	80 - 120	101	80 - 120	<0.090	ug/L	NC	20
A085593	Dissolved Chromium (Cr)	2026/01/12	95	80 - 120	94	80 - 120	<5.0	ug/L	NC	20
A085593	Dissolved Cobalt (Co)	2026/01/12	101	80 - 120	102	80 - 120	<0.50	ug/L	3.0	20
A085593	Dissolved Copper (Cu)	2026/01/12	100	80 - 120	97	80 - 120	<0.90	ug/L	4.9	20
A085593	Dissolved Iron (Fe)	2026/01/12	98	80 - 120	98	80 - 120	<100	ug/L		
A085593	Dissolved Lead (Pb)	2026/01/12	93	80 - 120	100	80 - 120	<0.50	ug/L	NC	20
A085593	Dissolved Molybdenum (Mo)	2026/01/12	106	80 - 120	99	80 - 120	<0.50	ug/L	0.51	20
A085593	Dissolved Nickel (Ni)	2026/01/12	95	80 - 120	99	80 - 120	<1.0	ug/L	7.3	20
A085593	Dissolved Selenium (Se)	2026/01/12	99	80 - 120	102	80 - 120	<2.0	ug/L	NC	20
A085593	Dissolved Silver (Ag)	2026/01/12	82	80 - 120	96	80 - 120	<0.090	ug/L	NC	20
A085593	Dissolved Sodium (Na)	2026/01/12	NC	80 - 120	96	80 - 120	<100	ug/L	2.5	20
A085593	Dissolved Thallium (Tl)	2026/01/12	95	80 - 120	101	80 - 120	<0.050	ug/L	NC	20
A085593	Dissolved Uranium (U)	2026/01/12	100	80 - 120	103	80 - 120	<0.10	ug/L	0.48	20
A085593	Dissolved Vanadium (V)	2026/01/12	103	80 - 120	98	80 - 120	<0.50	ug/L	NC	20
A085593	Dissolved Zinc (Zn)	2026/01/12	95	80 - 120	101	80 - 120	<5.0	ug/L	2.0	20
A085690	WAD Cyanide (Free)	2026/01/12	110	80 - 120	107	80 - 120	<0.0010	mg/L	4.1	20
A085974	1,2,4-Trichlorobenzene	2026/01/13	38 (1)	50 - 130	53	50 - 130	<0.1	ug/L	NC	30
A085974	1-Methylnaphthalene	2026/01/13	52	50 - 130	83	50 - 130	<0.2	ug/L	NC	30
A085974	2,3,4,6 + 2,3,4,5-Tetrachlorophenol	2026/01/13	63	30 - 130	102	30 - 130	<1	ug/L	NC	40
A085974	2,4,5-Trichlorophenol	2026/01/13	48 (1)	50 - 130	87	50 - 130	<0.2	ug/L	NC	30
A085974	2,4,6-Trichlorophenol	2026/01/13	53	50 - 130	98	50 - 130	<0.2	ug/L	NC	30
A085974	2,4-Dichlorophenol	2026/01/13	55	50 - 130	96	50 - 130	<0.1	ug/L	NC	30
A085974	2,4-Dimethylphenol	2026/01/13	33	30 - 130	63	30 - 130	<0.5	ug/L	NC	30
A085974	2,4-Dinitrophenol	2026/01/13	52	30 - 130	86	30 - 130	<2	ug/L	NC	30
A085974	2,4-Dinitrotoluene	2026/01/13	64	50 - 130	103	50 - 130	<0.3	ug/L	NC	30
A085974	2,6-Dinitrotoluene	2026/01/13	51	50 - 130	93	50 - 130	<0.3	ug/L	NC	30
A085974	2-Chlorophenol	2026/01/13	46 (1)	50 - 130	81	50 - 130	<0.1	ug/L	NC	30
A085974	2-Methylnaphthalene	2026/01/13	54	50 - 130	84	50 - 130	<0.2	ug/L	NC	30
A085974	3,3'-Dichlorobenzidine	2026/01/13	104	30 - 130	106	30 - 130	<0.5	ug/L	NC	30
A085974	Acenaphthene	2026/01/13	51	50 - 130	88	50 - 130	<0.2	ug/L	NC	30
A085974	Acenaphthylene	2026/01/13	48 (1)	50 - 130	82	50 - 130	<0.2	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
A085974	Anthracene	2026/01/13	58	50 - 130	92	50 - 130	<0.05	ug/L	NC	30
A085974	Benzo(a)anthracene	2026/01/13	93	50 - 130	100	50 - 130	<0.05	ug/L	NC	30
A085974	Benzo(a)pyrene	2026/01/13	101	50 - 130	99	50 - 130	<0.01	ug/L	NC	30
A085974	Benzo(b/j)fluoranthene	2026/01/13	98	50 - 130	105	50 - 130	<0.05	ug/L	NC	30
A085974	Benzo(g,h,i)perylene	2026/01/13	89	50 - 130	99	50 - 130	<0.05	ug/L	NC	30
A085974	Benzo(k)fluoranthene	2026/01/13	93	50 - 130	98	50 - 130	<0.05	ug/L	NC	30
A085974	Biphenyl	2026/01/13	47 (1)	50 - 130	78	50 - 130	<0.1	ug/L	NC	30
A085974	Bis(2-chloroethyl)ether	2026/01/13	47 (1)	50 - 130	81	50 - 130	<0.5	ug/L	NC	30
A085974	Bis(2-chloroisopropyl)ether	2026/01/13	42 (1)	50 - 130	69	50 - 130	<0.5	ug/L	NC	30
A085974	Bis(2-ethylhexyl)phthalate	2026/01/13	86	50 - 130	92	50 - 130	<1	ug/L	NC	30
A085974	Chrysene	2026/01/13	91	50 - 130	98	50 - 130	<0.05	ug/L	NC	30
A085974	Dibenzo(a,h)anthracene	2026/01/13	77	50 - 130	85	50 - 130	<0.1	ug/L	NC	30
A085974	Diethyl phthalate	2026/01/13	54	50 - 130	93	50 - 130	<0.1	ug/L	NC	30
A085974	Dimethyl phthalate	2026/01/13	52	50 - 130	95	50 - 130	<0.1	ug/L	NC	30
A085974	Fluoranthene	2026/01/13	91	50 - 130	107	50 - 130	<0.2	ug/L	NC	30
A085974	Fluorene	2026/01/13	54	50 - 130	94	50 - 130	<0.2	ug/L	NC	30
A085974	Indeno(1,2,3-cd)pyrene	2026/01/13	80	50 - 130	89	50 - 130	<0.1	ug/L	NC	30
A085974	Naphthalene	2026/01/13	42 (1)	50 - 130	61	50 - 130	<0.2	ug/L	NC	30
A085974	p-Chloroaniline	2026/01/13	32	30 - 130	48	30 - 130	<1	ug/L	NC	30
A085974	Pentachlorophenol	2026/01/13	54	50 - 130	75	50 - 130	<0.1	ug/L	NC	30
A085974	Phenanthrene	2026/01/13	58	50 - 130	94	50 - 130	<0.1	ug/L	NC	30
A085974	Phenol	2026/01/13	19 (1)	30 - 130	34	30 - 130	<0.5	ug/L	NC	30
A085974	Pyrene	2026/01/13	89	50 - 130	103	50 - 130	<0.05	ug/L	NC	30
A086230	Aroclor 1242	2026/01/14					<0.05	ug/L	NC	30
A086230	Aroclor 1248	2026/01/14					<0.05	ug/L	NC	30
A086230	Aroclor 1254	2026/01/14					<0.05	ug/L	NC	30
A086230	Aroclor 1260	2026/01/14	86	60 - 130	77	60 - 130	<0.05	ug/L	NC	30
A086230	Total PCB	2026/01/14	86	60 - 130	77	60 - 130	<0.05	ug/L	NC	40
A087761	Mercury (Hg)	2026/01/16	96	75 - 125	98	80 - 120	<0.10	ug/L	NC	20

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
A088020	Phenols-4AAP	2026/01/16	96	80 - 120	103	80 - 120	<0.0010	mg/L	NC	20

N/A = Not Applicable

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

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

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

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

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

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

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

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

VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

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

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

C602685
2026/01/09 14:41

Bureau Veritas
36 Antares Dr Unit 100, Nepean, Ontario Canada K2E 7W5 Tel:(613) 274-0573 Toll-free:800-563-6266 Fax:(613) 274-0574 www.bvna.com

Received in Ottawa

CHAIN OF CUSTODY RECORD

Invoice To:		Report To:		PROJECT INFORMATION:		Laboratory Use Only:	
Company:	#10988 ARCADIS Canada Inc	Company:		Quotation #:	C45635	Bureau Veritas Job #:	Bottle Order #:
Attention:	Accounts Payable Canada	Attention:	Lennart de Groot	P.O. #:			1081241
Address:	500-333 Preston Street Ottawa ON K1S 5N4	Address:		Project:	30298433- Task 5	COC #:	Project Manager:
Tel:	(613) 721-0555 Fax: (613) 721-0029	Tel:	Fax:	Project Name:		C#1081241-01-01	Katherine Szozda
Email:	invoices_ca@arcadis.com	Email:	lennart.degroot@arcadis.com	Site #:			
				Sampled By:	Olivia Barber		

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 [X] Medium/Fine
- [ ] Table 2 [X] Ind/Comm [ ] Coarse
- [X] Table 3 [ ] Agri/Other [ ] For RSC
- [ ] Table ___

Other Regulations
- [ ] CCME [ ] Sanitary Sewer Bylaw
- [ ] Reg 558 [ ] Storm Sewer Bylaw
- [ ] MISA Municipality ___
- [ ] PWQO [ ] Reg 406 Table ___
- [ ] Other ___

Special Instructions

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	O.Reg 153 VOCs by HS & F1-F4	O.Reg 153 Semivolatiles Package	O.Reg 153 PAHs	O.Reg 153 Dissolved ICP/MS Metals (Inc. Hg, Fe, Pb, Zn, B)	Phenols (4AAP)	Free (WAD) Cyanide	Glycols in Water by GC/FID	pH	Mercury	PCBs	# of Bottles	Comments
1	MW25-01		26/01/08	13:25		X	X	X	X	X	X	X	X	X	X		13	
2	MW25-02		26/01/09	11:00		X	X	X	X	X	X	X	X	X	X	X	15	
3	MW25-04		26/01/08	16:15		X	X	X	X	X	X	X	X	X	X	X	15	
4	DUP26-A		26/01/08			X	X	X	X	X	X	X	X	X	X	X	15	
5																		
6																		
7																		
8																		
9																		
10																		

OTT-2026-01-056

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

Regular (Standard) TAT: [X]
(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 ROD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___
Rush Confirmation Number: ___ *(call lab for #)*

* Relinquished By (Print):	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Olivia Barber	26/01/09		Leen Asad	2026/01/09	14:41	

Laboratory Use Only (ice)

Time Sensitive	Temperature (°C) on Recei	Custody Seal	Yes	No
	check ACTR	Present		
		Intact	✓	

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

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

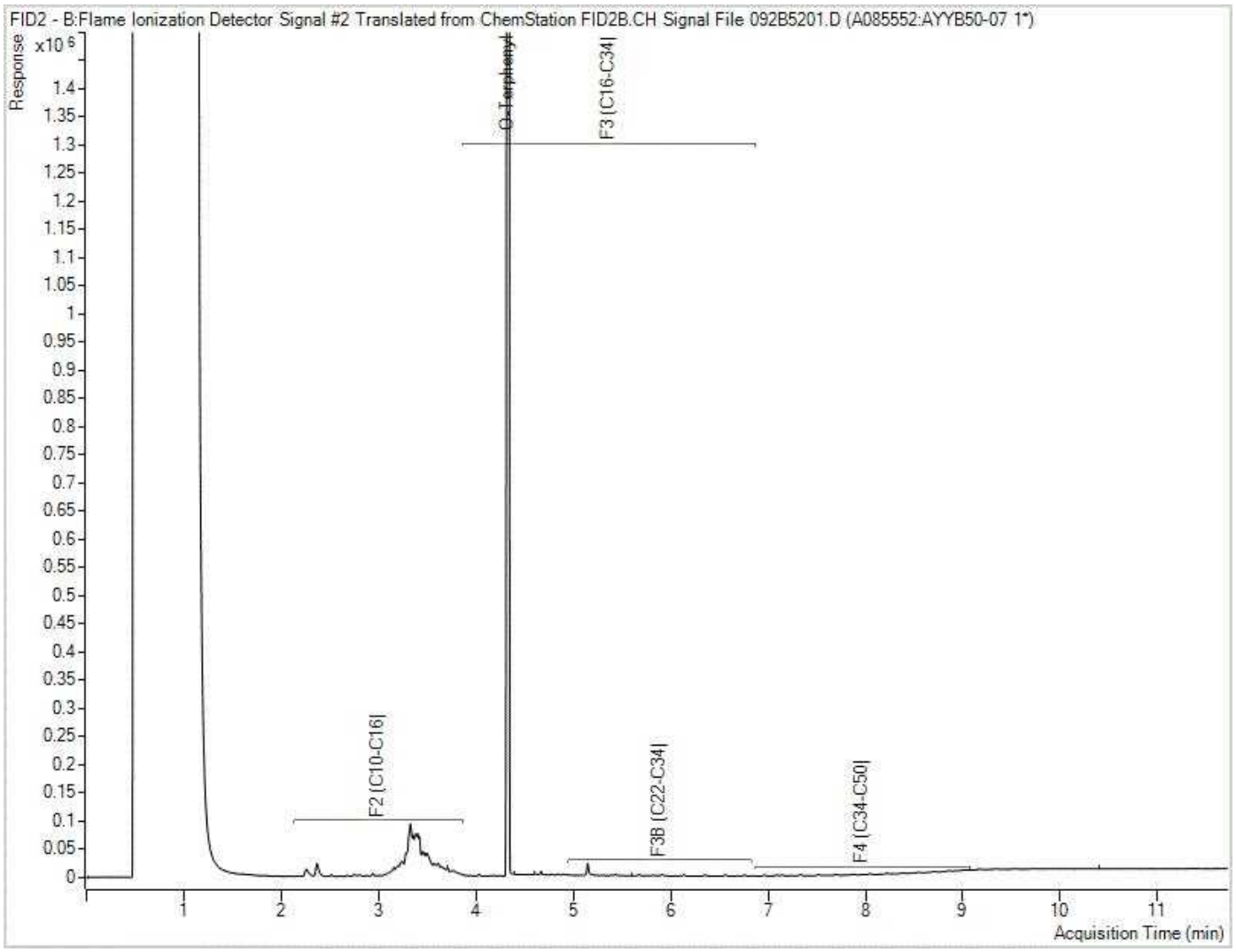
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/CHAIN-CUSTODY-FORMS-COCS.

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

White: Bureau Veritas Yellow: Client

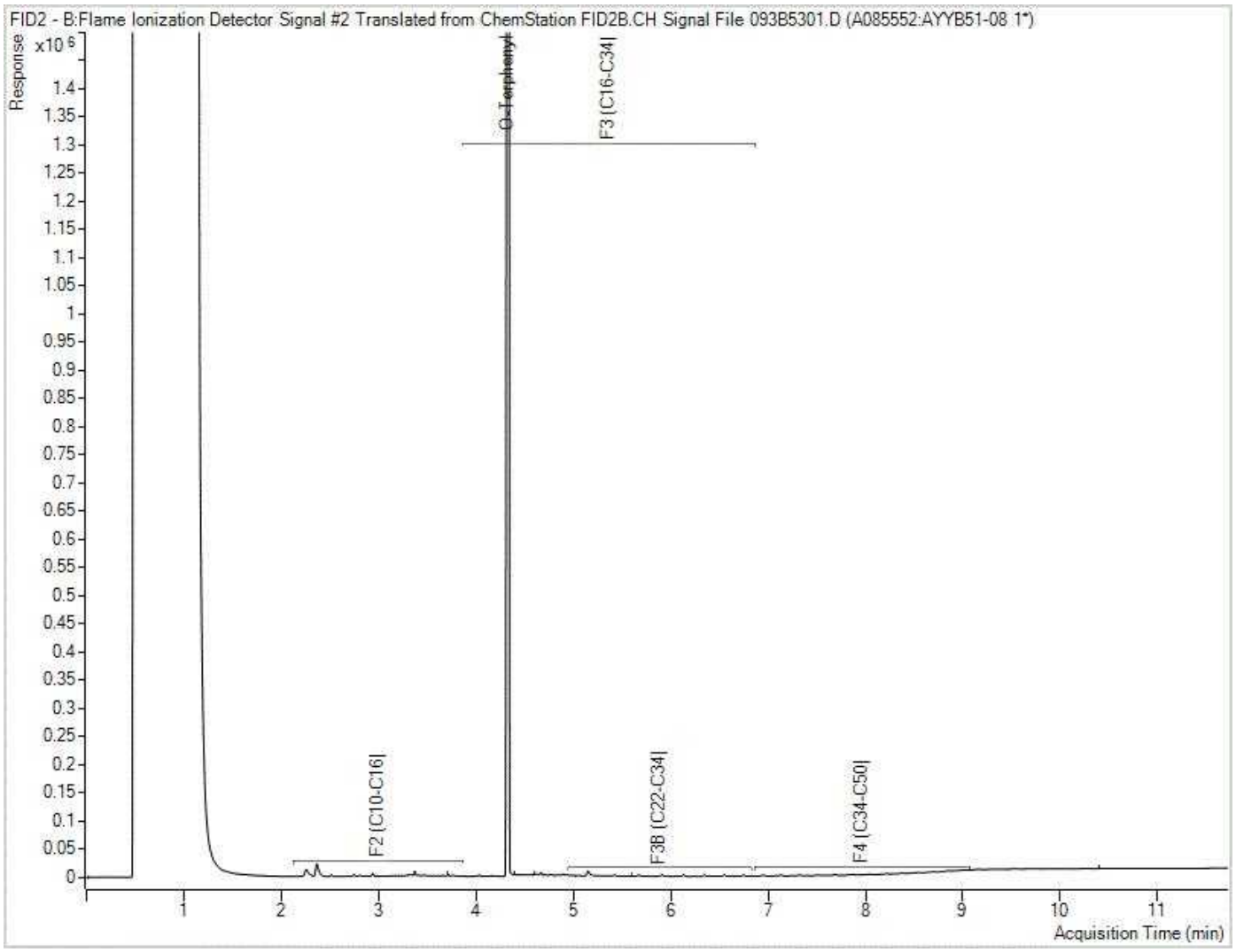
Bureau Veritas Canada (2019) Inc.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



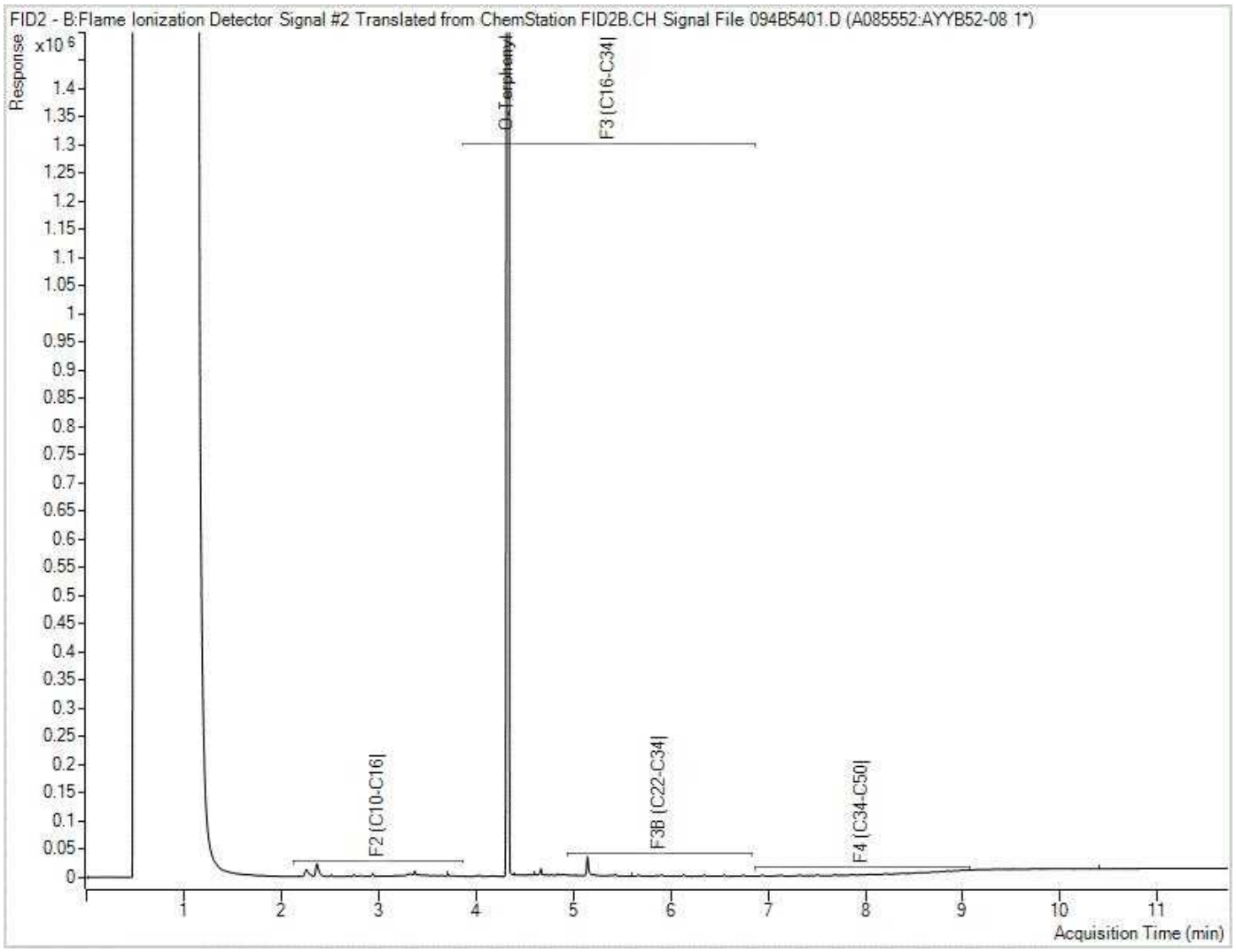
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



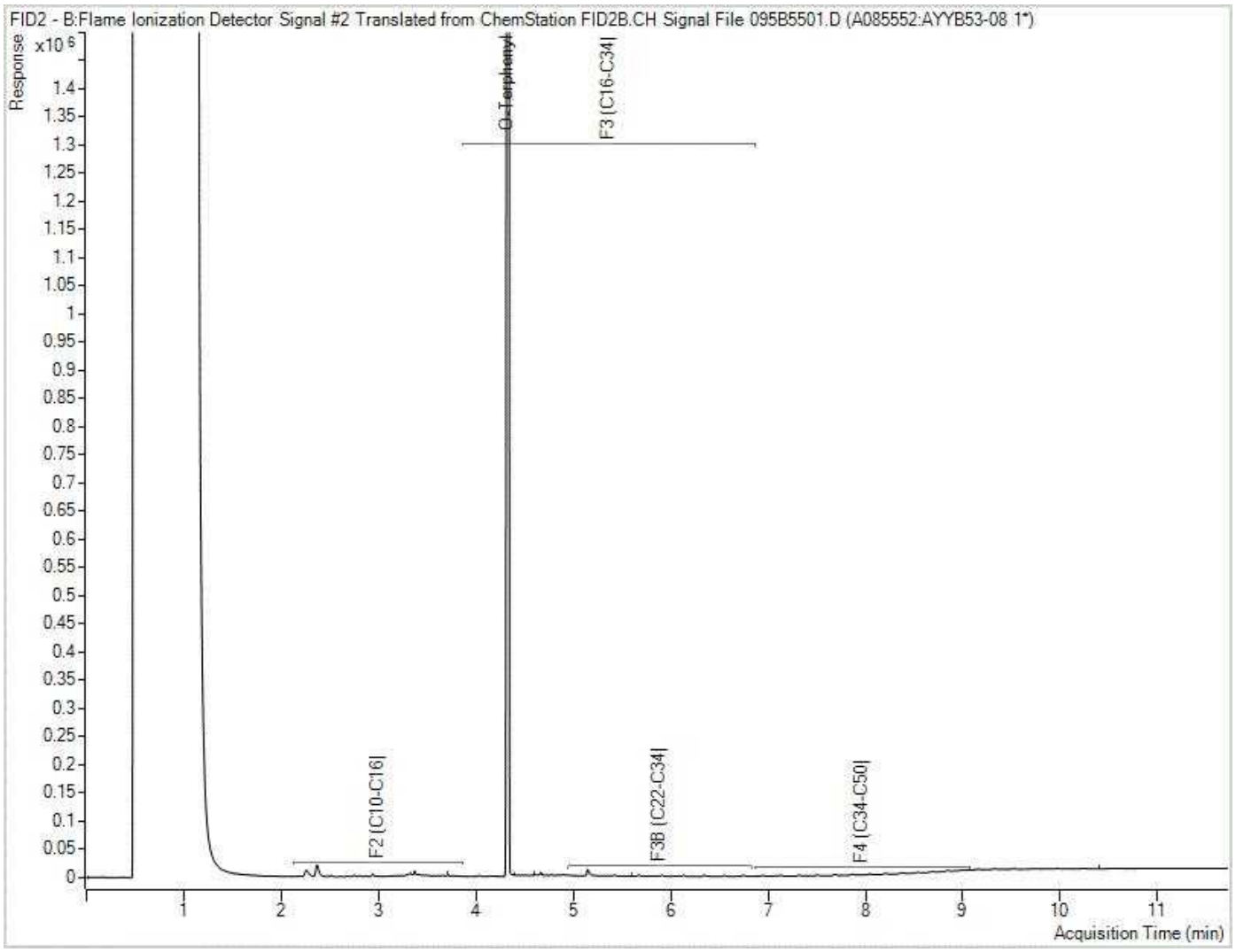
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



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

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



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

Your Project #: 30298433 task 10
Your C.O.C. #: C#1097770-01-01

Attention: Justin Cameron

ARCADIS Canada Inc
500-333 Preston Street
Ottawa, ON
CANADA K1S 5N4

Report Date: 2026/03/26
Report #: R8714601
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C629147
Received: 2026/03/20, 15:50

Sample Matrix: Water
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Petroleum Hydro. CCME F1 & BTEX in Water (1)	6	N/A	2026/03/26	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	6	2026/03/25	2026/03/26	CAM SOP-00316	CCME PHC-CWS 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.
(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.

Your Project #: 30298433 task 10
Your C.O.C. #: C#1097770-01-01

Attention: Justin Cameron

ARCADIS Canada Inc
500-333 Preston Street
Ottawa, ON
CANADA K1S 5N4

Report Date: 2026/03/26
Report #: R8714601
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C629147
Received: 2026/03/20, 15:50

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

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

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

Bureau Veritas ID		BAZO91	BAZO92			BAZO92		
Sampling Date		2026/03/20 10:12	2026/03/20 11:40			2026/03/20 11:40		
COC Number		C#1097770-01-01	C#1097770-01-01			C#1097770-01-01		
	UNITS	**MW25-02**	**MW25-01**	**RDL**	**QC Batch**	**MW25-01 Lab-Dup**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons								
Benzene	ug/L	<0.20	<0.20	0.20	A121836			
Toluene	ug/L	<0.20	<0.20	0.20	A121836			
Ethylbenzene	ug/L	<0.20	<0.20	0.20	A121836			
o-Xylene	ug/L	<0.20	<0.20	0.20	A121836			
p+m-Xylene	ug/L	<0.40	<0.40	0.40	A121836			
Total Xylenes	ug/L	<0.40	<0.40	0.40	A121836			
F1 (C6-C10)	ug/L	<25	<25	25	A121836			
F1 (C6-C10) - BTEX	ug/L	<25	<25	25	A121836			
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/L	<90	<90	90	A121181	<90	90	A121181
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	200	A121181	<200	200	A121181
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	200	A121181	<200	200	A121181
Reached Baseline at C50	ug/L	Yes	Yes		A121181	Yes		A121181
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	104	107		A121836			
4-Bromofluorobenzene	%	93	96		A121836			
D10-o-Xylene	%	108	110		A121836			
D4-1,2-Dichloroethane	%	108	104		A121836			
o-Terphenyl	%	112	107		A121181	107		A121181

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

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

Bureau Veritas ID		BAZO93	BAZO94	BAZO95	BAZO96		
Sampling Date		2026/03/20 12:40	2026/03/20	2026/03/20 12:00	2026/03/20		
COC Number		C#1097770-01-01	C#1097770-01-01	C#1097770-01-01	C#1097770-01-01		
	UNITS	**MW25-04**	**TRIP BLANK**	**FIELD BLANK**	**MW25-51**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons							
Benzene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A121836
Toluene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A121836
Ethylbenzene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A121836
o-Xylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A121836
p+m-Xylene	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	A121836
Total Xylenes	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	A121836
F1 (C6-C10)	ug/L	<25	<25	<25	<25	25	A121836
F1 (C6-C10) - BTEX	ug/L	<25	<25	<25	<25	25	A121836
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/L	<90	<90	<90	<90	90	A121181
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	<200	<200	200	A121181
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	<200	<200	200	A121181
Reached Baseline at C50	ug/L	Yes	Yes	Yes	Yes		A121181
Surrogate Recovery (%)							
1,4-Difluorobenzene	%	110	108	106	106		A121836
4-Bromofluorobenzene	%	91	92	94	94		A121836
D10-o-Xylene	%	110	111	106	109		A121836
D4-1,2-Dichloroethane	%	102	105	106	109		A121836
o-Terphenyl	%	111	112	114	109		A121181

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C629147
Report Date: 2026/03/26

ARCADIS Canada Inc
Client Project #: 30298433 task 10
Sampler Initials: JC

TEST SUMMARY

Bureau Veritas ID: BAZO91 **Collected:** 2026/03/20
Sample ID: MW25-02 **Shipped:**
Matrix: Water **Received:** 2026/03/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	A121836	N/A	2026/03/26	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A121181	2026/03/25	2026/03/26	Jeevaraj Jeevaratrnam

Bureau Veritas ID: BAZO92 **Collected:** 2026/03/20
Sample ID: MW25-01 **Shipped:**
Matrix: Water **Received:** 2026/03/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	A121836	N/A	2026/03/26	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A121181	2026/03/25	2026/03/26	Jeevaraj Jeevaratrnam

Bureau Veritas ID: BAZO92 Dup **Collected:** 2026/03/20
Sample ID: MW25-01 **Shipped:**
Matrix: Water **Received:** 2026/03/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A121181	2026/03/25	2026/03/26	Jeevaraj Jeevaratrnam

Bureau Veritas ID: BAZO93 **Collected:** 2026/03/20
Sample ID: MW25-04 **Shipped:**
Matrix: Water **Received:** 2026/03/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	A121836	N/A	2026/03/26	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A121181	2026/03/25	2026/03/26	Jeevaraj Jeevaratrnam

Bureau Veritas ID: BAZO94 **Collected:** 2026/03/20
Sample ID: TRIP BLANK **Shipped:**
Matrix: Water **Received:** 2026/03/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	A121836	N/A	2026/03/26	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A121181	2026/03/25	2026/03/26	Jeevaraj Jeevaratrnam

Bureau Veritas ID: BAZO95 **Collected:** 2026/03/20
Sample ID: FIELD BLANK **Shipped:**
Matrix: Water **Received:** 2026/03/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	A121836	N/A	2026/03/26	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A121181	2026/03/25	2026/03/26	Jeevaraj Jeevaratrnam

Bureau Veritas Job #: C629147
Report Date: 2026/03/26

ARCADIS Canada Inc
Client Project #: 30298433 task 10
Sampler Initials: JC

TEST SUMMARY

Bureau Veritas ID: BAZO96
Sample ID: MW25-51
Matrix: Water

Collected: 2026/03/20
Shipped:
Received: 2026/03/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	A121836	N/A	2026/03/26	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A121181	2026/03/25	2026/03/26	Jeevaraj Jeevaratrnam

GENERAL COMMENTS

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

Package 1	5.7°C

Results relate only to the items tested.

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

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
A121181	o-Terphenyl	2026/03/26	123	60 - 140	128	60 - 140	129	%		
A121836	1,4-Difluorobenzene	2026/03/26	99	70 - 130	100	70 - 130	106	%		
A121836	4-Bromofluorobenzene	2026/03/26	100	70 - 130	98	70 - 130	94	%		
A121836	D10-o-Xylene	2026/03/26	108	70 - 130	110	70 - 130	108	%		
A121836	D4-1,2-Dichloroethane	2026/03/26	104	70 - 130	99	70 - 130	104	%		
A121181	F2 (C10-C16 Hydrocarbons)	2026/03/26	117	60 - 140	111	60 - 140	<90	ug/L	NC	30
A121181	F3 (C16-C34 Hydrocarbons)	2026/03/26	127	60 - 140	123	60 - 140	<200	ug/L	NC	30
A121181	F4 (C34-C50 Hydrocarbons)	2026/03/26	121	60 - 140	110	60 - 140	<200	ug/L	NC	30
A121836	Benzene	2026/03/26	103	50 - 140	102	50 - 140	<0.20	ug/L	NC	30
A121836	Ethylbenzene	2026/03/26	107	50 - 140	108	50 - 140	<0.20	ug/L	NC	30
A121836	F1 (C6-C10) - BTEX	2026/03/26					<25	ug/L	NC	30
A121836	F1 (C6-C10)	2026/03/26	118	60 - 140	119	60 - 140	<25	ug/L	NC	30
A121836	o-Xylene	2026/03/26	107	50 - 140	107	50 - 140	<0.20	ug/L	NC	30
A121836	p+m-Xylene	2026/03/26	102	50 - 140	104	50 - 140	<0.40	ug/L	NC	30
A121836	Toluene	2026/03/26	97	50 - 140	97	50 - 140	<0.20	ug/L	NC	30
A121836	Total Xylenes	2026/03/26					<0.40	ug/L	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.

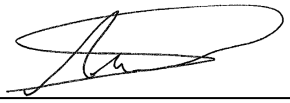
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

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

NC (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).

VALIDATION SIGNATURE PAGE

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



Arabee Pereira, Consulting Scientist

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

C629147
2026/03/20 15:50

Page 1 of 1

Bureau Veritas
36 Antares Dr Unit 100, Nepean, Ontario Canada K2E 7W5 Tel:(613) 274-0573 Toll-free:800-563-6266 Fax:(613) 274-0574 www.bvna.com

Received in Ottawa

CHAIN OF CUSTODY RECORD

Invoice To:		Report To:		PROJECT INFORMATION:		Laboratory Use Only:	
Company:	#10988 ARCADIS Canada Inc	Company:		Quotation #:	C45635	Bureau Veritas Job #:	Bottle Order #:
Attention:	Accounts Payable Canada	Attention:	Justin Cameron	P.O. #:			1097770
Address:	500-333 Preston Street	Address:		Project:	30298433 task 10	COC #:	Project Manager:
	Ottawa ON K1S 5N4			Project Name:		C#1097770-01-01	Katherine Szozda
Tel:	(613) 721-0555 Fax: (613) 721-0029	Tel:	Fax:	Site #:			
Email:	invoices_ca@arcadis.com	Email:	justin.cameron@arcadis.com	Sampled By:	Justin Cameron		

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☒ Medium/Fine	☐ CCME ☐ Sanitary Sewer Bylaw	
☐ Table 2 ☒ Ind/Comm ☐ Coarse	☐ Reg 558 ☐ Storm Sewer Bylaw	
☒ Table 3 ☐ Agri/Other ☐ For RSC	☐ MISA Municipality	
☐ Table ___	☐ PWQO ☐ Reg 406 Table	
	☐ Other	

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

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	O.Reg 153: PHCs, BTEX/F1-F4	# of Bottles	Comments
1		MW25-02	26/03/20	10:12	GW	X	4	
2		MW25-01	26/03/20	11:40	GW	X	4	
3		MW25-04	26/03/20	12:40	GW	X	4	
4		TRIP BLANK	-	-	GW	X	4	
5		FIELD BLANK	26/03/20	12:00	GW	X	4	
6		MW25-51	26/03/20	-	GW	X	4	
7								
8								
9								
10								

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

Regular (Standard) TAT:
(will be applied if Rush TAT is not specified):
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___
Rush Confirmation Number: ___ *(call lab for #)*

OTT-2026-03-124

* Relinquished By (Print):	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Justin Cameron	26/03/20	14:30	Pedro da Silva	2026/03/20	15:50	

Laboratory Use Only
Time Sensitive
Temperature (°C) on Rece: 5/6/6 (cerain)
Custody Seal Present: Yes ✓ / No
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

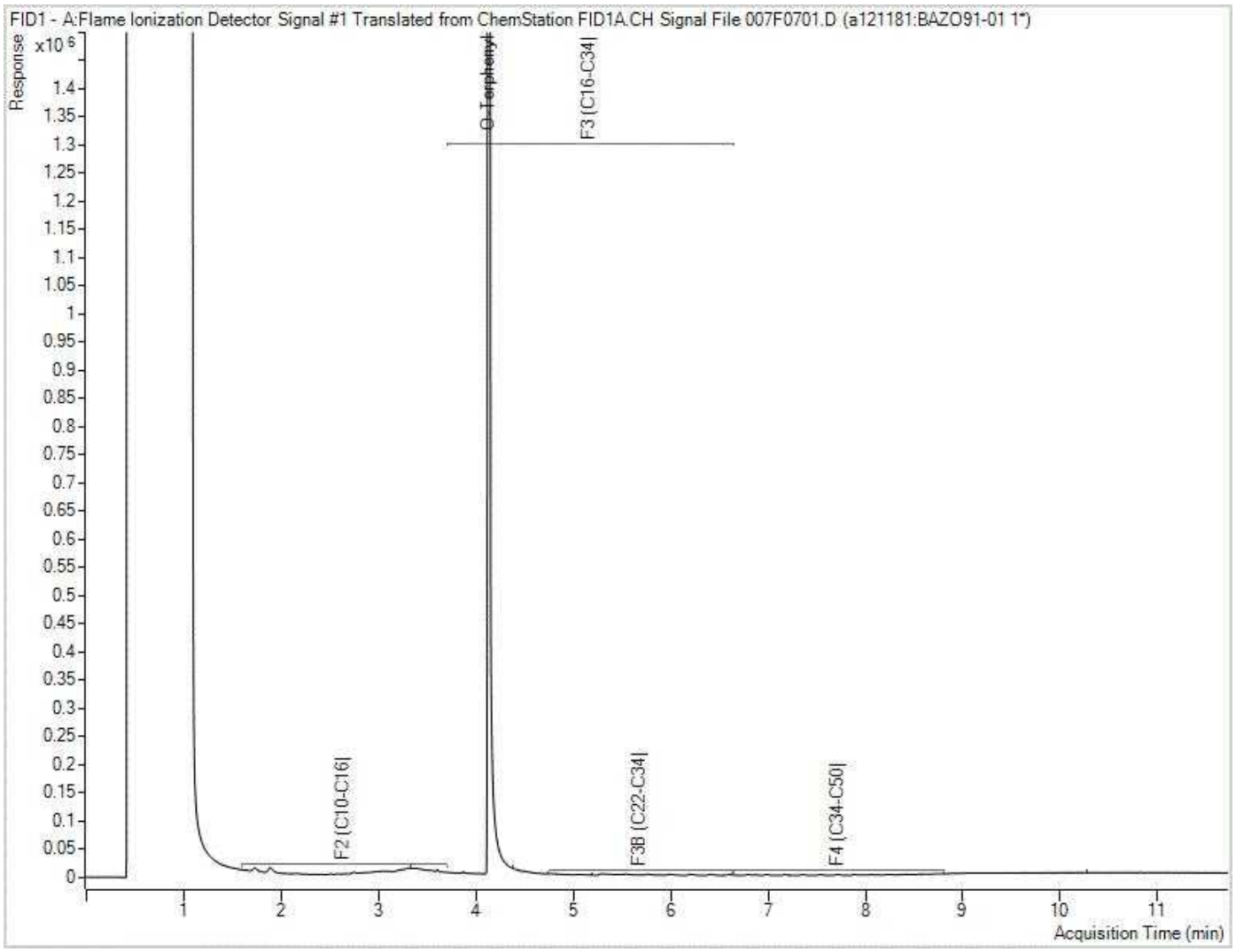
White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2013) Inc.

Bureau Veritas Job #: C629147
Report Date: 2026/03/26
Bureau Veritas Sample: BAZO91

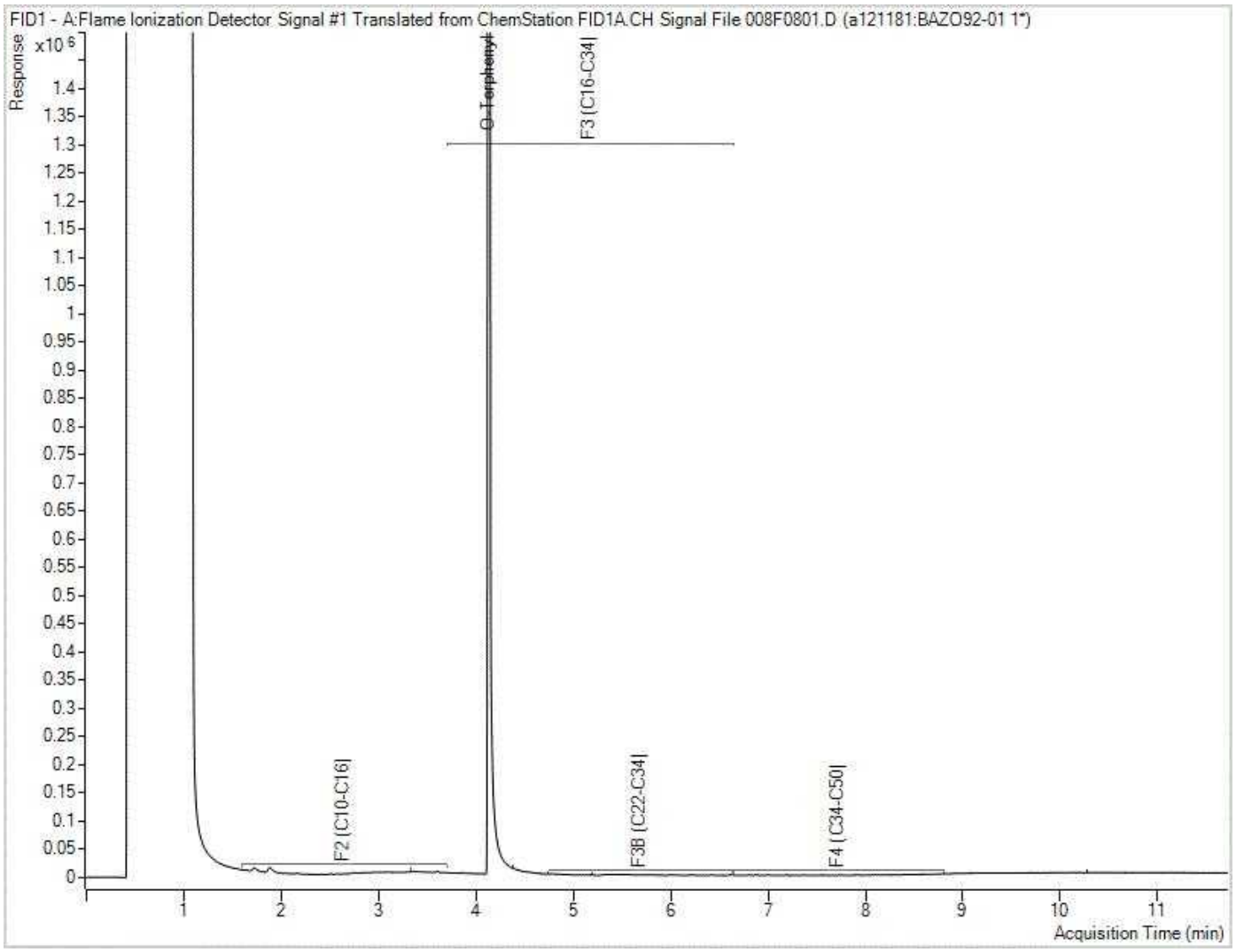
ARCADIS Canada Inc
Client Project #: 30298433 task 10
Client ID: MW25-02

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



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

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

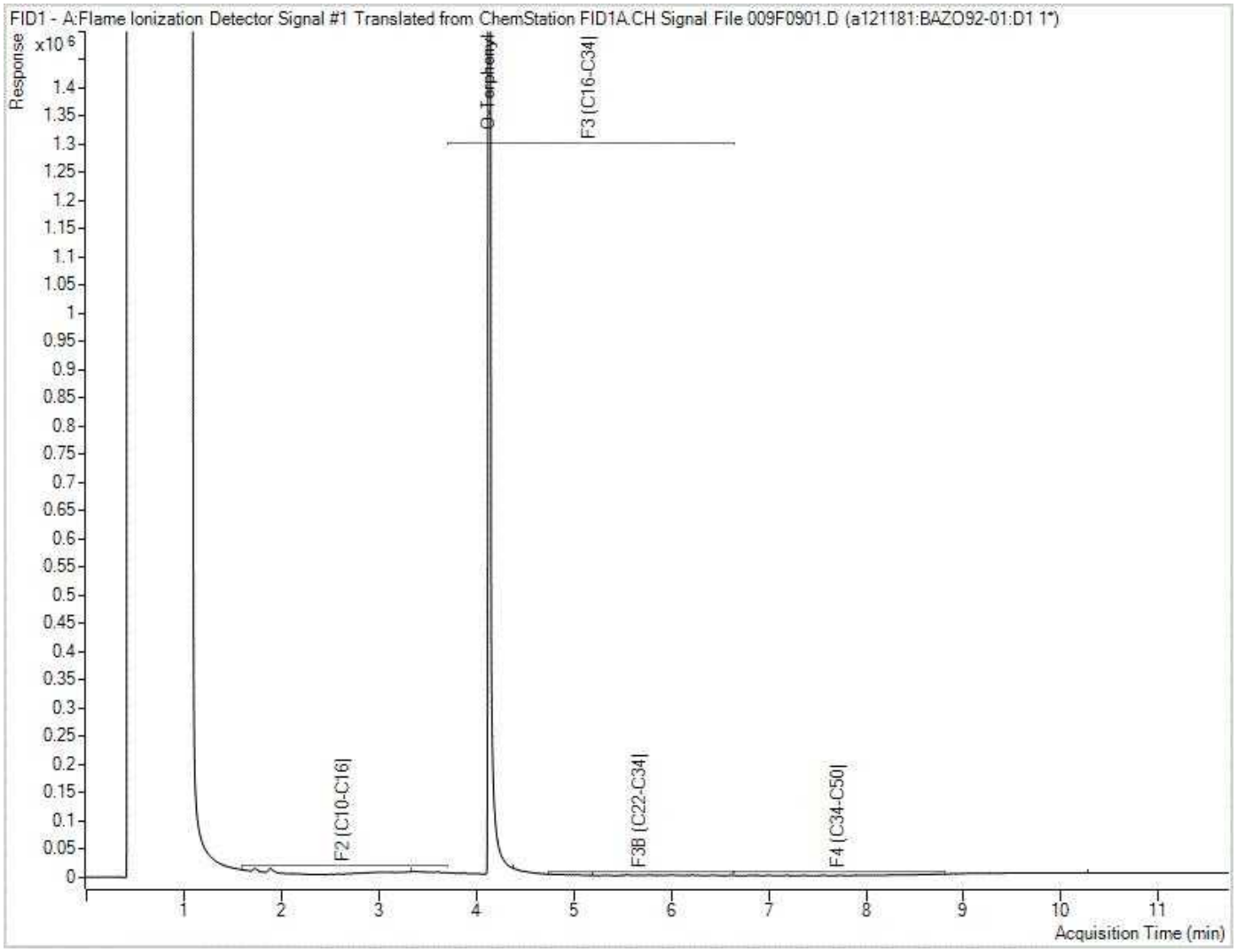


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C629147
Report Date: 2026/03/26
Bureau Veritas Sample: BAZO92 Lab-Dup

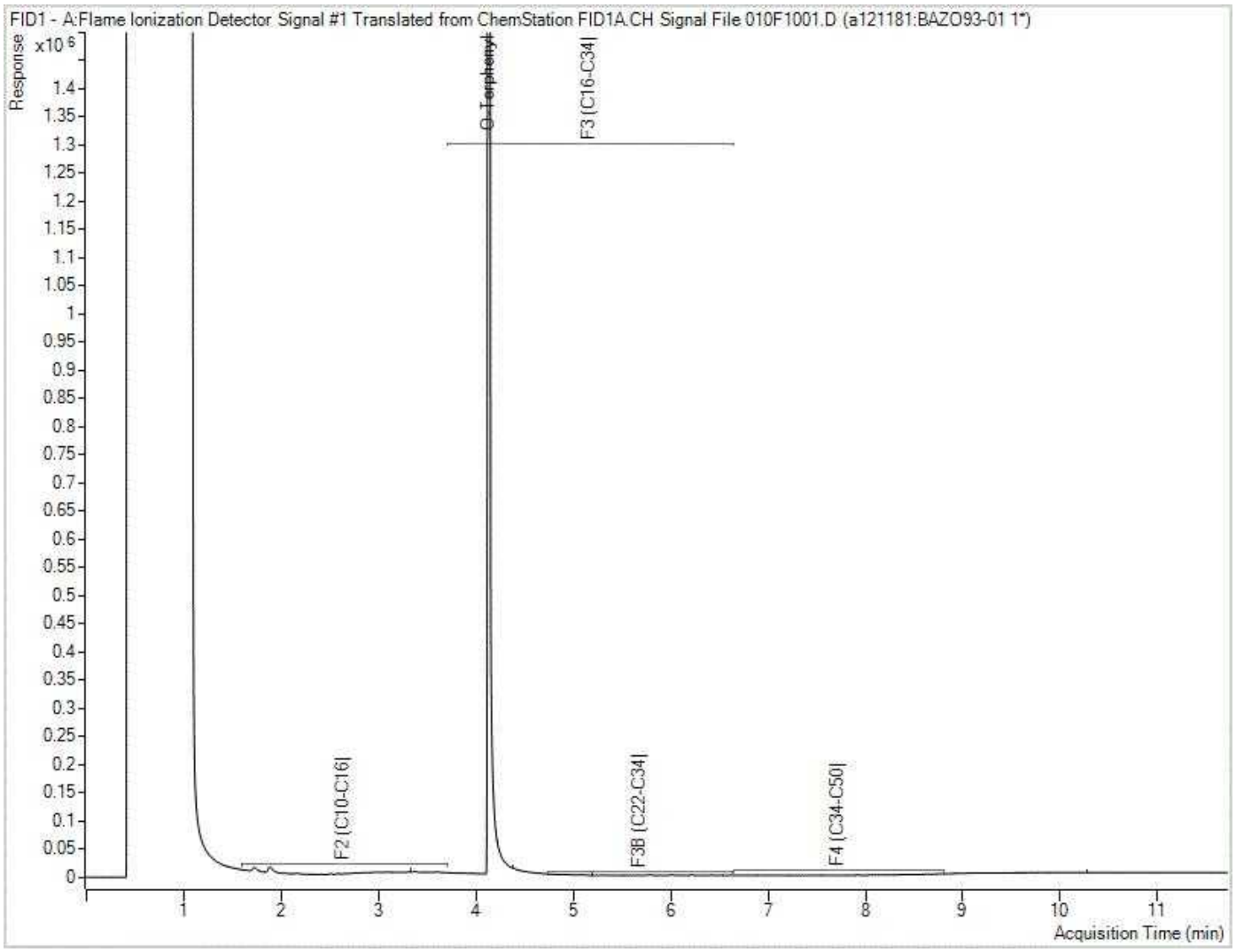
ARCADIS Canada Inc
Client Project #: 30298433 task 10
Client ID: MW25-01

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



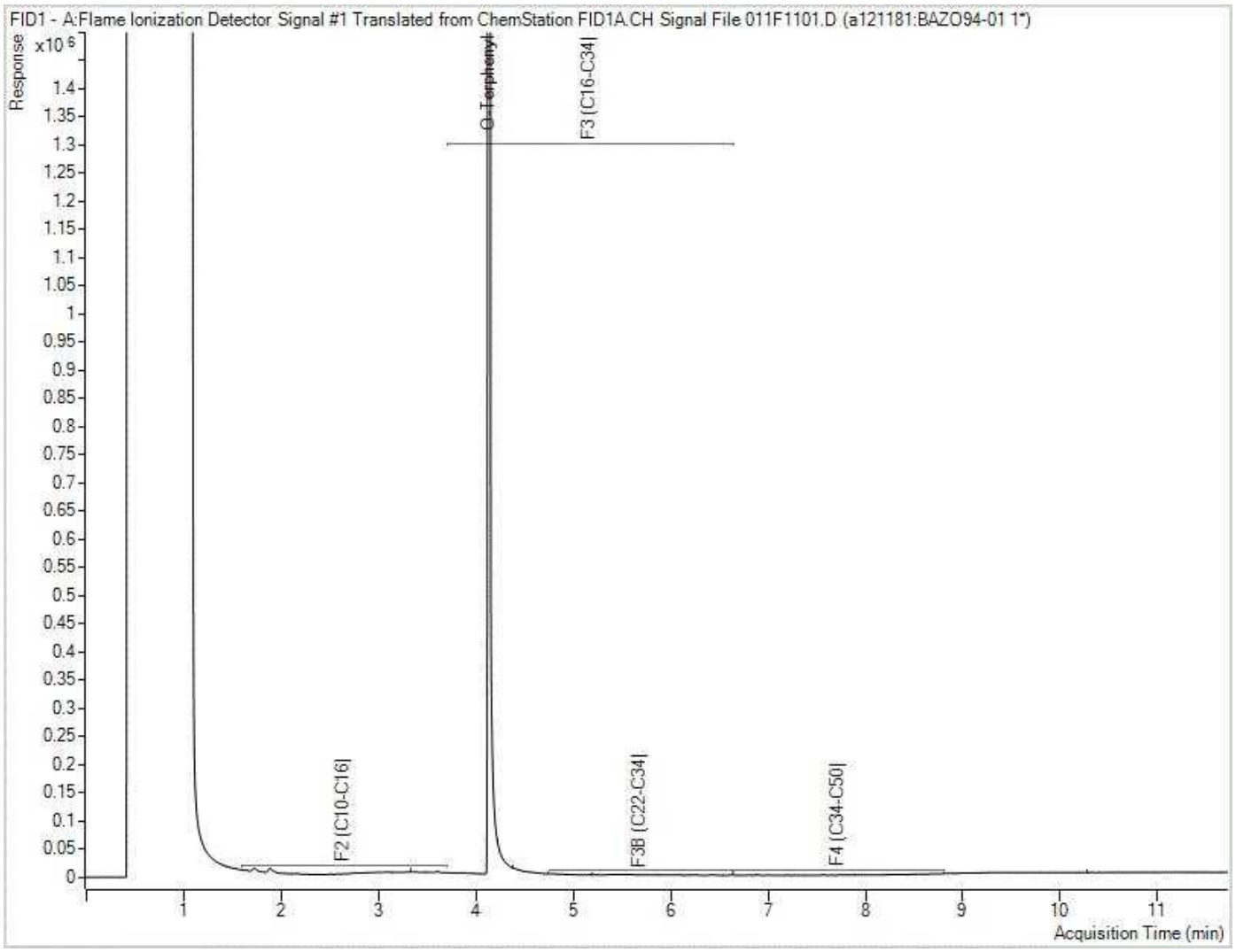
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



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

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

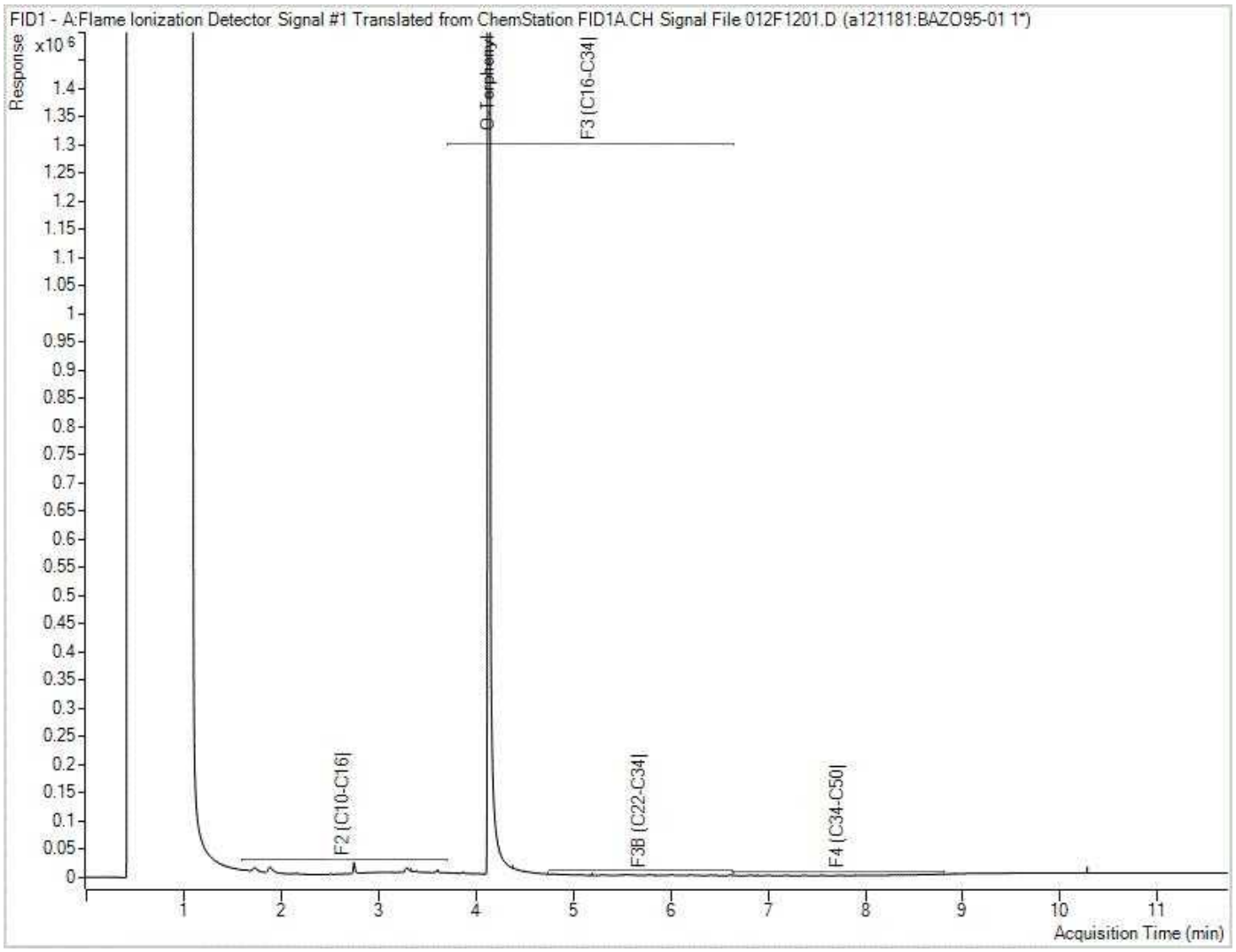


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C629147
Report Date: 2026/03/26
Bureau Veritas Sample: BAZO95

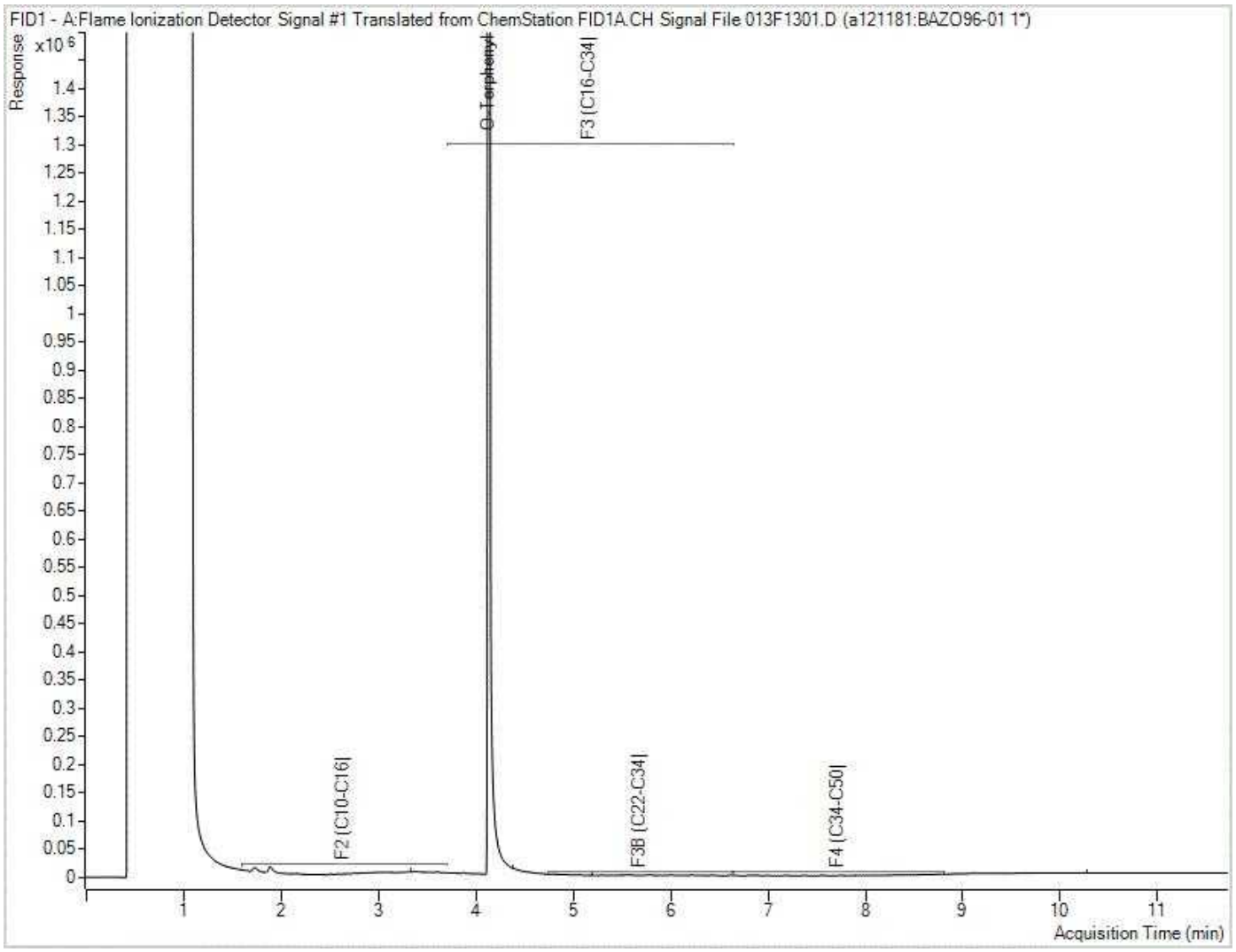
ARCADIS Canada Inc
Client Project #: 30298433 task 10
Client ID: FIELD BLANK

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



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

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



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

Your Project #: 30298433 task 10
Your C.O.C. #: C#1103231-01-01

Attention: Justin Cameron

ARCADIS Canada Inc
500-333 Preston Street
Ottawa, ON
CANADA K1S 5N4

Report Date: 2026/04/15
Report #: R8724243
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C637572
Received: 2026/04/09, 14:02

Sample Matrix: Water
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Petroleum Hydro. CCME F1 & BTEX in Water (1)	4	N/A	2026/04/14	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	4	2026/04/14	2026/04/14	CAM SOP-00316	CCME PHC-CWS 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.
(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.

Your Project #: 30298433 task 10
Your C.O.C. #: C#1103231-01-01

Attention: Justin Cameron

ARCADIS Canada Inc
500-333 Preston Street
Ottawa, ON
CANADA K1S 5N4

Report Date: 2026/04/15
Report #: R8724243
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C637572
Received: 2026/04/09, 14:02

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

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

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

Bureau Veritas ID		BBQB89	BBQB90	BBQB91	BBQB92		
Sampling Date		2026/04/09 12:30	2026/04/09 12:45	2026/04/09 12:00	2026/04/09		
COC Number		C#1103231-01-01	C#1103231-01-01	C#1103231-01-01	C#1103231-01-01		
	UNITS	**MW25-01**	**MW25-51**	**FIELD BLANK**	**TRIP BLANK**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons							
Benzene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A132254
Toluene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A132254
Ethylbenzene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A132254
o-Xylene	ug/L	<0.20	<0.20	<0.20	<0.20	0.20	A132254
p+m-Xylene	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	A132254
Total Xylenes	ug/L	<0.40	<0.40	<0.40	<0.40	0.40	A132254
F1 (C6-C10)	ug/L	<25	<25	<25	<25	25	A132254
F1 (C6-C10) - BTEX	ug/L	<25	<25	<25	<25	25	A132254
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/L	<90	<90	<90	<90	90	A132163
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	<200	<200	200	A132163
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	<200	<200	200	A132163
Reached Baseline at C50	ug/L	Yes	Yes	Yes	Yes		A132163
Surrogate Recovery (%)							
1,4-Difluorobenzene	%	105	101	102	100		A132254
4-Bromofluorobenzene	%	96	98	97	99		A132254
D10-o-Xylene	%	92	91	90	91		A132254
D4-1,2-Dichloroethane	%	105	109	111	105		A132254
o-Terphenyl	%	98	97	95	97		A132163

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

TEST SUMMARY

Bureau Veritas ID: BBQB89 **Collected:** 2026/04/09
Sample ID: MW25-01 **Shipped:**
Matrix: Water **Received:** 2026/04/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	A132254	N/A	2026/04/14	Lincoln Ramdahin
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A132163	2026/04/14	2026/04/14	Agnieszka Brzuzy-Snopko

Bureau Veritas ID: BBQB90 **Collected:** 2026/04/09
Sample ID: MW25-51 **Shipped:**
Matrix: Water **Received:** 2026/04/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	A132254	N/A	2026/04/14	Lincoln Ramdahin
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A132163	2026/04/14	2026/04/14	Agnieszka Brzuzy-Snopko

Bureau Veritas ID: BBQB91 **Collected:** 2026/04/09
Sample ID: FIELD BLANK **Shipped:**
Matrix: Water **Received:** 2026/04/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	A132254	N/A	2026/04/14	Lincoln Ramdahin
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A132163	2026/04/14	2026/04/14	Agnieszka Brzuzy-Snopko

Bureau Veritas ID: BBQB92 **Collected:** 2026/04/09
Sample ID: TRIP BLANK **Shipped:**
Matrix: Water **Received:** 2026/04/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	A132254	N/A	2026/04/14	Lincoln Ramdahin
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	A132163	2026/04/14	2026/04/14	Agnieszka Brzuzy-Snopko

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

GENERAL COMMENTS

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

Package 1	12.0°C

Results relate only to the items tested.

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

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
A132163	o-Terphenyl	2026/04/14	98	60 - 140	98	60 - 140	98	%		
A132254	1,4-Difluorobenzene	2026/04/14	97	70 - 130	102	70 - 130	103	%		
A132254	4-Bromofluorobenzene	2026/04/14	99	70 - 130	98	70 - 130	97	%		
A132254	D10-o-Xylene	2026/04/14	95	70 - 130	96	70 - 130	92	%		
A132254	D4-1,2-Dichloroethane	2026/04/14	102	70 - 130	99	70 - 130	102	%		
A132163	F2 (C10-C16 Hydrocarbons)	2026/04/14	94	60 - 140	93	60 - 140	<90	ug/L	3.0	30
A132163	F3 (C16-C34 Hydrocarbons)	2026/04/14	109	60 - 140	108	60 - 140	<200	ug/L	NC	30
A132163	F4 (C34-C50 Hydrocarbons)	2026/04/14	104	60 - 140	101	60 - 140	<200	ug/L	NC	30
A132254	Benzene	2026/04/14	83	50 - 140	86	50 - 140	<0.20	ug/L	NC	30
A132254	Ethylbenzene	2026/04/14	93	50 - 140	97	50 - 140	<0.20	ug/L	NC	30
A132254	F1 (C6-C10) - BTEX	2026/04/14					<25	ug/L	NC	30
A132254	F1 (C6-C10)	2026/04/14	105	60 - 140	106	60 - 140	<25	ug/L	NC	30
A132254	o-Xylene	2026/04/14	92	50 - 140	94	50 - 140	<0.20	ug/L	NC	30
A132254	p+m-Xylene	2026/04/14	89	50 - 140	92	50 - 140	<0.40	ug/L	NC	30
A132254	Toluene	2026/04/14	83	50 - 140	86	50 - 140	<0.20	ug/L	NC	30
A132254	Total Xylenes	2026/04/14					<0.40	ug/L	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 (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).

VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

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

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

C637572
2026/04/09 14:02

Bureau Veritas
36 Antares Dr Unit 100, Nepean, Ontario Canada K2E 7W5 Tel:(613) 274-0573 Toll-free:800-563-6266 Fax:(613) 274-0574 www.bvna.com

Received in Ottawa

CHAIN OF CUSTODY RECORD

Invoice To:		Report To:		PROJECT INFORMATION:		Laboratory Use Only:	
Company:	#10988 ARCADIS Canada Inc	Company:		Quotation #:	C45635	Bureau Veritas Job #:	Bottle Order #:
Attention:	Accounts Payable Canada	Attention:	Justin Cameron	P.O. #:			1103231
Address:	500-333 Preston Street Ottawa ON K1S 5N4	Address:		Project:	30298433 task 10	COC #:	Project Manager:
Tel:	(613) 721-0555 Fax: (613) 721-0029	Tel:	Fax:	Project Name:		C#1103231-01-01	Katherine Szozda
Email:	invoices_ca@arcadis.com	Email:	justin.cameron@arcadis.com	Site #:			
				Sampled By:	JC		

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☒ Medium/Fine ☐ Table 2 ☒ Ind/Comm ☐ Coarse ☒ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558. ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

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

Regular (Standard) TAT: ☒
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___ ☐
Rush Confirmation Number: ___ *(call lab for #)*

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	O.Reg 153 PHCs, BTEX/F1-F4	# of Bottles	Comments
1	~~MW~~	MW25-01	26/04/09	12:30	GW		X	4	
2		MW25-51	↓	12:45	GW		X	4	
3		FIELD BLANK		12:00	GW		X	4	
4		TRIP BLANK	↓	-	GW		X	3	
5									
6									
7									
8									
9									
10									

OTT-2026-04-081

* Relinquished By (Print):	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
Justin Cameron	26/04/09	15:00	Pedro da Silva	2026/04/09	14:02	N/A	Time Sensitive	Temperature (°C) on Recei	Custody Seal	Yes	No
								16/10/10 (ice)	Present Intact	✓ ✓	

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

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

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

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

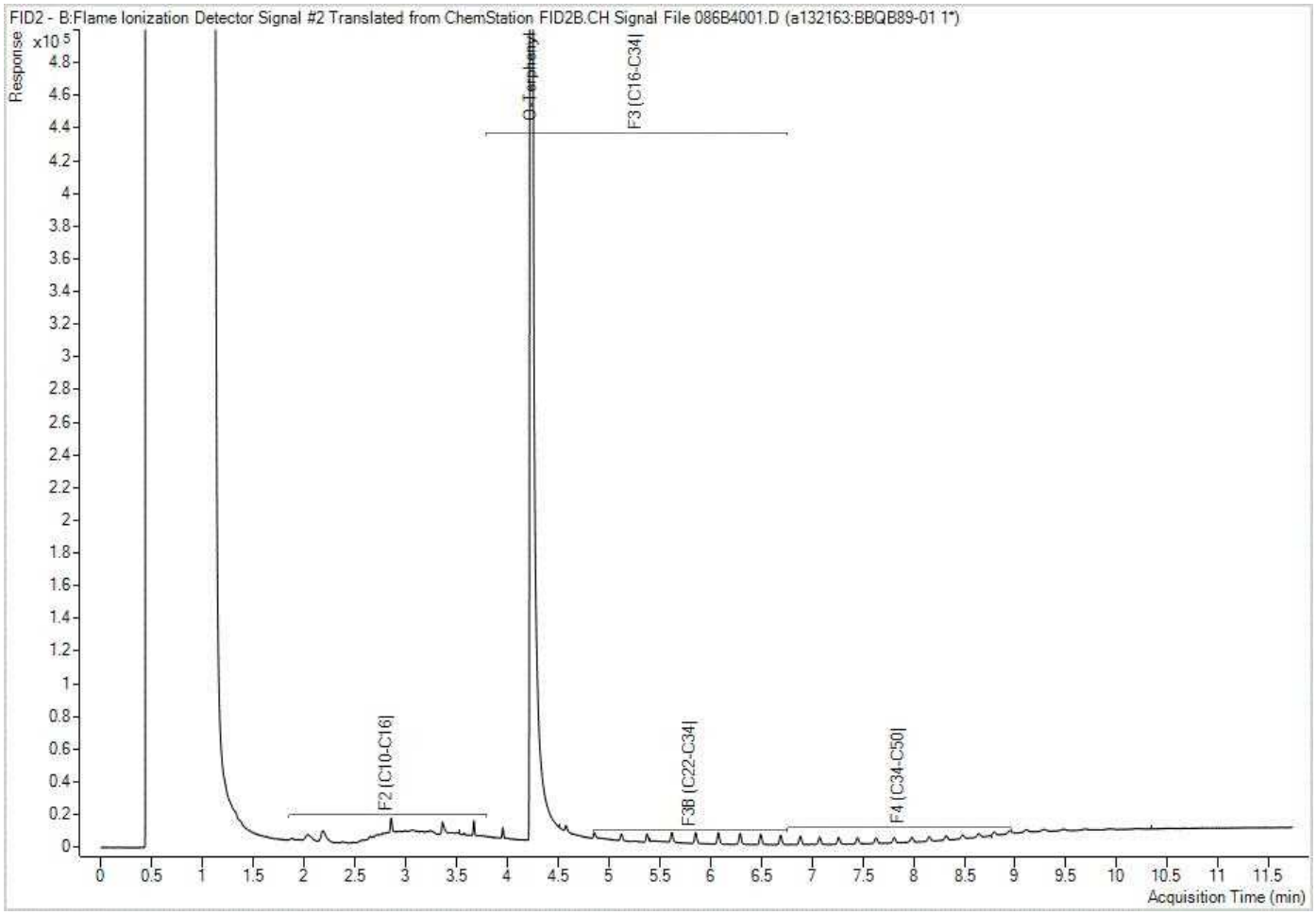
White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

Bureau Veritas Job #: C637572
Report Date: 2026/04/15
Bureau Veritas Sample: BBQB89

ARCADIS Canada Inc
Client Project #: 30298433 task 10
Client ID: MW25-01

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

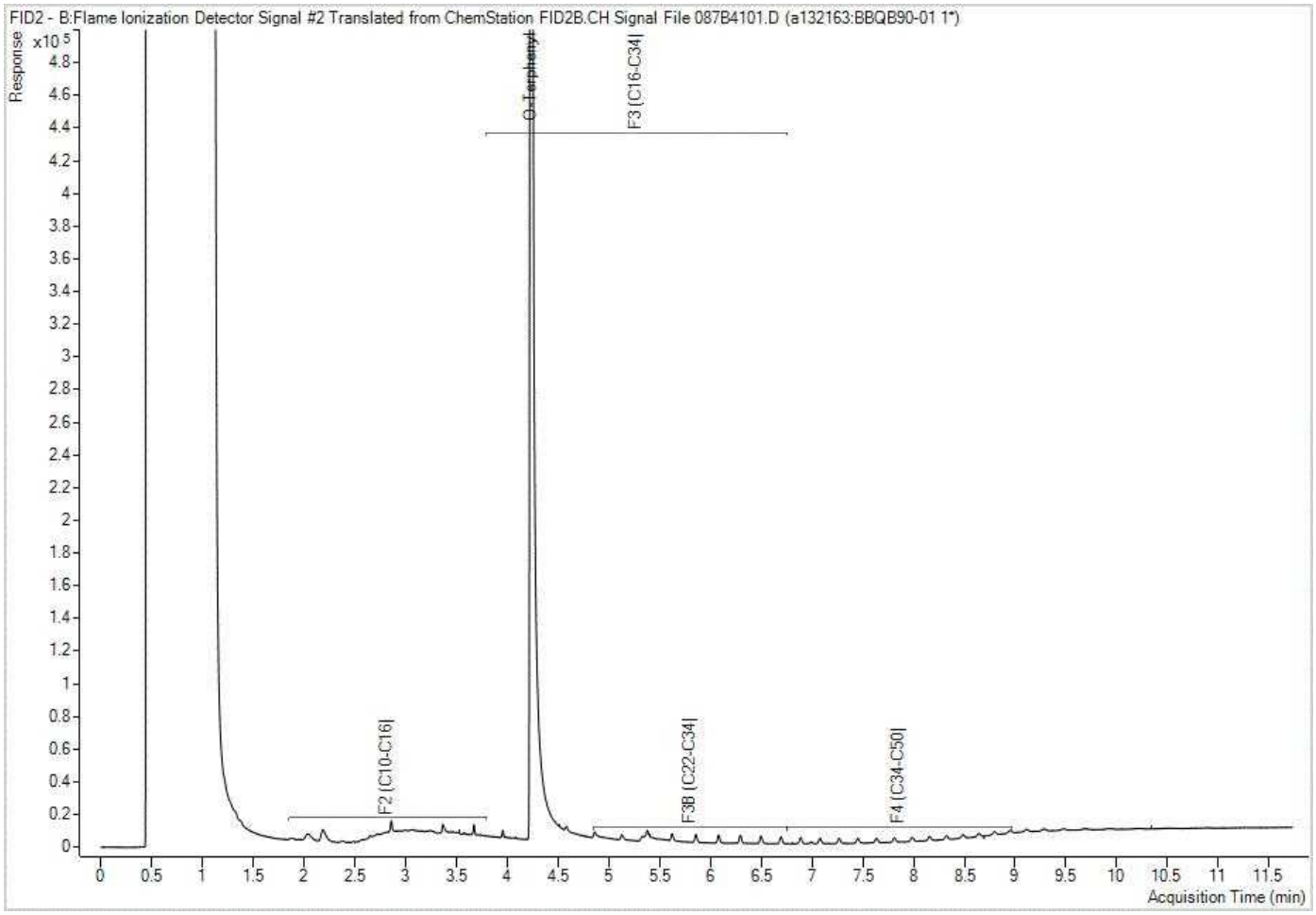


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C637572
Report Date: 2026/04/15
Bureau Veritas Sample: BBQB90

ARCADIS Canada Inc
Client Project #: 30298433 task 10
Client ID: MW25-51

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

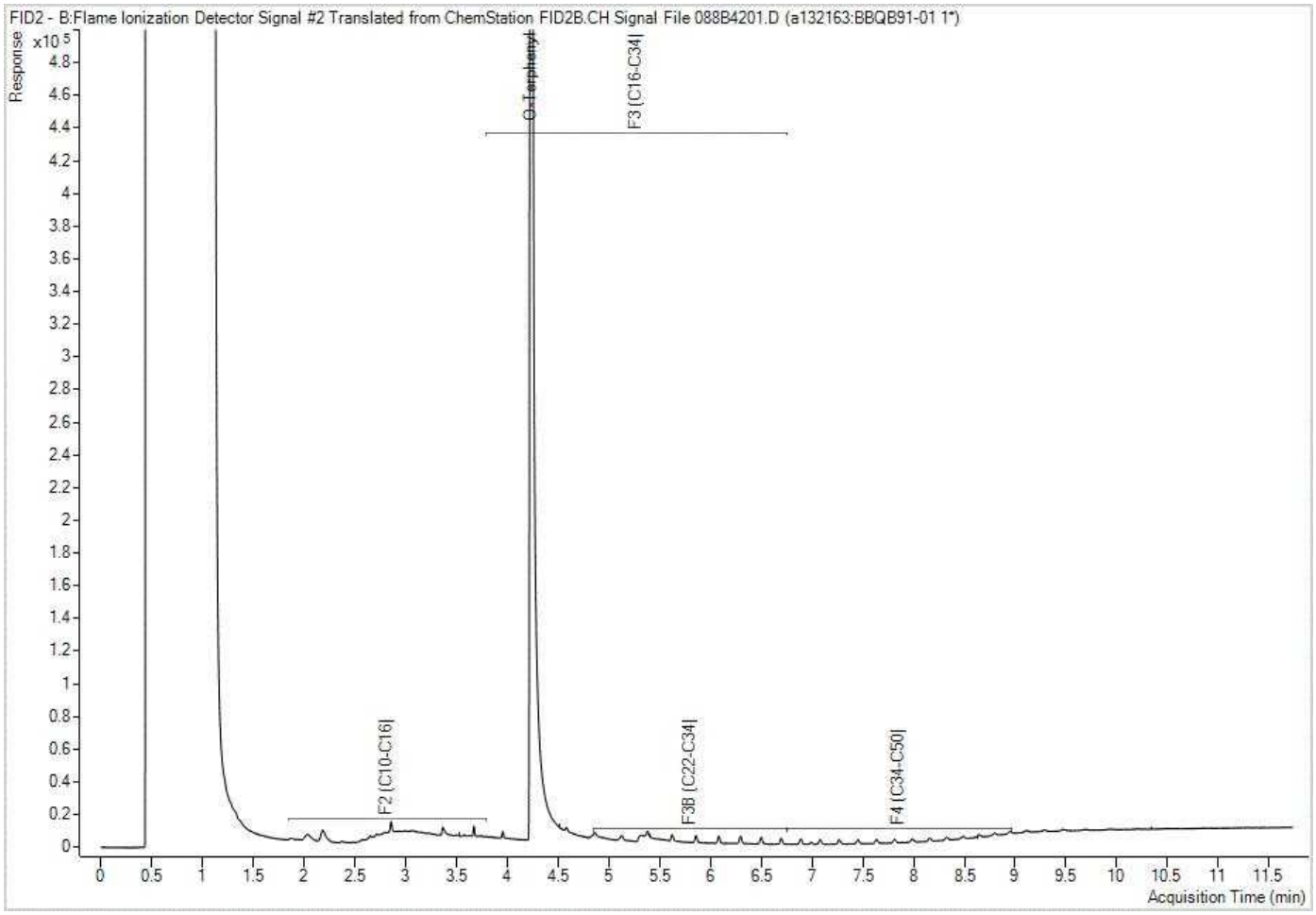


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C637572
Report Date: 2026/04/15
Bureau Veritas Sample: BBQB91

ARCADIS Canada Inc
Client Project #: 30298433 task 10
Client ID: FIELD BLANK

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

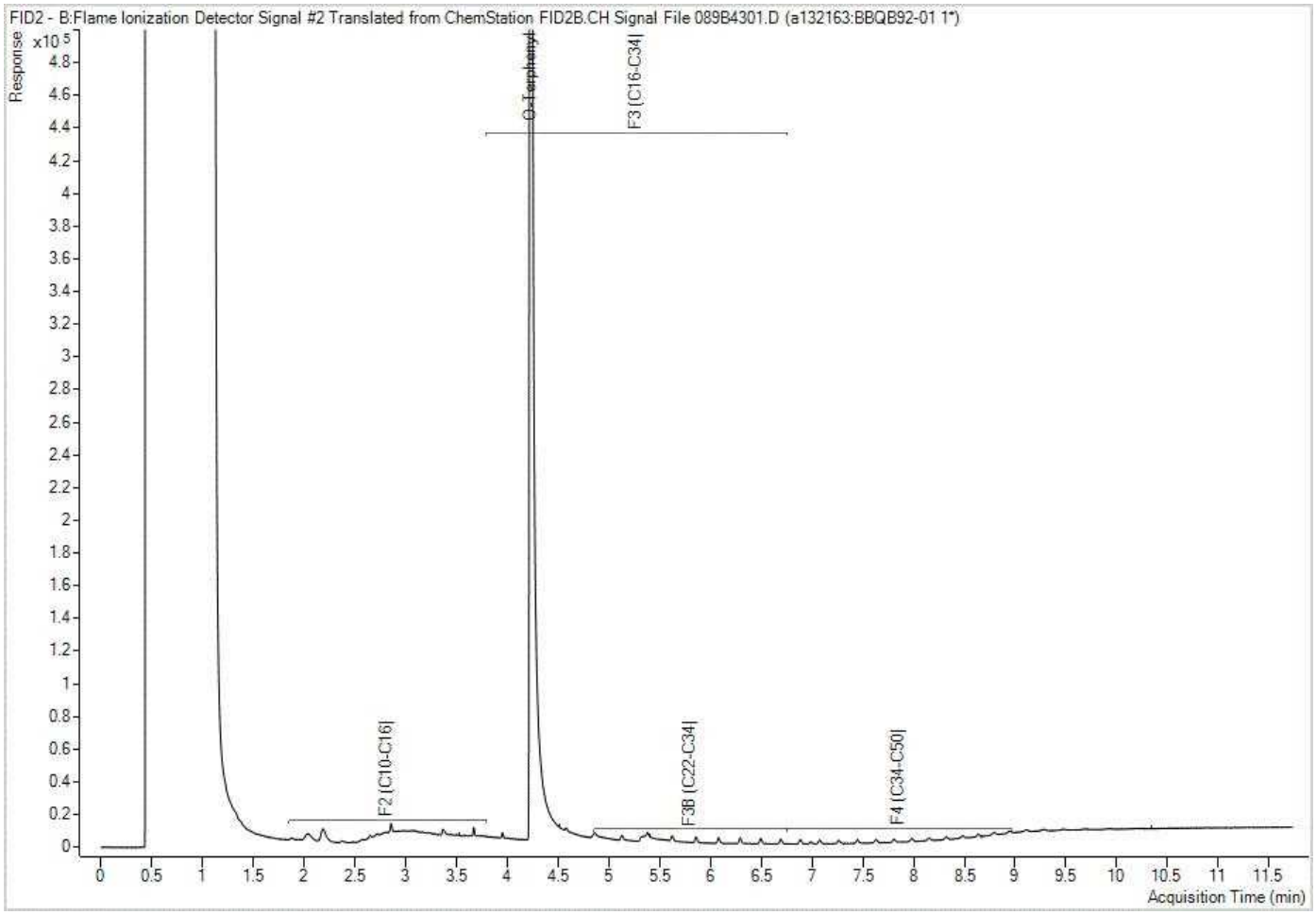


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C637572
Report Date: 2026/04/15
Bureau Veritas Sample: BBQB92

ARCADIS Canada Inc
Client Project #: 30298433 task 10
Client ID: TRIP BLANK

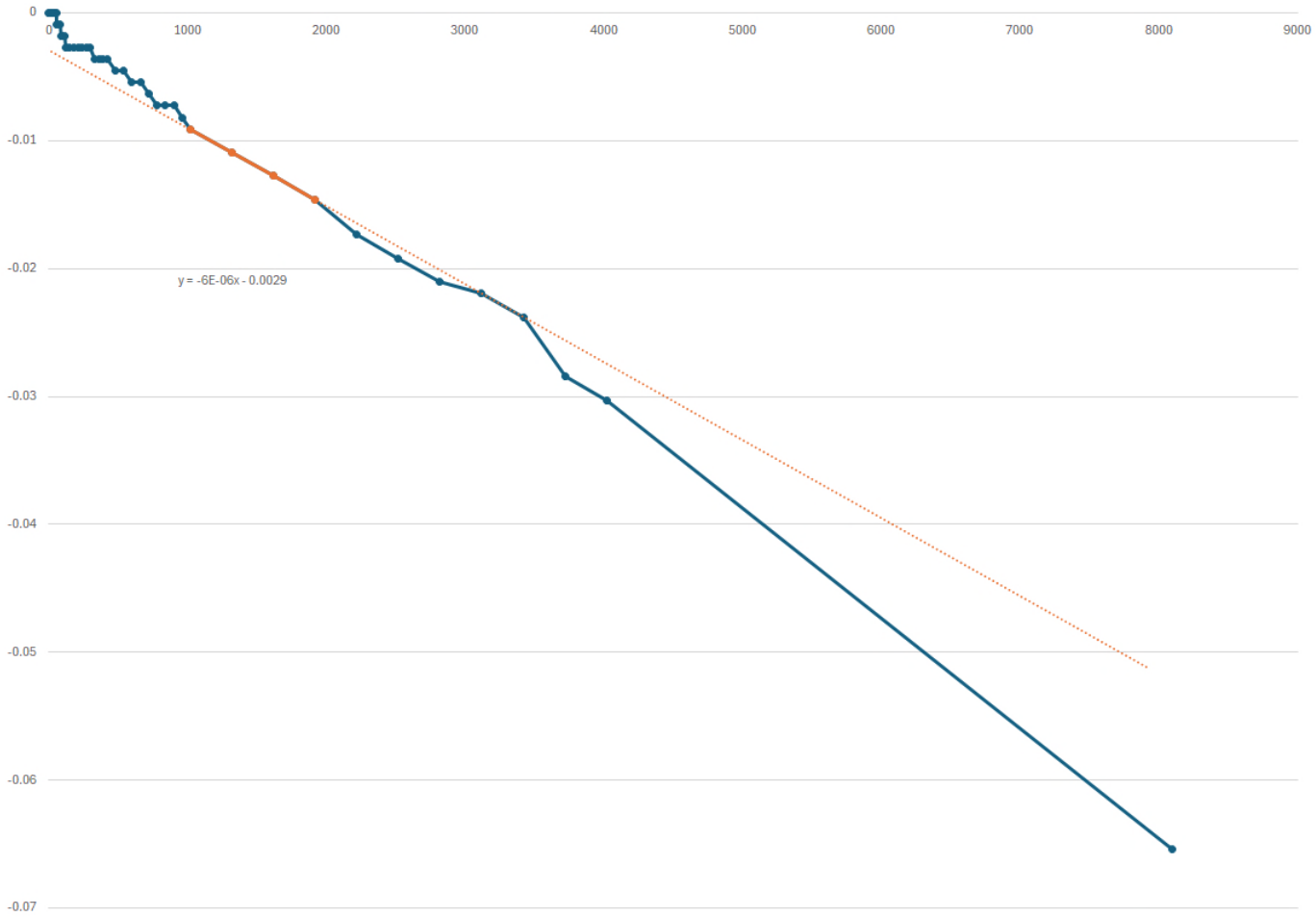
Petroleum Hydrocarbons F2-F4 in Water Chromatogram



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

Appendix I

Hydraulic Conductivity Testing



HYDRAULIC CONDUCTIVITY TEST ANALYSIS

Date: March 20, 2026 **Time: 11:00**

PROJECT INFORMATION

Company: Arcadis Professional Services (Canada) Inc.
Client: Cisco Systems (Canada) Co.
Project: 30298433
Location: 2000 and 3000 Innovation Drive, Ottawa, ON
Test Well: MW25-01
Test Date: March 20, 2026

Formula: $$K = \frac{r_c^2}{2Lt^*} \ln\left(\frac{r_e}{r_w}\right)$$

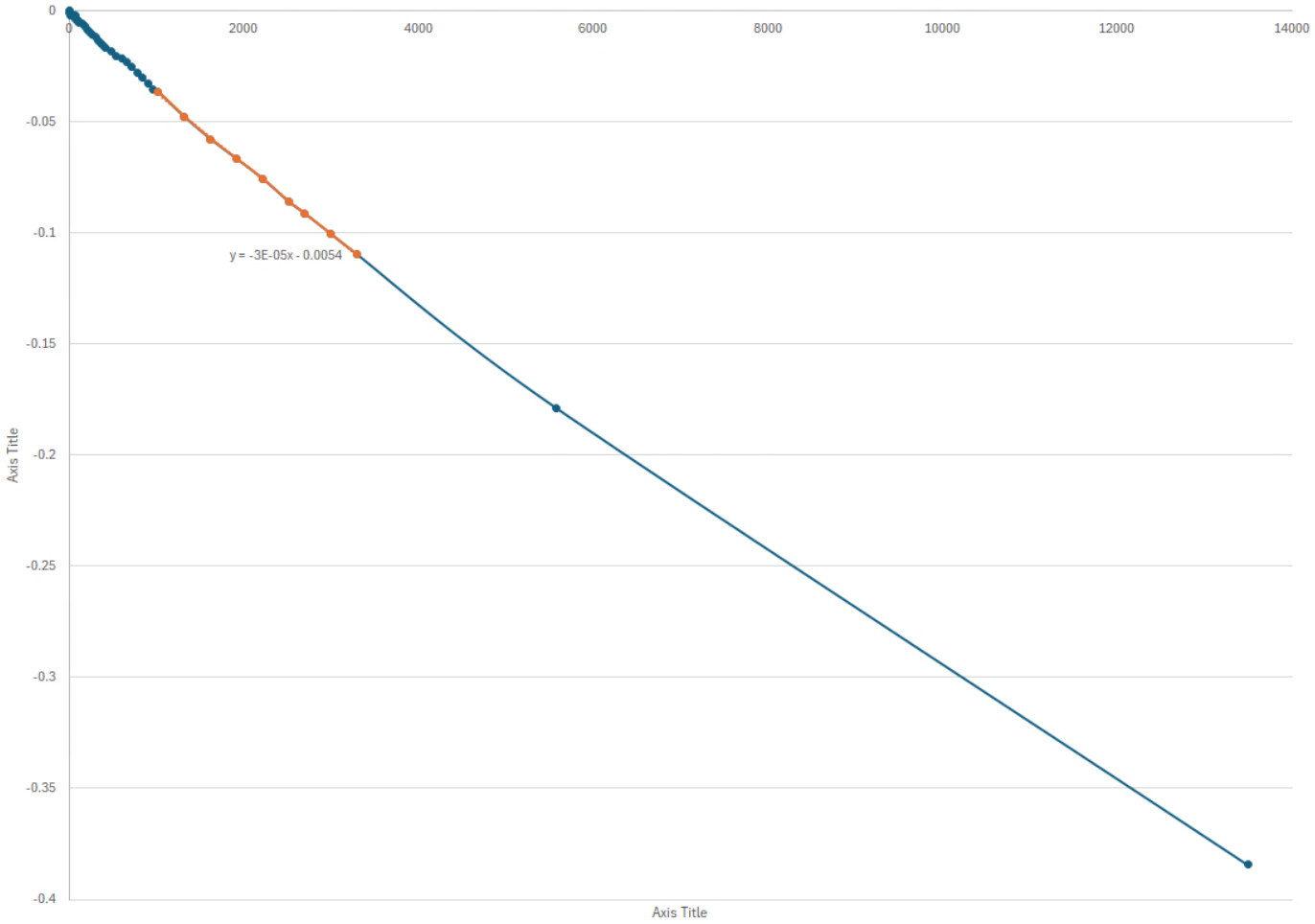
Well Data (MW25-01)

r_c = radius of casing (m): 0.0254 m
L = length of screen (m): 3.048 m
t* = characteristic time (s): 166,666.67 s
r_e = effective radius of influence (m): 4.5 m
r_w = well radius (m): 0.0254 m

Solution

Solution Method:
Bouwer-Rice

Hydraulic Conductivity:
3.29×10^{-7} cm/s



HYDRAULIC CONDUCTIVITY TEST ANALYSIS

Date: March 20, 2026 **Time: 10:15**

PROJECT INFORMATION

Company: Arcadis Professional Services (Canada) Inc.
Client: Cisco Systems (Canada) Co.
Project: 30298433
Location: 2000 and 3000 Innovation Drive, Ottawa, ON
Test Well: MW25-02
Test Date: March 20, 2026

Formula: $$K = \frac{r_c^2}{2Lt^*} \ln\left(\frac{r_e}{r_w}\right)$$

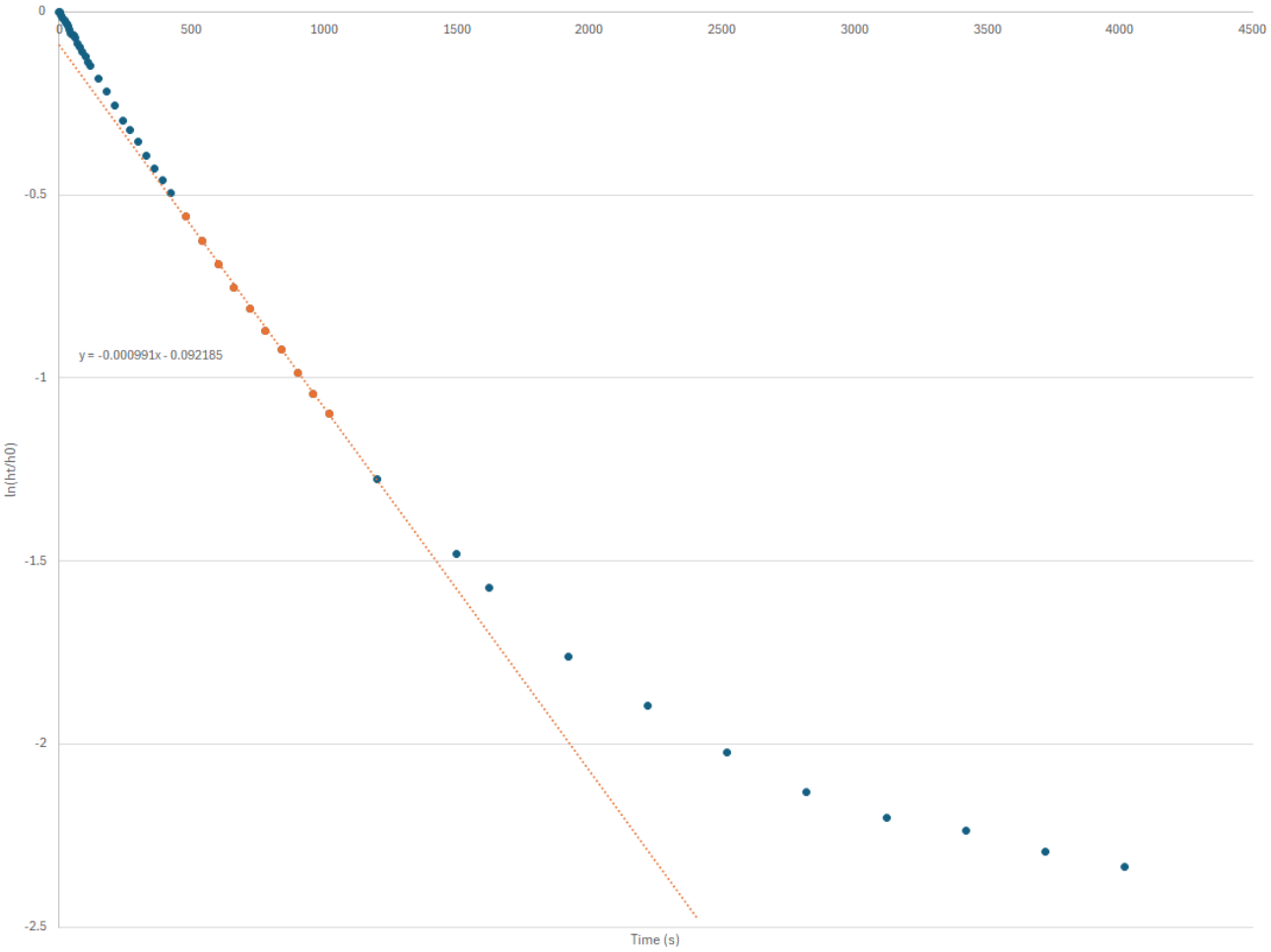
Well Data (MW25-02)

r_c = radius of casing (m): 0.0254 m
L = length of screen (m): 3.048 m
t* = characteristic time (s): 33,333.33 s
r_e = effective radius of influence (m): 4.5 m
r_w = well radius (m): 0.0254 m

Solution

Solution Method:
Bouwer-Rice

Hydraulic Conductivity:
1.64×10^{-6} cm/s



HYDRAULIC CONDUCTIVITY TEST ANALYSIS

Date: March 20, 2026 **Time: 12:00**

PROJECT INFORMATION

Company: Arcadis Professional Services (Canada) Inc.
Client: Cisco Systems (Canada) Co.
Project: 30298433
Location: 2000 and 3000 Innovation Drive, Ottawa, ON
Test Well: MW25-04
Test Date: March 20, 2026

Formula: $$K = \frac{r_c^2}{2Lt^*} \ln\left(\frac{r_e}{r_w}\right)$$

Well Data (MW25-04)

r_c = radius of casing (m): 0.0254 m
L = length of screen (m): 3.048 m
t* = characteristic time (s): 1,009.08 s
r_e = effective radius of influence (m): 4.5 m
r_w = well radius (m): 0.0254 m

Solution

Solution Method:
Bouwer-Rice

Hydraulic Conductivity:
5.43×10^{-5} cm/s

Arcadis Professional Services (Canada) Inc.
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Ottawa, Ontario
K1S 5N4
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