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Phase Two Environmental Site Assessment - 3045 Baseline Road, Ottawa, Ontario

September 30, 2026

Prepared for:
Queensway Carleton Hospital

Cambium Reference: 23906-001

CAMBIUM INC.

866.217.7900

cambium-inc.com

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1.0 Executive Summary

Cambium Inc. (Cambium) completed a Phase Two Environmental Site Assessment (ESA) at the Queensway Carleton Hospital at 3045 Baseline Road, Ottawa, Ontario to evaluate potential impacts to soil and groundwater identified through the Phase One ESA. The investigation included the advancement of nine boreholes, installation of three groundwater monitoring wells, groundwater sampling from four monitoring wells, and laboratory analysis of soil and groundwater samples for parameters identified as contaminants of potential concern (COPCs).

The analytical results indicate that environmental conditions across the Site generally satisfy the applicable Site Condition Standards (SCS), with several localized exceptions.

In soil, exceedances of the applicable Table 1 Full Depth Background SCS for residential/parkland/institutional land use were identified for petroleum hydrocarbon (PHC) fractions F4 and F4G in shallow soils at BH104-25 and BH106-25. These impacts were vertically delineated, appear localized in extent, and can be readily addressed through excavation and soil management activities undertaken as part of future site redevelopment. Exceedances of barium, chromium, vanadium, and hexavalent chromium identified within native silty clay deposits are considered representative of naturally occurring background conditions. Exceedances of electrical conductivity (EC) and sodium adsorption ratio (SAR) are attributed to historical road salt storage and application and are considered exempt under Section 49.1 of Ontario Regulation 153/04. A localized exceedance of pH was identified in shallow soil at BH104-25 and can be managed during future landscaping and site development activities.

Groundwater analytical results identified exceedances of the applicable Table 1 SCS for tetrachloroethylene (PCE), trichloroethylene (TCE), cobalt, molybdenum, nickel, uranium, sodium, and chloride in one or more monitoring wells. Several of the affected wells exhibited low groundwater recovery during sampling, creating the potential for sediment entrainment to influence analytical results, particularly for metals and uranium. As a result, Cambium

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recommends that the affected wells be re-sampled following adequate groundwater recovery and stabilization. Confirmation samples should be analyzed for PCE, TCE, cobalt, molybdenum, nickel, and uranium. While sediment entrainment may reasonably explain elevated metals and uranium concentrations, it is not considered a likely explanation for the reported PCE and TCE concentrations; therefore, the VOC impacts identified in BH101-25 should also be independently confirmed. If the exceedances are confirmed, additional investigation may be required to assess potential sources and delineate the horizontal and vertical extent of groundwater impacts. If the metals and uranium exceedances are not reproduced during stabilized, low-turbidity sampling conditions, the initial results may reasonably be interpreted as artifacts of sediment entrainment associated with low well recovery.

Based on the findings of this Phase Two ESA, no widespread impacts requiring immediate remedial action were identified. The soil impacts identified at the Site are localized and can be managed through future redevelopment activities. Subject to confirmation groundwater sampling, the results do not identify environmental conditions that would preclude the proposed redevelopment of the property.

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2.0 Introduction

The Client retained Cambium to complete a Phase Two ESA at 3045 Baseline Road, Ottawa, Ontario. The Phase Two ESA was completed to meet the requirements of O.Reg. 153/04 and will be used to support a SPA application for the Site.

2.1 Site Description

The Site is located on the northwest corner of the intersection of Baseline Road and John Sutherland Drive in Ottawa, Ontario. The municipal address is 3045 Baseline Road. Site information and property owner information are summarized below.

The Phase Two Property location is shown on Figure 1. The Phase Two Property boundary is shown on Figure 2.

Site Identification Information

Municipal Address	3045 Baseline Road, Ottawa, Ontario
Historical Land Use	Residential Use (Hospital)
Current Land Use	Residential Use (Hospital)
Future Land Use	Residential Use (Hospital)
PIN	04698-0083 (LT)
Universal Transverse Mercator Coordinates*	Zone 18T 436706 m E, 5020481 m N
Legal Description	Parts 4, 5, 6, 7, 8, 9 and 10 on 4R-1238, Parts 1,2, 5, 6, 7, 8, and 9 on 4R-1497, Parts of Lots 15 and 16 Concession 2 (Ottawa Front) (Township of Nepean), Part of the Original Road Allowance between Lots 15 and 16; formerly Township of Nepean; now City of Ottawa; Regional Municipality of Ottawa-Carleton.
Site Area	≈18 ha

* The Universal Transverse Mercator measurements were obtained from Google Earth Pro.

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2.2 Property Ownership

Property Owner	Contact Information
National Capital Commission 40 Elgin Street, Suite 202, Ottawa, Ontario K1P 5K6	Susan Sallaj Ginn Chief Planning Office & Director Phone: (613) 721-2000 1318 Email: ssallajginn@qch.on.ca

2.3 Current and Proposed Future Uses

The Phase One Property is currently residential use (care and treatment occupancies), as defined in O. Reg. 153/04, and developed with a single-storey hospital building with two, three and four-storey portions, located on the south portion of the Site (Site Building A), and a seven-storey parking garage located on the central portion of the Site (Site Building B). In addition, an office trailer was located on the central portion of the Site, and a steel-framed, fabric-covered storage structure for road salt and sand was located on the northeast portion of the Site. The Client intends to redevelop the Site with an additional parking garage structure and additions to the existing hospital building; as such, an SPA application is being submitted to the City of Ottawa.

2.4 Applicable Site Condition Standards

The *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act* (MOECC, 2011) were used to determine the applicable SCS for the Site. The following site characteristics were considered when choosing which standards should be applied:

- The proposed future use of the Site is residential use (hospital).
- The area being investigated is not within 30 m of a water body as defined in O.Reg. 153/04. As such, Section 43.1 of O.Reg. 153/04 does not apply to the Site.
- For a property to be considered non-potable groundwater, all properties within 250 m of the property must be supplied by a municipal drinking water system that does not obtain its

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water from a groundwater source. The Site is served by a municipal water supply; however, records of domestic potable supply wells were identified within the study area at properties not served by a municipal water supply (3229, 3440 and 3448 Richmond Rd), and as such, potable standards apply to the Site.

- The property is not located in an area designated in the municipal official plan as a well-head protection area or other designation identified by the municipality for the protection of groundwater.
- The stratigraphy consisted of topsoil, asphalt, and/or fill where present, underlain by native sand with variable amounts of clay, silt, and gravel. Bedrock was encountered at BH107-25 at 1.68 mbgs. No bedrock was encountered within 2 mbgs at the eight other boreholes. As such, shallow soil conditions do not apply. Based on field observations, the SCS for coarse-grained soil were considered appropriate.
- The Scoped Environmental Impact Study (Cambium Inc., 2025b) identified endangered / threatened species as having potential habitat and potential to occur on or in the vicinity of the Site. As defined in Section 1 of O.Reg. 153/04, an area that contains habitat for endangered or threatened species is considered an area of natural significance.

Based on the above information, the applicable SCS for the Site were the Table 1 *Full Depth Background Site Condition Standards*.

Residential/Parkland/Institutional property use and coarse soil texture were selected to determine concentration exceedances for the analyzed parameters.

2.5 General Objectives

The general objectives of the Phase Two ESA were to determine the location and concentration of contaminants in the soil or water on, in or under the Phase Two Property; and subsequently determine if the SCS for contaminants on, in or under the Phase Two Property were met. These objectives were achieved by developing an understanding of the geological and hydrogeological conditions at the Phase Two Property and conducting field investigations for the identified COPCs. The Phase Two ESA included a soil and groundwater investigation.

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3.0 Background Information

3.1 Physical Setting

Local topographic mapping (MNR, 2025) indicates that the Site and the surrounding area generally slope down to the north toward Graham Creek.

The Site is within the Ottawa Valley Clay Plains physiographic region (Chapman & Putnam, 1984), characterized by clay plains. In the general area, the overburden includes fine-textured glaciomarine deposits of silt and clay with minor sand and gravel, and deposits of sandy silt to silty sand-textured till (OGS, 2010). The underlying bedrock consists of dolostone of the Oxford Formation with thin glauconitic shale beds and interbeds of quartz sandstone and shaly dolostone (OGS, 2007). A review of Ministry water well records (MECP, 2025) for boreholes within 200 m of the Site indicated that the local stratigraphy consists of silt and sand overlying clay.

The closest water body is Graham Creek, located approximately 320 m northeast of the Site. It flows in a northwesterly direction, toward its confluence with the Ottawa River, approximately 1,865 m north of the Site. Based on the topography and the nearest body of water, the regional groundwater flow direction in the phase one study area is inferred to be northward.

As defined in Section 1 of O.Reg. 153/04, an area that contains habitat for endangered or threatened species is considered an area of natural significance. Cambium has completed a Scoped Environmental Impact Study (EIS) for the Site (Cambium, 2025a). Based on the findings of the Scoped EIS, the site is considered an area of natural significance.

The phase one study area is partially municipally serviced for drinking water. No drinking water wells were observed at the Site, however multiple records of drinking water wells within the study area were identified by the records review. The Phase One study area is not within a well-head protection area. The City of Ottawa obtains drinking water from surface water (Ottawa River).

A search of the Ministry Water Well Information System by ERIS identified one record for an on-site water supply well and 18 water supply well records within the phase one study area,

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ranging from about 30 m to 250 m from the Site. The wells were identified as domestic water supply wells, commercial water supply wells, public water supply wells, observation wells, and monitoring and test holes.

Stratigraphy in the on-site monitoring wells was generally sand and gravel to a depth of about 1.8 mbgs, overlying limestone and sandstone bedrock. Stratigraphy in the off-site wells within 100 m of the Site was generally silt and gravel to a depth of about 4.8 mbgs.

3.2 Past Investigations

The following reports were reviewed by Cambium.

Soil Verification Sampling (Golder Assciates Ltd., 2009)

A Soil Verification Sampling program was completed at the Site by Golder Associates Ltd. (Golder) in April 2009. In addition, Golder reviewed their report entitled “Soil Test Results and Contaminated Soil Removal Monitoring Services – Queensway Carleton Hospital, 3045 Baseline Road, Ottawa, Ontario”, dated March 16, 2009. Cambium was not provided with a copy of this report; however, Golder summarized the following:

- A 12,000 L diesel fibreglass UST was removed from the Site on March 10, 2009. Golder noted that they were not present during the UST removal activities. On March 11, 2009, Golder observed that soil stockpiled from the UST excavation, soil within the excavation, and backfill material (i.e., pea gravel) were impacted with PHCs. Two soil samples were collected from the soil stockpile and submitted for laboratory analysis. Results were compared to the then-applicable Table 3 Site Condition Standards (SCS) for a residential land use with coarse-grained soils in a non-potable groundwater condition, as stipulated in the Ministry document entitled “Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act”, and dated March 2004 (2004 Table 3 SCS). The analytical results indicated that PHC-impacted soil was present in the soil stockpile collected from the UST excavation area. Golder recommended that the remaining PHC-impacted soil be removed prior to completing a soil verification program at the Site.

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On March 19, 2009, Golder supervised a remediation program at the Site. Approximately 45 tonnes of PHC-impacted soil was removed from the Site and disposed of at a licensed facility. The size of the excavation was approximately 4.6 m in length, 3.2 m in width, and ranged between 2.0 and 2.5 m in depth. Bedrock was encountered at a depth ranging between ranged between 2.0 and 2.5 m below ground surface (mbgs). Groundwater was observed within the excavation.

Five confirmatory soil samples were collected from the final extent of the walls of the excavation. Since the excavation was advanced to bedrock, no soil samples were collected from the base of the excavation. One groundwater sample was collected from the groundwater which seeped into the excavation.

Soil and groundwater samples were submitted for laboratory analysis of PHC fractions 1 to 4 (PHC F1-F4) and BTEX. All analysis results met the 2004 Table 3 SCS.

Cambium compared the analysis results to the currently applicable Table 1 SCS (full-depth generic site condition standards in a potable groundwater condition, residential land use, coarse-textured soils), as outlined in the Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act (MOE, 2011). *All analysis results met the 2011 Table 1 SCS. Based on the documented removal and confirmatory sampling demonstrating compliance with the applicable SCS, the former UST is a PCA that is not considered to result in an APEC and is not carried forward as a PCA for the purposes of the Phase Two ESA.*

Geotechnical Desktop Study (WSP Canada Inc., 2024)

WSP Canada Inc. (WSP) completed a Geotechnical Desktop Study review at the Site in June 2024 as part of preliminary work for a proposed expansion at the Site.

WSP reviewed the following reports:

- Report entitled "*Report on Preliminary Geotechnical Investigations, Faculty Development Plan – Part 3A, Queensway-Carleton Hospital, Baseline Road, Ottawa, Ontario*", prepared by Golder and dated October 29, 2008.

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- Report entitled "*Geotechnical Background Information 2009, Queensway-Carleton Hospital, Baseline Road, Ottawa, Ontario*", prepared by Golder and dated August 10, 2009.

Cambium was not provided with copies of the above-noted reports; however, WSP summarized the following:

- A total of 99 boreholes and test pits were advanced at the Site between 1968 and 2008. Stratigraphy at the Site consisted of a layer of soil/fill material (i.e., sand, silt and gravel) overlying silty sand and/or clayey deposits with variable amounts of sand and silt. This material is underlain by sandy glacial till over dolostone bedrock.

The presence of fill material of unknown quality identified during previous subsurface investigations at the Site is a PCA that contributes to an APEC.

Geotechnical Investigation (WSP Canada Inc., 2025)

WSP completed at Geotechnical Investigation at the Site in April 2025. The scope of work consisted of the advancement of 16 boreholes, 6 of which were installed as groundwater monitoring wells.

Stratigraphy at the Site consisted of a layer of topsoil/fill material overlying clayey silt to silty clay with variable amounts of sand. Fill material (not part of a pavement structure) was encountered at a depth ranging between 0.4 mbgs and 3.0 mbgs. Bedrock was encountered at a depth ranging between 1.7 mbgs and 10.0 mbgs.

Groundwater level measurements collected in overburden wells ranged between 1.9 mbgs and 4.7 mbgs. Groundwater level measurements collected in bedrock wells ranged between 5.0 mbgs and 5.4 mbgs.

As noted above, the presence of fill material of unknown quality identified during previous subsurface investigations at the Site is a PCA that contributes to an APEC.

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4.0 Scope of the Investigation

4.1 Overview of the Site Investigation

The proposed scope of work for the Phase Two ESA was based on the requirements of O.Reg. 153/04 and the findings of the Phase One ESA. Soil and groundwater samples were submitted to Bureau Veritas (BV), an accredited analytical laboratory. The Phase Two ESA was subject to a Quality Assurance/Quality Control (QA/QC) program, including analysis of blind duplicate soil and groundwater samples and trip blanks.

Cambium coordinated all subcontractors required to complete the work, including utility and ground penetrating radar locators, a licensed well drilling contractor, and the laboratory. Prior to conducting fieldwork, Cambium prepared a Health and Safety Plan (HASP) tailored to known and potential on-site contaminants, physical site hazards, and the type of work to be conducted. Included in the HASP was a detailed map showing the transportation route to the nearest hospital, emergency contact numbers, and other pertinent information required for work on potentially contaminated sites. All persons entering the Site, as contractors or otherwise, were required to review and sign the HASP prior to their admission.

Cambium arranged for underground services to be located and marked by public and private utility companies prior to starting intrusive investigations. The proposed borehole locations were clear of utilities.

A sampling and analysis plan (SAP) was prepared to address the identified APECs and is included in Appendix A.

4.2 Media Investigated

The Phase Two ESA investigated soil and groundwater. As no water bodies exist on the Site, surface water and sediment sampling were not applicable. Soil quality at the Site was investigated through drilling and soil sampling. Monitoring wells were installed in the drilled boreholes for groundwater sampling.

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4.3 Phase One Conceptual Site Model

The Phase One Conceptual Site Model (CSM) is required to assist the Qualified Person (QP) in illustrating the results of the Phase One ESA and to provide a basis for further work, if required. The Phase One CSM Study Area is shown on Figure 2. The Phase One CSM Site Plan is shown on Figure 3. The following descriptions and discussion supplement the figures and together comprise the CSM.

4.3.1 Site Description

The roughly 18 ha Site is east of Highway 416 and north of Baseline Road in Ottawa, Ontario. The municipal address is 3045 Baseline Road. The PIN for the Site is 04698-0083; and the legal description is Parts 4, 5, 6, 7, 8, 9 and 10 on 4R-1238, Parts 1,2, 5, 6, 7, 8, and 9 on 4R-1497, Parts of Lots 15 and 16 Concession 2 (Ottawa Front) (Township of Nepean), Part of the Original Road Allowance between Lots 15 and 16; formerly Township of Nepean; now City of Ottawa; Regional Municipality of Ottawa-Carleton. The Universal Transverse Mercator coordinates for the Site are Zone 18T, 436706 m E, 5020481 m N.

Property use surrounding the Site is as follows.

North – Commercial use, and agricultural or other use

South – Baseline Road, residential use, and agricultural or other use

East – Residential use

West – Highway 416, and agricultural or other use

4.3.2 Existing Buildings and Structures

The Site consists of two buildings: a single-storey hospital with two, three, and four-storey sections, located on the south portion of the Site (Site Building A), and a seven-storey parking garage located on the central portion of the Site (Site Building B). Additionally, an office trailer was located on the central portion of the Site, and a steel-framed, fabric-covered storage structure for road salt and sand was located on the northeast portion of the Site. The

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remainder of the Site consists of parking lots, grassed boulevards, sidewalks, and undeveloped land. The original parts of Site Building A were reportedly built around 1976, with additions constructed in approximately 2005, 2010, and 2012. Site Building B was reportedly constructed in approximately 2010.

4.3.3 Water Bodies and Areas of Natural Significance

The nearest water body to the Site is Graham Creek, located approximately 320 m to the northeast. Graham Creek discharges into the Ottawa River roughly 1.8 kilometers to the north. Consequently, the Site is located more than 30 meters from any water body as defined under O.Reg. 153/04. Based on the distance, topography, direction of these waterbodies and drainage flow pattern, the regional groundwater flow direction is inferred to be to the north.

The following were reviewed to identify if the Site includes, is adjacent to, or within 30 m of an area of natural significance:

1. The study area does not include areas reserved or set apart as a provincial park or conservation reserve under the *Provincial Parks and Conservation Reserves Act, 2006* (Ontario, 2023).
2. No areas of natural or scientific interest (life science or earth science) identified by the Ministry of Natural Resources (MNR) as having provincial significance, nor wetlands identified by the MNR as having provincial significance, were adjacent to, or within 30 m of the Site (MNR, 2025). Unevaluated wetlands are present 165 m south of the Site at the closest point.
3. The Site does not include areas designated as a wilderness area under the *Wilderness Areas Act* (MNRF, 2024)
4. The Scoped Environmental Impact Study (Cambium, 2025a) identified the following endangered / threatened species as having potential habitat and potential to occur on or in the vicinity of the Site

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- Species at risk bats (Little Brown Myotis, Eastern Red Bat, Hoary Bat, Eastern Small-footed Myotis, Northern Myotis, Silver-haired Bat, and Tri-colored Bat) - endangered
- Butternut (*Juglans cinerea)* – endangered

As defined in Section 1 of O.Reg. 153/04, an area that contains habitat for endangered or threatened species is considered an area of natural significance.

4.3.4 Drinking Water Wells

The phase one study area is partially municipally serviced for drinking water. No drinking water wells were observed at the Site. Multiple drinking water wells within the study area were identified during the records review.

A search of the Ministry Water Well Information System by ERIS identified one record for an on-site water supply well and 18 water supply well records within the phase one study area, ranging from about 30 m to 250 m from the Site. The wells were identified as domestic water supply wells, commercial water supply wells, public water supply wells, observation wells, and monitoring and test holes.

4.3.5 Potentially Contaminating Activities

Cambium reviewed information available for the Phase One Study Area to identify environmental issues normally assessed in a Phase One ESA. Based on the review and evaluation, 10 PCAs (7 on-site and 3 off-site) were identified within the Phase One Study Area. Refer to Table 1 for further description of the PCAs, and Figure 2 for PCA locations.

4.3.6 Areas of Potential Environmental Concern

As required by O.Reg. 153/04, all on-site PCAs result in an APEC. Based on a review of the potential to result in contamination at the Site, none of the off-site PCAs contributed to APECs. The APECs are summarized in Table 2. Refer to Figure 3 for APEC locations.

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4.3.7 Contaminants of Potential Concern

COPCs were identified for each PCA contributing to an APEC. PHCs, BTEX, PAHs, metals and hydride-forming metals, and ORPs, including B-HWS, CrVI, Hg, CN, pH, EC, SAR, sodium and chloride were identified as COPCs for the APECs. The COPCs specific to each APEC are summarized in Table 2.

4.3.8 Contaminant Distribution and Transport

Various utilities (i.e., natural gas, electrical, water, sewer, etc.) were observed to enter the Site from Baseline Road and Richmond Road. Contaminant distribution and transport may be influenced by the presence of current utility trenches, as well as any utility trenches that were historically present on the Site.

No specific climatic or meteorological conditions were observed that may influence the distribution or migration of contaminants.

4.3.9 Geological and Hydrogeological Setting

Review of a topographic map (MNR, 2025) indicates that the Site and the surrounding area generally slope down to the north toward Graham Creek.

The Site is within the Ottawa Valley Clay Plains physiographic region (Chapman & Putnam, 1984), characterized by clay plains. In the general area, the overburden includes fine-textured glaciomarine deposits of silt and clay with minor sand and gravel, and deposits of sandy silt to silty sand-textured till (OGS, 2010). The underlying bedrock consists of dolostone of the Oxford Formation with thin glauconitic shale beds and interbeds of quartz sandstone and shaly dolostone (OGS, 2007). A review of Ministry water well records (MECP, 2025) for boreholes within 200 m of the Site indicated that the local stratigraphy consists of silt and sand overlying clay.

The closest water body is Graham Creek, located approximately 320 m northeast of the Site, which flows in a northwesterly direction, toward its confluence with the Ottawa River, approximately 1,865 m north of the Site. Based on the topography and the nearest body of

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water, the shallow groundwater flow direction in the phase one study area is inferred to be northward.

Subsurface work and geotechnical investigations completed by Golder and WSP between 2009 and 2025 identified the soil profile at the Site (refer to Section 3.2). The Site consisted of asphalt/topsoil overlying fill material (sand and gravel) to a maximum depth of approximately 3.0 mbgs overlying clayey silt to silty clay with variable amounts of sand. Bedrock was encountered at a depth ranging between 1.7 mbgs and 10.0 mbgs.

4.3.10 Uncertainty or Absence of Information

All aspects of the Phase One ESA were conducted consistent with O.Reg. 153/04, and as such, the Site was investigated thoroughly. As access to the entire Site was possible, and adequate historical information was available through the interviewees, records review, and FOI requests, uncertainty or absence of information is not expected to result in material data gaps at the Site.

4.4 Deviations From Sampling and Analysis Plan

No deviations were made from the Sampling and Analysis Plan for the Phase Two ESA.

4.5 Impediments

No physical impediments or denial of access were encountered during the Phase Two ESA.

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5.0 Investigation Method

5.1 General

The following sections provide a detailed description of the subsurface investigations. Soil and groundwater samples were analyzed for one or more of PHCs, BTEX, PAHs, metals and hydride-forming metals, and ORPs including B-HWS, CrVI, Hg, CN, pH, EC, SAR, sodium and chloride.

As indicated in Section 2.4, based on the site characteristics as well as the proposed future use of the Site, the applicable standards for the Site are Table 1 SCS. Residential property use and coarse soil texture were selected to identify analyzed parameters present on the Site at concentrations exceeding the SCS.

5.2 Soil: Drilling

The drilling investigation was completed on October 6 and 7, 2025. Strata Drilling Group (Strata) advanced nine boreholes into overburden to a maximum depth of 5.2 mbgs. Additionally, one borehole location was advanced into bedrock using air-hammer methods, to a maximum depth of 6.7 mbgs. Borehole locations are shown on Figure 4.

5.3 Soil: Sampling

During the drilling program, soil samples were collected continuously. Each sample was handled solely by the Cambium field technician using dedicated nitrile gloves to reduce the potential for cross-contamination.

Soil samples were logged for soil type, moisture content, presence of odour, and signs of impacts such as staining, consistent with standard geotechnical and environmental soil descriptions and nomenclature. The samples were divided on-site, a portion was placed in dedicated sample jars for submission to the laboratory, with the remainder placed in sealed plastic sample bags and used to screen for combustible and/or organic vapours present in the soil headspace. The field screening observations were used to determine which samples to submit for laboratory analysis. Samples to be submitted for analysis of volatile parameters

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were collected applying the appropriate techniques, as per O.Reg. 153/04 (i.e., pre-calibrated syringe sampler and methanol preserved vial).

5.4 Field Screening Measurements

Olfactory and visual observations of the soil samples were documented immediately upon extraction for soil characteristics and potential indicators of environmental contamination. Soil samples were screened using an RKI Eagle 2 portable gas detector for concentrations of combustible soil vapour (CSV) and organic vapour (OV), calibrated to hexane and isobutylene, respectively. After agitating the sample, the peak reading was recorded by inserting the meter probe into the sample bag. Refer to the borehole logs in Appendix B for the recorded vapour readings.

5.5 Groundwater: Monitoring Well Installation

Monitoring wells were installed in three of the boreholes (i.e., BH101-25, BH102-25 and BH103A/B-25) and were constructed using 32 or 50 mm inner diameter, flush threaded PVC well pipe with a section of screen at the base of the well. The annular space was filled with washed silica sand filter pack to 0.3 m above the top of the screen, and the wells were completed with bentonite (seal) to at least 0.3 mbgs. The monitoring wells were completed with flush-mount steel protective covers. Borehole logs illustrating the monitoring well installation details are included in Appendix B. Monitoring wells were installed such that the well screen intersected the surface of the shallowest water-bearing unit identified during drilling.

Following installation of each monitoring well, a minimum of three well volumes of groundwater, if present, was purged to remove sediment from the well, stabilize and grade the filter pack, improve connectivity between the well and the formation, and restore groundwater that may have been disturbed during the drilling process. Each groundwater monitoring well was purged using dedicated polyethylene tubing and an inertial lift foot valve or via peristaltic pump where volumes were insufficient. The volume of water to be purged from each well was calculated on-site during the monitoring events using the measured water levels and the well diameter.

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5.6 Groundwater: Sampling

Groundwater sampling was conducted on November 13 and November 19, 2025, consistent with O.Reg. 153/04 under the supervision of a QP.

Prior to sampling, the static water level was recorded at each of the monitoring wells using an interface probe, which can accurately measure the depth to groundwater and the thickness of dense and light non-aqueous phase liquids (DNAPL & LNAPL).

Groundwater samples were collected using a peristaltic pump, with dedicated tubing installed in each of the monitoring wells. The peristaltic pump reduces the amount of sediment entrained in the collected groundwater samples, as agitation of the water column is kept to a minimum by lowering the pumping rate and limiting the movement of the tubing in the water column. Water quality parameters were measured using a flow-through cell, where volume allowed, to stabilize prior to sample collection ensuring samples were representative of the surrounding groundwater aquifer. Groundwater samples submitted for analysis of metals were field-filtered.

Technicians wore nitrile gloves while collecting the groundwater samples and replaced the glove set between each sample location.

5.7 Analytical Testing

All samples potentially requiring laboratory analysis were placed in a cooler and kept at less than 10°C for transport to the laboratory.

Samples were submitted for analysis of one or more of the COPCs. The analytical results are discussed in Section 6.0 and copies of the laboratory Certificates of Analysis as received from the analytical laboratory are included in Appendix C. The following samples were submitted for analysis.

- Based on field observations and screening, 18 soil samples were submitted for analysis of PHCs, BTEX, VOCs, PAHs, metals, hydride-forming metals, and ORPs (B-HWS, CrVI, Hg, CN, pH, EC, and SAR).

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- The following groundwater samples were submitted for analysis:
  - Four samples for BTEX and PHCs
  - Four samples for VOCs
  - Four samples for PAHs
  - Four samples for metals
  - One sample for CN, CrVI, and Hg
  - Four samples for sodium
  - One sample for chloride
- One water trip blank was submitted for analysis of VOCs.

5.8 Residue Management Procedures

Soil cuttings from the drilling program, and purge water from well development, were placed in drums and left on-site for later disposal.

5.9 Elevation Surveying

Ground surface and top of pipe elevations were surveyed at the boreholes and monitoring wells. Elevations were determined using a known elevation of 77.24 m above sea level (asl) from a benchmark (center of manhole cover north of parking garage) at the Site.

5.10 Quality Assurance and Quality Control Measures

As part of the QA/QC program, blind duplicate soil and groundwater samples were submitted at a rate of one duplicate sample for every ten samples analyzed. Blind duplicate samples were collected at the same time as the parent sample and placed into a separate container; split sampling methodology was used to ensure that the sampling was completed using the same method for both parent and duplicate samples. Refer to Section 6.8 for the results of the QA/QC program.

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A trip blank was prepared by the laboratory and submitted for analysis of VOCs together with the groundwater samples. A trip blank is a sample of laboratory grade water that has negligible or immeasurable amounts of the substance of interest, and is transported to and from the sampling location, and carried through the entire sampling and analytical process.

Equipment and tools used to obtain soil samples were cleaned with Alconox© and rinsed with distilled water before the collection of each sample. Technicians wore dedicated nitrile gloves, which were replaced for each sample.

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6.0 Review and Evaluation

6.1 Geology

A detailed description of the subsurface soils can be found on the borehole logs in Appendix B. These logs present detailed descriptions of the soils and their associated characteristics to the maximum depth of investigation. Borehole and monitoring well locations are shown on Figure 4.

The stratigraphy consisted of topsoil, asphalt, and/or fill where present, followed by native sand with variable amounts of gravel, silt, and clay. Bedrock was encountered in several boreholes (BH103-25, BH106-25, and BH107-25) ranging from 1.7 to 4.1 mbgs. Cross-section locations are shown on Figure 4 and the stratigraphy is presented on Figure 9, Figure 10, Figure 14 and Figure 15.

6.2 Groundwater: Elevations and Flow Direction

To determine the relative groundwater elevation, the horizontal gradient, and the groundwater flow direction, water level measurements were recorded on November 11, 2025 as summarized in Table 1. Groundwater depth ranged from 4.04 to 5.72 mbgs. Based on the position of the on-site monitoring wells as shown on Figure 5, a calculated representative groundwater flow direction was not feasible (no triangulation). The groundwater flow direction is inferred to be to the north based on surface elevations of approximately 74 to 78 masl at the Site, sloping down to around 55 masl at the Ottawa River, about 1,865 m north of the Site.

Groundwater flow direction can be influenced by seasonal fluctuation, utility services, and other subsurface features and can only be confirmed with long term monitoring.

6.3 Groundwater: Hydraulic Gradients and Conductivity

The horizontal hydraulic gradient was 0.008 m/m between BH24-03B and BH103B-25, based on groundwater levels measured on November 11, 2025.

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Based on the predominant soil and bedrock types in the saturated zone (sand and sandy clay soil, dolostone bedrock) observed during the field investigation, subsurface hydraulic conductivity in the shallow water-bearing sand and sandy clay layer likely ranges from 1×10^{-10} to 1×10^{-3} m/s, and from 1×10^{-9} to 1×10^{-5} m/s in the bedrock (Freeze & Cherry, 1979).

6.4 Coarse Soil Texture

Soil samples were collected from a single soil unit identified at the Site. The soil was considered coarse-textured, based on field observations; as such, the SCS for coarse-textured soil were utilized.

6.5 Soil: Field Screening

Refer to the detailed borehole logs included with this report as Appendix B for the results of field soil screening. No measurable CSV or OV were detected in the soil samples.

6.6 Soil Quality

A general discussion of the submission and analysis of soil samples obtained during the subsurface investigation was presented Section 5.7.

All soil samples were submitted for analysis of the following: PHCs, BTEX, VOCs, PAHs, metals, hydride-forming metals, and ORPs (B-HWS, CrVI, Hg, CN, pH, EC, and SAR). Soil analysis results are presented in Table 4. Laboratory Certificates of Analysis are included in Appendix C. The soil sampling locations are shown on Figure 4.

6.6.1 VOCs and BTEX, and PAHs,

Eighteen soil samples were submitted for analysis of VOCs, BTEX, PAHs, metals and hydride-forming metals. Concentrations met the Table 1 SCS in the analyzed soil samples, as shown on Figure 6, Figure 7, Figure 11, and Figure 12.

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6.6.2 PHCs

Eighteen soil samples were submitted for analysis of PHCs. Concentrations met the Table 1 SCS in the analyzed soil samples, except for the following:

- PHCs F4 and F4G exceeded Table 1 SCS in the soil sample at BH104-25_0.6-1.2 and BH106-25_0.0-0.5. The exceedance was vertically delineated at 2.5 mbgs and 1.5 mbgs, respectively.

The analytical results for PHCs in soil are presented on Figure 8, Figure 9 and Figure 10.

6.6.3 PAHs

Eighteen soil samples were submitted for analysis of PAHs. Concentrations met the Table 1 SCS in the analyzed soil samples, as shown on Figure 11.

6.6.4 Metals and hydride-forming metals

Eighteen soil samples were submitted for analysis of metals and hydride-forming metals. Concentrations met the Table 1 SCS in the analyzed soil samples, except for the following:

- Barium in soil samples collected from boreholes BH101-25 (2.5-3.0 and 3.0-3.5 mbgs), BH105-25 (2.5-3.0 mbgs), and BH108-25 (2.5-3.0 mbgs) exceeded the Table 1 SCS.
- Chromium and vanadium in a soil sample collected from borehole BH108-25 (2.5-3.0 mbgs) marginally exceeded the Table 1 SCS.
- Given that these soil samples were collected from the native silty clay, which is a marine clay deposit known to contain naturally elevated metals concentrations (Geofirma Engineering, 2023), the exceedances are attributed to background soil concentrations. As such, it is Cambium's opinion that the reported barium, chromium and vanadium concentrations are naturally occurring and do not represent an environmental concern for the Site.

The analytical results for metals and hydride-forming metals in soil are presented on Figure 12.

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6.6.5 ORPs

Eighteen soil samples were submitted for analysis of ORPs (B-HWS, CrVI, Hg, CN, pH, EC and SAR). Concentrations met the Table 1 SCS in the analyzed soil samples, except for the following:

- CrVI exceeded Table 1 in soil sample BH108-25_2.5-3.0. Shallow sample BH108-25_0.0-0.5 was non-detect/met Table 1. No deeper sample at BH108-25. Naturally elevated total Cr at BH108-25_2.5-3.0.
- EC and/or SAR exceeded the Table 1 SCS in soil samples from BH101-25 (2.5-3.0 mbgs), BH103-25 (0.3-0.8 and 3.5-4.0 mbgs), BH106-25 (1.5-2.0 mbgs), BH107-25 (0.6-1.2 and 1.2-1.6 mbgs), BH108-25 (0-0.5 and 2.5-3.0 mbgs), and BH109-25 (0-0.5 and 2.5-3.0 mbgs). The qualified person (QP_{ESA}) has determined that the above-noted exceedances are associated with a substance which has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice at the Site. As such, the exemption set out in paragraph 1 of section 49.1 of O.Reg. 153/04 will be relied upon, and the SCS is deemed not to be exceeded for the purpose of Part XV.1 of the Act.
- Soil pH was above the acceptable pH range for surface (≤1.5 mbgs) soil in a sample collected from 0.6 to 1.2 mbgs at BH104-25 in the north-central portion of the Site. These exceedances were vertically delineated by deeper soil sample (2.5-3.0 mbgs), which was within the acceptable pH range for sub-surface (>1.5 mbgs) soil. All remaining surface and sub-surface soil samples were within the acceptable pH range across the Site. It is Cambium's opinion that the elevated pH level is not representative of the entire Site and may be attributed to crushed concrete within the fill material. As such, the Site is not environmentally sensitive as per Section 41 of O.Reg. 153/04.

The analytical results for ORPs (B-HWS, CrVI, Hg, EC, CN, SAR, and pH) in soil are presented on Figure 13 to Figure 15.

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6.7 Groundwater Quality

A general discussion of the submission and analysis of groundwater samples obtained during the investigation was presented in Section 5.7.

Groundwater samples were collected from four monitoring wells (BH24-03B, BH101-25, BH102-25, and BH103B-25). Samples were submitted for analysis of one or more of the following: BTEX, PHCs, VOCs, PAHs, metals, hydride-forming metals, and ORPs (Cl and Na). Groundwater analysis results are presented in Table 1. Laboratory Certificates of Analysis are included in Appendix C. The groundwater sampling locations are shown on Figure 4.

6.7.1 BTEX, PHCs, and PAHs

Four monitoring wells were sampled for analysis of BTEX, PHCs, and PAHs. Concentrations met the Table 1 SCS in the analyzed groundwater samples. The analytical results for BTEX, PHCs, and PAHs in groundwater are presented on Figure 16.

6.7.2 VOCs, Metals, Hydride-forming Metals and ORPs

Four monitoring wells were sampled for analysis of VOCs, metals, hydride-forming metals, and ORPs (four samples for sodium; and one sample for chloride). Concentrations were less than the Table 1 SCS in the analyzed groundwater samples, except for the following:

- VOCs (PCE, TCE) concentrations in groundwater collected from BH101-25 (screened in overburden 1.7-4.7 mbgs) in the north-central portion of the Site.
- Cobalt concentrations in groundwater collected from BH102-25 (screened in overburden 2.3-5.4 mbgs) and BH103B-25 (screened in bedrock 5.3-6.8 mbgs) in the north-central and northeast portions of the Site, respectively. The elevated cobalt concentrations in groundwater may be attributed to sediment in the sample or potentially due to salt-related impacts in groundwater, which may influence metals concentrations.
- Molybdenum concentration in groundwater collected from BH102-25 (screened in overburden 2.3-5.4 mbgs) in the north-central portion of the Site

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- Nickel concentrations in groundwater collected from BH102-25 (screened in overburden 2.3-5.4 mbgs) and BH103B-25 (screened in bedrock 5.3-6.8 mbgs) in the north-central and northeast portions of the Site, respectively.
- Uranium concentrations in groundwater collected from all four wells. BH101-25 (screened 1.7-4.7 mbgs) in the north-central portion of the Site.
- Sodium and chloride concentrations in groundwater collected from BH103B-25.
  - The QP_{ESA} has determined that the sodium and chloride exceedances are associated with a substance which has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice at the Site. As such, the exemption set out in paragraph 1 of section 49.1 of O.Reg. 153/04 will be relied upon, and the SCS is deemed not to be exceeded for the purpose of Part XV.1 of the Act.

The analytical results for VOCs, metals and ORPs in groundwater are presented on Figure 16 to Figure 24.

6.8 Quality Assurance and Quality Control

One blind duplicate soil sample and one blind duplicate groundwater sample were collected for each parameter group as follows:

- QA/QC is a duplicate of BH101-25_2.5-3.0 and was analyzed for the COPCs in soil
- QA/QC is a duplicate of BH24-03B and was analyzed for the COPCs (except for chloride) in groundwater
- QA/QC 2 is a duplicate of BH103B-25 and was analyzed for chloride in groundwater

Where analytical parameters were detected in both the parent and the duplicate samples at more than five times the detection limits, relative percent difference (RPD) was calculated to assess the precision of the analytical data. The calculated RPD results were compared to the performance criteria for each parameter group as outlined in the *Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality* (MECP, 2021). RPD was calculated as follows:

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$$RPD(\%) = \frac{|x_1 - x_2|}{x_m} \times 100\%$$

Where: x_1 = parent sample result

x_2 = duplicate sample result

x_m = arithmetic mean of initial and duplicate sample results

RPD is more sensitive to low concentrations; as such, RPDs were not calculated where the parameter concentration in the parent and/or duplicate sample was less than five times the laboratory reportable detection limit (RDL).

RPDs met the DQO for soil and groundwater. Overall, the duplicate samples match very closely with the parent samples. Accordingly, the soil and groundwater analysis results were considered acceptable and indicated that the analytical data were suitable for use in evaluating soil and groundwater quality at the Site.

The trip blank sample was submitted for analysis of VOCs with the groundwater sampling event to determine whether VOCs may have been introduced into a sample during transport to and from the laboratory. The analysis results indicated that VOCs were not present at concentrations greater than the laboratory RDLs in the trip blank.

Certificates of Analysis received for each submitted sample are included in Appendix C. All laboratory Certificates of Analysis pursuant to clause 47 (2) (b) of O.Reg. 153/04 comply with subsection 47(3) of the regulation.

Based on the results of the QA/QC program, the analytical results discussed herein can be interpreted with confidence.

6.9 Phase Two Conceptual Site Model

As per Table 1 of Schedule E of O.Reg. 153/04, a CSM is required for a Phase Two ESA to assist the QP in illustrating the results of the Phase Two ESA, demonstrating the current condition of the Phase Two Property, or where remedial actions have been undertaken, the condition of the Phase Two Property before the remedial actions were undertaken.

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The following sections describe in detail the Phase Two CSM and provide the requisite narrative that assists in describing the attached figures.

6.9.1 Site Description and Ownership

The roughly 18 ha Site is east of Highway 416 and north of Baseline Road in Ottawa, Ontario. The municipal address is 3045 Baseline Road. The PIN for the Site is 04698-0083; and the legal description is Parts 4, 5, 6, 7, 8, 9 and 10 on 4R-1238, Parts 1,2, 5, 6, 7, 8, and 9 on 4R-1497, Parts of Lots 15 and 16 Concession 2 (Ottawa Front) (Township of Nepean), Part of the Original Road Allowance between Lots 15 and 16; formerly Township of Nepean; now City of Ottawa; Regional Municipality of Ottawa-Carleton. The Universal Transverse Mercator coordinates for the Site are Zone 18T, 436706 m E, 5020481 m N.

Property use surrounding the Site is as follows.

North – Commercial use, and agricultural or other use

South – Baseline Road, residential use and agricultural or other use

East – Residential use

West – Highway 416 and agricultural or other use

6.9.2 Potentially Contaminating Activities

Cambium reviewed information available for the Phase One Study Area to identify environmental issues normally assessed in a Phase One ESA. Based on the review and evaluation, 10 PCAs (7 on-site and 3 off-site) were identified within the Phase One Study Area. Refer to details below for further description of the PCAs, and Figure 2 for PCA locations.

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PCA ID #	Potentially Contaminating Activity[1]	Location of PCA	PCA Description	APEC[2] (Yes/No)
1	PCA #30: Importation of Fill Material of Unknown Quality	On-site, entire site	Based on previous Geotechnical Investigations at the Site, fill material was observed throughout the Site.	Yes
2	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel UST located adjacent to the east of Site Building B.	Yes
3	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel AST located adjacent to the north portion of Site Building B.	Yes
4	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel AST located in the north portion of Site Building B.	Yes
5	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel AST located in the north portion of Site Building B.	Yes
6	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel AST located in the north portion of Site Building B.	Yes
7	PCA #48: Salt Manufacturing, Processing and Bulk Storage	On-site, north portion of the Site	A steel-framed, fabric-covered storage structure for road salt and sand located on the north portion of the Site has been used for salt storage.	Yes
8	Other – Hydrocarbon spill	Off-site, adjacent to the south portion of the Site	A diesel spill of 200 L onto the ground surface and into a catch basin located at the intersection of Cedarview Road and Baseline Road	No
9	Other - Historical Contaminated Sites on Federal Land record	Off-site, adjacent to the north portion of the Site	The property at 3448 Richmond Road was listed in the FCS database of various soil and groundwater impacts at this property which were subsequently remediated.	No
10	PCA #46: Rail yards, Tracks and Spurs	Off-site, 145 m south of the Site	A railway line has been evident south of the Site since at least 1960.	No

Notes:

1. Potentially Contaminating Activity (PCA) means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in the Phase One study area.

2. Area of Potential Environmental Concern (APEC) means the area on, in, or under a Phase One Property where one or more contaminants are potentially present.

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6.9.3 Areas of Potential Environmental Concern

As required by O.Reg. 153/04, all on-site PCAs result in an APEC. Based on a review of the potential to result in contamination at the Site, none of the off-site PCAs contributed to APECs. The APECs are summarized below. Refer to Figure 3 for APEC locations.

APEC[1]	Location of APEC on Phase One Property	PCA[2]		Location of PCA	Contaminants of Potential Concern[3]
1	Entire Site	1	PCA #30: Importation of Fill Material of Unknown Quality	On-site, entire site	PHCs, BTEX, PAHs, metals, hydride-forming metals, B-HWS, CrVI, Hg, CN, pH, EC, and SAR
2	North-central portion of the Site	2	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	PHCs, BTEX, PAHs, and metals
3	North-central portion of the Site	3	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	PHCs, BTEX, PAHs, and metals
4	North-central portion of the Site	4	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	PHCs, BTEX, PAHs, and metals
5	North-central portion of the Site	5	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	PHCs, BTEX, PAHs, and metals
6	North-central portion of the Site	6	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	PHCs, BTEX, PAHs, and metals
7	Northeast portion of the Site	7	PCA #48: Salt Manufacturing, Processing and Bulk Storage	On-site, northeast portion of the Site	EC, SAR, CN, Na and Cl

Notes:

1. Area of Potential Environmental Concern (APEC) means the area on, in, or under a Phase One Property where one or more contaminants are potentially present.

2. Potentially Contaminating Activity (PCA) means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in the Phase One study area.

3. Method groups as defined in Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011.

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The sampling and analysis plan was designed to assess the APECs. The following list documents how the investigation sufficiently characterized the APECs. Samples for analysis of volatile parameters such as VOCs and PHCs were selected based primarily on soil screening results and proximity to the water table and/or where fill material was identified. Samples for analysis of all other parameters were selected based primarily on visual observation and depth. Monitoring wells were installed such that the screened portion of the well intersected the shallow water-bearing unit. A deeper, nested monitoring well was installed in bedrock at BH103B-25. Groundwater was analyzed for all COPCs.

The following boreholes were completed to assess the APECs.

- BH101-25 (monitoring well), BH102-25 (monitoring well), and BH104-25 to BH109-25 investigated APEC 1;
- BH102-25 (monitoring well) investigated APEC 2 and 3;
- BH101-25 (monitoring well) investigated APEC 4 to 6;
- BH103A/B-25 investigated APEC 7.

Additionally, existing monitoring well BH24-03B was sampled to assess APEC 4 to 6.

Refer to Figure 4 for borehole and monitoring well locations.

6.9.4 Subsurface Structures and Utilities

Various utilities (i.e., natural gas, electrical, water, sewer, etc.) were observed to enter the Site from Baseline Road and Richmond Road. Contaminant distribution and transport may be influenced by the presence of current utility trenches, as well as any utility trenches that were historically present on the Site. The utilities are not expected to affect contaminant distribution and transport.

6.9.5 Stratigraphy

The stratigraphy consisted of topsoil, asphalt, and/or fill where present, followed by native sand with variable amounts of gravel, silt, and clay. Bedrock was encountered in several boreholes

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(BH103-25, BH106-25, and BH107-25) ranging from 1.7 to 4.1 mbgs. Cross-section locations are shown on Figure 4 and the stratigraphy is presented on Figure 9, Figure 10, Figure 14 and Figure 15..

6.9.6 Hydrogeological Characteristics and Groundwater Elevations

The closest water body to the Site is Graham Creek, located approximately 320 m northeast of the Site. It flows in a northwesterly direction, toward its confluence with the Ottawa River, approximately 1,865 m north of the Site.

To determine the relative groundwater elevation, the horizontal gradient, and the groundwater flow direction, water level measurements were recorded on November 11, 2505. The horizontal hydraulic gradient was 0.008 m/m, and the depth to groundwater ranged from 4.04 to 5.72 mbgs on November 11, 2025. Based on the position of the on-site monitoring wells as shown on Figure 5, a calculated representative groundwater flow direction was not feasible (no triangulation). The groundwater flow direction is inferred to be to the north based on regional surface elevations around 78 masl at the Site sloping down to around 55 masl at the Ottawa River, about 1,865 m north of the Site. The relative groundwater elevation data and inferred flow direction are presented on Figure 5.

6.9.7 Applicable Site Condition Standards

- The proposed future use of the Site is residential use.
- The area being investigated is not within 30 m of a water body as defined in O.Reg. 153/04. As such, Section 43.1 of O.Reg. 153/04 does not apply to the Site.
- For a property to be considered non-potable groundwater, all properties within 250 m of the property must be supplied by a municipal drinking water system that does not obtain its water from a groundwater source. The Site is served by a municipal water supply; however, records of domestic potable supply wells were identified within the study area at properties not served by a municipal water supply (3229, 3440 and 3448 Richmond Rd), and as such, potable standards apply to the Site.

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- The property is not located in an area designated in the municipal official plan as a well-head protection area or other designation identified by the municipality for the protection of groundwater.
- The stratigraphy consisted of topsoil, asphalt, and/or fill where present, underlain by native sand with variable amounts of clay, silt, and gravel. Bedrock was encountered at BH107-25 at 1.68 mbgs. No bedrock was encountered within 2 mbgs at the eight other boreholes. As such, shallow soil conditions do not apply. Based on field observations, the SCS for coarse-grained soil were considered appropriate.
- The Scoped Environmental Impact Study (Cambium Inc., 2025b) identified endangered / threatened species as having potential habitat and potential to occur on or in the vicinity of the Site. As defined in Section 1 of O.Reg. 153/04, an area that contains habitat for endangered or threatened species is considered an area of natural significance.

Based on the above information, the applicable SCS for the Site were the Table 1 *Full Depth Generic Site Condition Standards in a Potable Ground Water Condition*.

Residential/Parkland/Institutional property use and coarse soil texture were selected to determine concentration exceedances for the analyzed parameters.

6.9.8 Contaminant Identification and Distribution

Site features/sampling locations, cross-section locations, and the interpreted groundwater flow direction are shown on Figure 4 and the cross-sections are presented on Figures 9, 10, 14, 15, 17, 18, 23, and 24.

Concentrations of all COPCs met the Table 1 SCS in the analyzed soil samples, except for the following:

- EC and/or SAR exceeded the Table 1 SCS in soil samples from BH101-25 (2.5-3.0 mbgs), BH103-25 (0.3-0.8 and 3.5-4.0 mbgs), BH106-25 (1.5-2.0 mbgs), BH107-25 (0.6-1.2 and 1.2-1.6 mbgs), BH108-25 (0-0.5 and 2.5-3.0 mbgs), and BH109-25 (0-0.5 and 2.5-3.0 mbgs) across the entire property. The QP_{ESA} has determined that the above-noted

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exceedances are associated with a substance which has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice at the Site. As such, the exemption set out in paragraph 1 of section 49.1 of O.Reg. 153/04 will be relied upon, and the SCS is deemed not to be exceeded for the purpose of Part XV.1 of the Act.

- Vanadium in a soil sample collected from borehole BH108-25 (2.5-3.0 mbgs) in the east portion of the Site marginally exceeded the Table 1 SCS. Given that this soil sample was collected from the native silty clay, which is a marine clay deposit known to contain naturally elevated metals concentrations (Geofirma Engineering, 2023), the vanadium exceedance is likely attributed to background soil concentrations. As such, it is Cambium's opinion that the reported vanadium concentration is naturally occurring and does not represent an environmental concern for the Site.
- Soil pH was above the acceptable pH range for surface (≤1.5 mbgs) soil in a sample collected from 0.6 to 1.2 mbgs at BH104-25 in the north-central portion of the Site. These exceedances were vertically delineated by deeper soil sample (2.5-3.0 mbgs), which was within the acceptable pH range for sub-surface (>1.5 mbgs) soil. All remaining surface and sub-surface soil samples were within the acceptable pH range across the Site. It is Cambium's opinion that the elevated pH level is not representative of the entire Site and may be attributed to crushed concrete within the fill material.

Concentrations of all COPCs met the Table 1 SCS in the analyzed groundwater samples, with the exception of the following:

- Cobalt concentrations in groundwater collected from BH102-25 (screened 2.3-5.4 mbgs) and BH103B-25 (screened 5.3-6.8 mbgs) in the north-central and northeast portions of the Site, respectively. The elevated cobalt concentrations in groundwater may be attributed to sediment in the sample or potentially due to salt-related impacts in groundwater, which may influence metals concentrations.
- Uranium concentration in groundwater collected from BH101-25 (screened 1.7-4.7 mbgs) in the north-central portion of the Site. The uranium concentration appears to be localized and neither nearby groundwater samples collected from BH102-25 (screened at a similar depth)

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or BH24-03B (screened in bedrock) indicated elevated uranium concentrations. The elevated uranium concentration may be attributed to sediment in the sample.

- Sodium and chloride concentrations in groundwater collected from BH103B-25 (screened 5.3-6.8 mbgs). The QP_{ESA} has determined that the sodium and chloride exceedances are associated with a substance which has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice at the Site. As such, the exemption set out in paragraph 1 of section 49.1 of O. Reg. 153/04 will be relied upon, and the SCS is deemed not to be exceeded for the purpose of Part XV.1 of the Act.

6.9.9 Contaminant Migration and Transport

The distribution and potential transport of contaminants at the Phase Two Property were evaluated using the soil and groundwater analytical results, observed stratigraphy, groundwater elevations, inferred groundwater flow direction, locations of the identified APECs, and the locations and screened intervals of the monitoring wells. The investigation identified impacts in both soil and groundwater. The results are illustrated on Figures 6 through 26 and summarized in Tables 4 and 5.

6.9.9.1 Soil Contamination

PHC F4 and F4G concentrations exceeded the applicable Table 1 SCS in shallow soil at BH104-25, from 0.6 to 1.2 mbgs, and at BH106-25, from 0.0 to 0.5 mbgs. The exceedances were vertically delineated by soil samples collected at 2.5 mbgs at BH104-25 and 1.5 mbgs at BH106-25. PHC concentrations in the remaining analyzed soil samples met the applicable SCS. No measurable combustible or organic vapours were detected during field screening, and BTEX, VOC and PAH concentrations in the analyzed soil samples met the applicable SCS. These findings indicate that the PHC impacts are localized within shallow soil and that a laterally or vertically extensive petroleum hydrocarbon impact was not identified by the investigation.

Barium concentrations exceeded the Table 1 SCS in native soil at BH101-25, BH105-25 and BH108-25. Chromium and vanadium concentrations also marginally exceeded the Table 1

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SCS in native silty clay at BH108-25. Hexavalent chromium exceeded the Table 1 SCS in the soil sample collected from 2.5 to 3.0 mbgs at BH108-25. The reported metals exceedances occurred in native marine clay, which is known to contain naturally elevated metals concentrations. Their occurrence in native soil, together with the absence of a corresponding anthropogenic source pattern, indicates that the metals concentrations are attributable to naturally occurring background conditions rather than contaminant migration from an on-site PCA.

Electrical conductivity and/or SAR exceeded the Table 1 SCS in soil samples collected at BH101-25, BH103-25, BH106-25, BH107-25, BH108-25 and BH109-25. Sodium and chloride also exceeded the applicable groundwater SCS at BH103B-25. The QP $_{ESA}$ has determined that these exceedances are associated with substances applied to surfaces for the safety of vehicular or pedestrian traffic under snow or ice conditions. The distribution of these parameters is consistent with the storage and widespread seasonal application of road salt on paved and travelled portions of the Site, followed by infiltration through the overburden and localized migration to groundwater. The exemption in paragraph 1 of section 49.1 of O. Reg. 153/04 is therefore relied upon, and the applicable SCS are deemed not to be exceeded for the purposes of Part XV.1 of the Environmental Protection Act.

Soil pH was above the acceptable range for surface soil in the sample collected from 0.6 to 1.2 mbgs at BH104-25. The elevated pH was vertically delineated by the deeper sample collected from 2.5 to 3.0 mbgs, which was within the acceptable range for subsurface soil. The elevated pH is localized and may be associated with crushed concrete in the fill material. The available results do not indicate that elevated pH is broadly distributed across the Site.

6.9.9.2 Groundwater Contamination

Groundwater samples collected from the monitoring-well network identified exceedances of PCE and TCE at BH101-25; cobalt at BH102-25 and BH103B-25; molybdenum at BH102-25; nickel at BH102-25 and BH103B-25; and uranium in the sampled monitoring wells. The affected wells are located in the north-central and northeast portions of the Site and are screened in both overburden and bedrock. The groundwater results indicate that some

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parameters occur in more than one hydrostratigraphic unit. However, the limited number and spatial arrangement of monitoring wells do not permit the horizontal limits of these groundwater impacts or a representative groundwater-flow direction to be determined by triangulation. Groundwater flow is inferred to be generally northward based on Site and regional topography.

The Site stratigraphy consists generally of topsoil, asphalt and/or fill overlying native sand with variable amounts of gravel, silt and clay, with bedrock encountered between approximately 1.7 and 4.1 mbgs in the Phase Two boreholes. Groundwater movement and contaminant transport may occur through the more permeable sand and gravel zones, bedrock fractures, and disturbed fill. The finer-grained silty clay units are expected to reduce vertical migration where continuous. Utility corridors associated with natural gas, electrical, water and sewer services may provide preferential pathways for localized lateral migration. No free product or other evidence of light or dense non-aqueous phase liquid was identified during the investigation.

Overall, the identified soil impacts are generally localized or attributable to naturally occurring background conditions or winter de-icing activities. Groundwater impacts were identified in the north-central and northeast portions of the Site, but their full lateral and vertical extent has not been established by the existing monitoring-well network. The available data support the presence of potential contaminant transport through overburden, bedrock fractures and utility corridors, with the inferred regional direction of groundwater migration being northward. This interpretation should be read together with the applicable exemptions, the analytical results, and the limitations described in the preceding sections.

6.9.10 Exposure Pathways and Receptors

The Phase Two Property is currently used for residential purposes, as defined by O. Reg. 153/04, based on its hospital and care-and-treatment occupancy. The proposed future use will remain residential and includes additions to the existing hospital building and construction of an additional parking garage. Potential human receptors therefore include patients, visitors, hospital staff, maintenance personnel, construction workers, utility workers, and other persons who may occupy or perform intrusive work at the Site. Potential ecological receptors include

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terrestrial vegetation, soil organisms, birds, mammals, and species at risk or their habitat that may be present on or near the Site.

6.9.10.1 Soil Exposure Pathways

Potential exposure pathways associated with soil include direct dermal contact, incidental ingestion, inhalation of fugitive dust, and inhalation of vapours migrating from soil into indoor or enclosed spaces. These pathways are most relevant where impacted soil is exposed at the ground surface or disturbed during excavation, grading, landscaping, utility work, or construction. Much of the developed portion of the Site is covered by buildings, asphalt, concrete, or other hard surfaces, which limit routine direct contact with underlying soil under current conditions. Direct-contact and dust-inhalation pathways may become temporarily complete if impacted soil is exposed or disturbed during redevelopment.

PHC F4 and F4G concentrations exceeding the applicable Table 1 SCS were identified in shallow soil at BH104-25 and BH106-25. The identified PHC impacts were vertically delineated and no measurable combustible or organic vapours were detected during field screening. BTEX and other VOC concentrations in the analyzed soil samples met the applicable SCS. Accordingly, a significant soil-vapour intrusion pathway associated with the identified PHC soil impacts was not indicated by the available results. Direct contact with or ingestion of the affected shallow soil remains a potentially complete pathway if the soil is exposed during future intrusive work.

Barium, chromium, vanadium, and CrVI exceedances were identified in native silty clay. The metals exceedances were interpreted to represent naturally occurring background conditions associated with the marine clay deposit. Potential exposure pathways for metals in soil include direct contact, incidental ingestion, and inhalation of dust if the soil is disturbed. Under current conditions, these pathways are limited where the affected soil is below grade or covered by buildings, pavement, landscaping, or other surface materials.

EC and/or SAR exceedances in soil, and sodium and chloride exceedances in groundwater, were attributed to substances applied to surfaces for the safety of vehicular or pedestrian

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traffic under snow or ice conditions. Potential pathways associated with these parameters include direct contact with soil, uptake by vegetation, infiltration through the overburden, and migration in groundwater. The exemption set out in paragraph 1 of section 49.1 of O. Reg. 153/04 is relied upon for these exceedances.

6.9.10.2 Groundwater Pathways

Potential groundwater exposure pathways include ingestion or use of groundwater, dermal contact with groundwater during intrusive work, discharge to building excavations or utility trenches, migration through overburden or fractured bedrock, and volatilization from groundwater into buildings or other enclosed spaces. The Site is supplied by a municipal drinking-water system and no active drinking-water wells were observed at the Phase Two Property. Consequently, direct ingestion of on-site groundwater is not considered a complete exposure pathway under the current property use. However, potable groundwater standards apply because properties within the Phase One study area were identified as not being supplied by the municipal system and records of water-supply wells were identified within 250 m of the Site.

PCE and TCE concentrations exceeding the Table 1 SCS were identified in groundwater at BH101-25 in the north-central portion of the Site. VOCs in groundwater may migrate through the subsurface and volatilize into existing or future buildings, utility corridors, excavations, or other enclosed spaces. The potential indoor-air pathway is dependent on the lateral and vertical distribution of the affected groundwater, the distance to occupied structures, building construction, subsurface conditions, and the presence of preferential migration pathways. The existing investigation does not fully delineate the PCE and TCE impacts; therefore, the groundwater-to-indoor-air pathway cannot be conclusively excluded based on the available information.

Cobalt, molybdenum, nickel, and uranium concentrations exceeding the Table 1 SCS were identified in groundwater in the north-central and northeast portions of the Site. These parameters are not volatile, and inhalation through vapour intrusion is not an applicable pathway. Potential exposure may occur through ingestion or use of groundwater or through

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direct contact during excavation, dewatering, monitoring-well work, or other activities that encounter groundwater. Routine exposure is limited because groundwater is not used as the on-site drinking-water source.

Groundwater flow is inferred to be generally northward. Graham Creek is approximately 320 m northeast of the Site and the Ottawa River is approximately 1,865 m north of the Site. Groundwater migration toward these surface-water features represents a potential transport pathway; however, the available monitoring data do not establish a direct hydraulic connection or indicate that Site-related contaminants have reached either water body. Surface-water and sediment exposure pathways were therefore not directly assessed during this Phase Two ESA because no water body is present on the Phase Two Property.

6.9.10.3 Ecological Pathways

Terrestrial ecological exposure pathways may include direct contact with soil, ingestion of soil or food items, and uptake of contaminants by plants. These pathways are most relevant in unpaved or landscaped portions of the Site and where shallow soil is accessible to ecological receptors. The identified shallow PHC impacts and elevated pH are localized, while the soil metals exceedances were identified primarily in deeper native material. The presence of endangered or threatened species or their potential habitat on or near the Site should be considered when evaluating future disturbance of undeveloped or vegetated areas.

Based on the available information, potentially complete exposure pathways include direct contact with and incidental ingestion of impacted soil during intrusive work, inhalation of dust generated from disturbed soil, worker contact with impacted groundwater, groundwater migration through overburden and bedrock, and potential volatilization of PCE and TCE from groundwater into indoor or enclosed spaces. The completeness and significance of these pathways vary with the location and depth of impacts, the presence of surface cover and buildings, and future construction or excavation activities.

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6.9.11 Location of Buildings and Structures

The Site consists of two buildings: a single-storey hospital with two, three, and four-storey sections, located on the south portion of the Site (Site Building A), and a seven-storey parking garage located on the central portion of the Site (Site Building B). Additionally, an office trailer was located on the central portion of the Site, and a steel-framed, fabric-covered storage structure for road salt and sand was located on the northeast portion of the Site. The remainder of the Site consists of parking lots, grassed boulevards, sidewalks, and undeveloped land.

6.9.12 Areas of Contamination on the Property

Areas of contamination were identified based on locations where contaminants were present in soil or groundwater at concentrations exceeding the applicable Table 1 Full Depth Background Site Condition Standards (SCS). The identified areas are described below and shown on the applicable soil- and groundwater-quality figures and cross-sections.

6.9.12.1 Areas of Soil Contamination

PHC F4 and F4G concentrations exceeded the Table 1 SCS in shallow soil at BH104-25, from 0.6 to 1.2 mbgs, and at BH106-25, from 0.0 to 0.5 mbgs. The exceedances were vertically delineated by soil samples collected at 2.5 to 3.0 mbgs at BH104-25 and 1.5 to 2.0 mbgs at BH106-25. The lateral extent of the PHC-impacted soil has not been fully delineated. Accordingly, localized areas of PHC-impacted shallow soil are present in the vicinity of BH104-25 and BH106-25. The analytical results and interpreted distribution of PHCs in soil are shown on Figure 8 and the applicable cross-sections on Figures 9 and 10.

Soil pH was above the acceptable range for surface soil in the sample collected from 0.6 to 1.2 mbgs at BH104-25. The elevated pH was vertically delineated by the soil sample collected from 2.5 to 3.0 mbgs, which was within the acceptable range for subsurface soil. The elevated pH is considered localized to the vicinity of BH104-25 and may be associated with crushed concrete in the fill material.

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Barium concentrations exceeded the Table 1 SCS in native soil at BH101-25, BH105-25, and BH108-25. Chromium and vanadium concentrations also exceeded the Table 1 SCS in native soil at BH108-25, and CrVI exceeded the Table 1 SCS in the soil sample collected from 2.5 to 3.0 mbgs at BH108-25. These exceedances occurred in native silty clay associated with a marine clay deposit known to contain naturally elevated metals concentrations. Based on the soil type, depth, distribution, and absence of an apparent anthropogenic source, the metals exceedances were interpreted to represent naturally occurring background conditions rather than areas of contamination resulting from a PCA at the Phase Two Property.

EC and/or SAR exceeded the Table 1 SCS in soil at BH101-25, BH103-25, BH106-25, BH107-25, BH108-25, and BH109-25. Sodium and chloride concentrations exceeded the Table 1 SCS in groundwater at BH103B-25. The QP_{ESA} determined that these exceedances are associated with substances applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice. The exemption set out in paragraph 1 of section 49.1 of O. Reg. 153/04 is relied upon; therefore, these parameters are deemed not to exceed the applicable SCS for the purposes of Part XV.1 of the Environmental Protection Act and are not considered areas of contamination for the purposes of this Phase Two CSM.

6.9.12.2 Areas of Groundwater Contamination

Groundwater contamination was identified in the north-central and northeast portions of the Phase Two Property. PCE and TCE concentrations exceeded the Table 1 SCS in groundwater at BH101-25, which is screened in overburden from approximately 1.7 to 4.7 mbgs. The available monitoring-well network does not fully delineate the lateral or vertical extent of the PCE- and TCE-impacted groundwater. An area of VOC-impacted groundwater is therefore present in the vicinity of BH101-25, with its limits remaining undefined.

Cobalt concentrations exceeded the Table 1 SCS in groundwater at BH102-25 and BH103B-25. Molybdenum exceeded the Table 1 SCS at BH102-25, and nickel exceeded the Table 1 SCS at BH102-25 and BH103B-25. BH102-25 is screened in overburden from approximately 2.3 to 5.4 mbgs, while BH103B-25 is screened in bedrock from approximately 5.3 to 6.8 mbgs. These results indicate that metals-impacted groundwater is present in both the overburden and

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bedrock groundwater units in the north-central and northeast portions of the Phase Two Property. The horizontal and vertical limits of these exceedances have not been fully delineated.

Uranium concentrations exceeded the Table 1 SCS in groundwater samples collected from the four monitoring wells included in the Phase Two ESA groundwater program. The exceedances were identified in both overburden and bedrock monitoring wells and indicate that uranium concentrations above the Table 1 SCS are broadly distributed within the investigated groundwater beneath the Site. The source and complete horizontal and vertical extent of the uranium exceedances have not been established by the available investigation data.

No areas of soil contamination were identified for VOCs other than the localized groundwater PCE and TCE impacts described above, and no areas of contamination were identified for BTEX or PAHs in soil or groundwater. No free product or other evidence of light or dense non-aqueous phase liquid was observed during the investigation.

In summary, the areas of contamination identified at the Phase Two Property consist of localized shallow PHC F4 and F4G impacts in soil near BH104-25 and BH106-25; localized elevated soil pH near BH104-25; VOC-impacted groundwater near BH101-25; metals-impacted groundwater near BH102-25 and BH103B-25; and uranium-impacted groundwater within the investigated overburden and bedrock groundwater units. The lateral limits of the PHC-impacted soil and the lateral and vertical limits of the groundwater contamination have not been fully delineated by the current investigation.

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7.0 Conclusions

Conclusions regarding the current environmental conditions at the Site are based solely on the results of the Phase One ESA and this Phase Two ESA.

7.1 Environmental Conditions

A Phase Two ESA work program was developed to investigate COPCs (PHCs, BTEX, PAHs, VOCs, metals, hydride-forming metals, B-HWS, CrVI, Hg, CN, pH, EC, SAR, sodium, and chloride) in soil and groundwater. The Phase Two ESA included nine boreholes, three of which were instrumented as groundwater monitoring wells, along with the sampling of one existing monitoring well. The conclusions presented herein are based on the results of the Phase One ESA and this Phase Two ESA.

Concentrations of COPCs in the analyzed soil samples generally met the applicable Table 1 Full Depth Background Site Condition Standards for residential, parkland and institutional land use. The following exceptions were identified:

- PHC F4 and F4G concentrations exceeded the applicable Table 1 SCS in shallow soil samples collected from BH104-25 (0.6 to 1.2 mbgs) and BH106-25 (0.0 to 0.5 mbgs). The impacts were vertically delineated and appear localized in extent. Given their shallow occurrence and the proposed redevelopment of the Site, these localized PHC-impacted soils can be readily managed through excavation and off-site disposal, or other appropriate soil management measures, during future site development activities.
- Barium, chromium, vanadium and CrVI exceeded the Table 1 SCS in selected native silty clay samples. Based on their occurrence within native Champlain Sea marine clay deposits, these exceedances are considered representative of naturally occurring background conditions and do not represent an environmental concern for the Site.
- EC and/or SAR exceeded the applicable SCS in several soil samples. These exceedances have been attributed to the historical storage and application of road salt for winter

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maintenance activities, and the exemption provided under Section 49.1 of O. Reg. 153/04 is considered applicable.

- Soil pH exceeded the acceptable range in a localized shallow soil sample collected from BH104-25. The exceedance was vertically delineated and is not considered representative of site-wide conditions. Cambium recommends that surface soils in the vicinity of BH104-25 be assessed and amended, as required, during future landscaping and site development activities.

Groundwater analytical results identified exceedances of several Table 1 SCS parameters, including VOCs, metals, sodium and chloride. Based on the available data, elevated concentrations of cobalt, nickel, molybdenum and uranium were identified in selected wells. However, several of the affected wells exhibited low groundwater recovery during purging and sampling, increasing the potential for entrained sediment to influence analytical results despite standard sampling procedures. Accordingly, Cambium recommends that the affected monitoring wells be re-sampled during a future monitoring event following adequate groundwater recovery to confirm whether the reported exceedances are representative of groundwater quality or are attributable to sediment entrained within the samples.

Sodium and chloride concentrations exceeding the applicable SCS were identified in groundwater at BH103B-25 and are considered attributable to winter maintenance activities and historical salt storage at the Site. These exceedances qualify for the exemption provided under Section 49.1 of O. Reg. 153/04 and are not considered a constraint to future development.

Based on the findings of this Phase Two ESA, the identified soil impacts are localized and can be appropriately managed during redevelopment. Subject to confirmation sampling of the groundwater wells noted above, no environmental conditions were identified that would preclude the proposed redevelopment of the Site. An SPA application can therefore proceed based on the current findings.

When no longer required, Cambium recommends that all monitoring wells be properly abandoned in accordance with the requirements of R.R.O. 1990, Regulation 903 - Wells.

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7.2 Signatures

This Phase Two ESA was completed under the supervision of Alex Reinwood, P.Eng. (QP), as per O.Reg. 153/04, as amended. Information presented in this report is true and accurate to the best of the assessors' knowledge.

Respectfully submitted,

Cambium Inc.

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Jodie Ball, B.Sc., C.Tech.
Project Manager

Alex Reinwood, P.Eng., QP
Project Manager – Team Lead

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9.0 Standard Limitation

Limited Warranty

In performing work on behalf of a client, Cambium relies on its client to provide instructions on the scope of its retainer and, on that basis, Cambium determines the precise nature of the work to be performed. Cambium undertakes all work in accordance with applicable accepted industry practices and standards. Unless required under local laws, other than as expressly stated herein, no other warranties or conditions, either expressed or implied, are made regarding the services, work or reports provided.

Reliance on Materials and Information

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Site Assessments

A site assessment is created using data and information collected during the investigation of a site and based on conditions encountered at the time and particular locations at which fieldwork is conducted. The information, sample results and data collected represent the conditions only at the specific times at which and at those specific locations from which the information, samples and data were obtained and the information, sample results and data may vary at other locations and times. To the extent that Cambium's work or report considers any locations or times other than those from which information, sample results and data was specifically received, the work or report is based on a reasonable extrapolation from such information, sample results and data but the actual conditions encountered may vary from those extrapolations.

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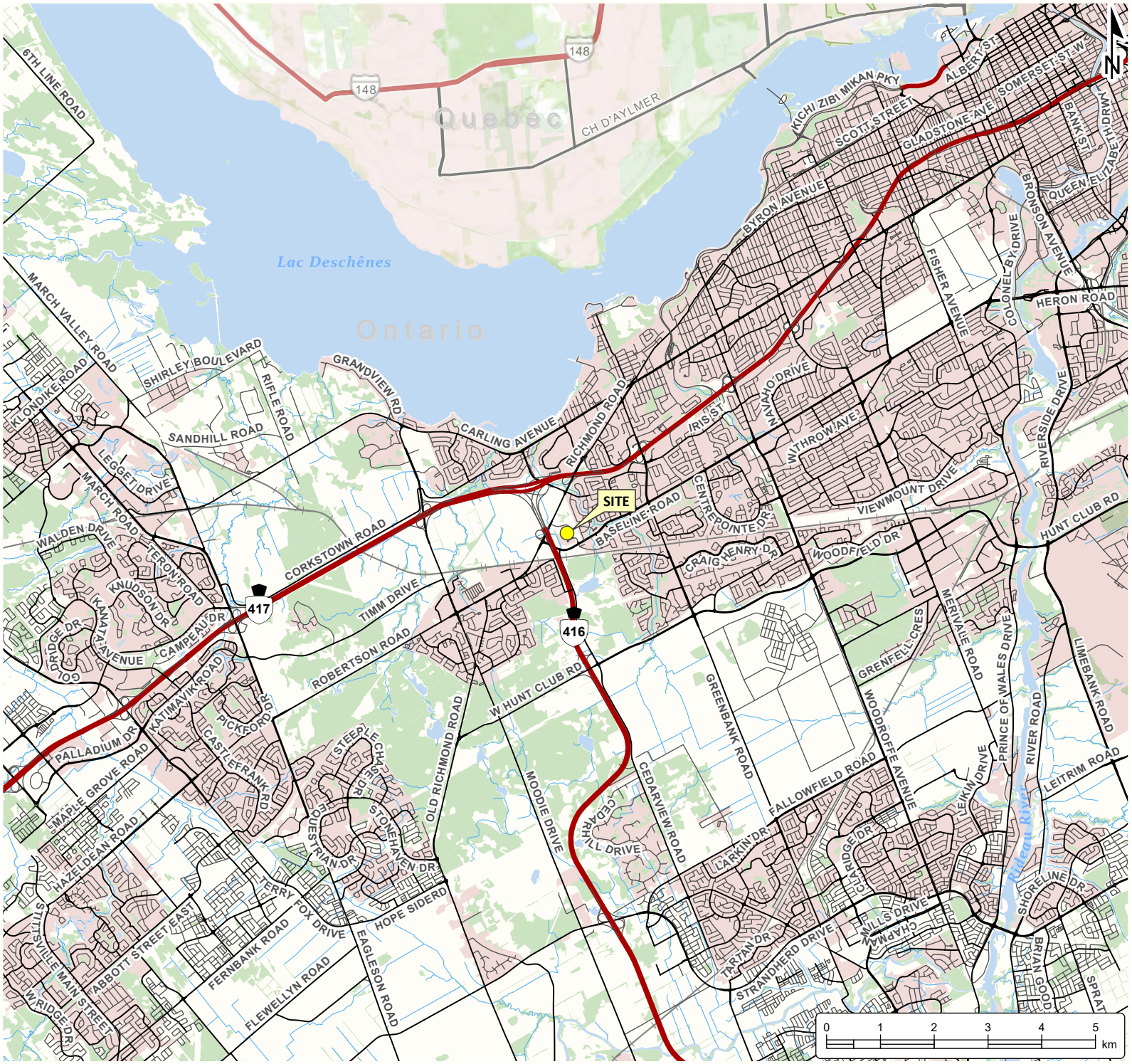
Appended Figures

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048



PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Highway
- Major Road
- Minor Road
- Railway
- Watercourse
- Water Area
- Wooded Area
- Built Up Area

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SITE LOCATION PLAN

Project No.: 23906-001	Date: March 2026	
Scale: 1:100,000	Projection: NAD 1983 UTM Zone 18N	
Created by: DS	Checked by: SB	Figure: 1

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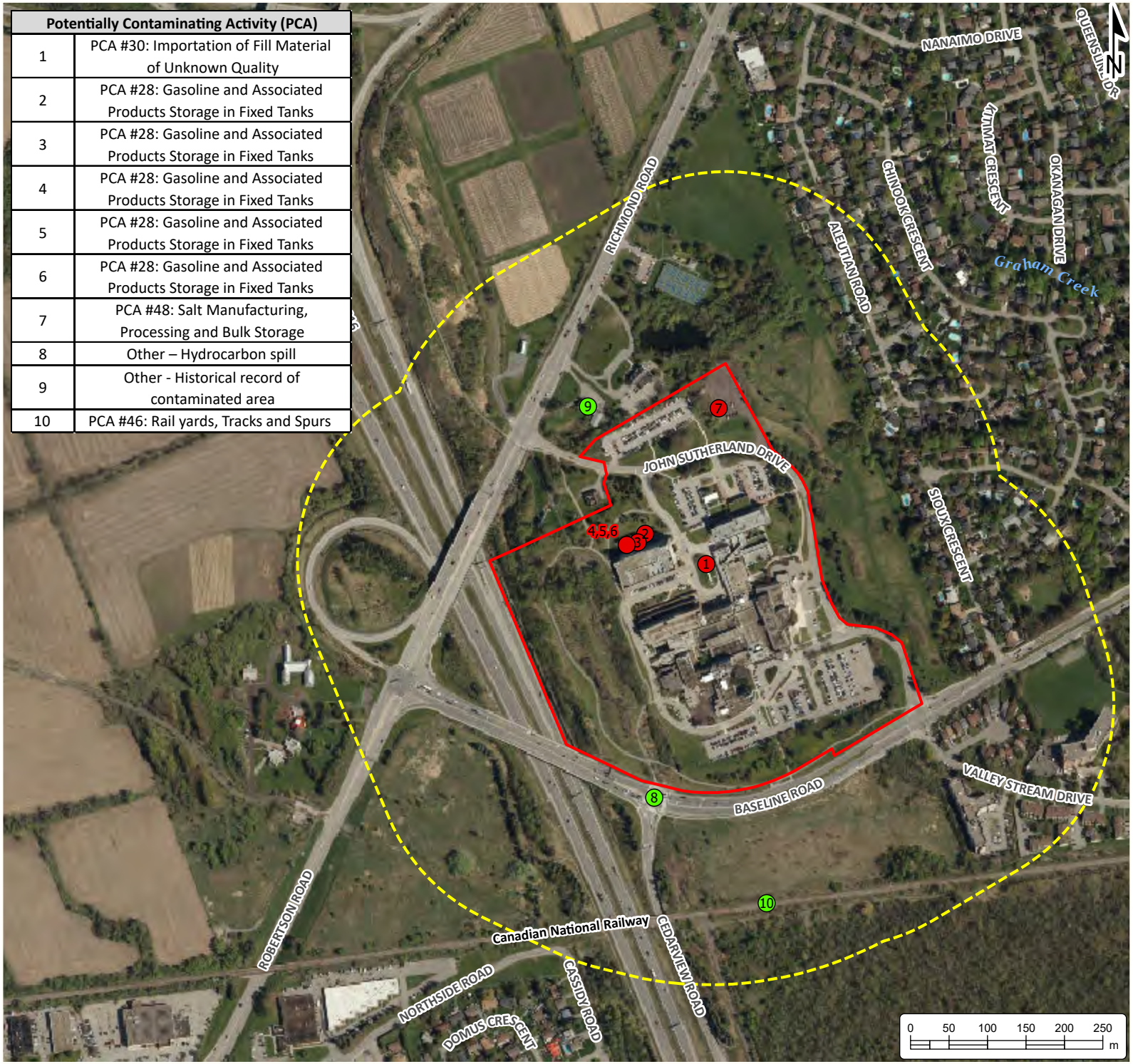
Potentially Contaminating Activity (PCA)	
1	PCA #30: Importation of Fill Material of Unknown Quality
2	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks
3	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks
4	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks
5	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks
6	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks
7	PCA #48: Salt Manufacturing, Processing and Bulk Storage
8	Other – Hydrocarbon spill
9	Other - Historical record of contaminated area
10	PCA #46: Rail yards, Tracks and Spurs



PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Study Area (250m)
- Site (approximate)

Potentially Contaminating Activity:

- Does Not Contribute to APEC
- Contributes to APEC

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CONCEPTUAL SITE MODEL STUDY AREA AND POTENTIALLY CONTAMINATING ACTIVITIES

Project No.: 23906-001	Date: March 2026	
Scale: 1:7,000	Projection: NAD 1983 UTM Zone 18N	
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APEC #	Potentially Contaminating Activity
1	Item 30 -Importation of Fill Material of Unknown Quality
2	Item 28 - Gasoline and Associated Products Storage in Fixed Tanks
3	Item 28 - Gasoline and Associated Products Storage in Fixed Tanks
4	Item 28 - Gasoline and Associated Products Storage in Fixed Tanks
5	Item 28 - Gasoline and Associated Products Storage in Fixed Tanks
6	Item 28 - Gasoline and Associated Products Storage in Fixed Tanks
7	Item 48 - Salt Manufacturing, Processing and Bulk Storage

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Butternut
- UST (Underground Storage Tank)
- AST (Aboveground Storage Tank)
- Butternut Setback 30m
- Site (approximate)

Areas of Potential Environmental Concern:

- APEC 1
- APEC 2, 3
- APEC 4,5,6
- APEC 7

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CONCEPTUAL SITE MODEL AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Project No.: 23906-001	Date: March 2026	
Scale: 1:4,000	Projection: NAD 1983 UTM Zone 18N	
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PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Cross Section
- Site (approximate)

Areas of Potential Environmental Concern:

- APEC 1
- APEC 2, 3
- APEC 4,5,6
- APEC 7

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INVESTIGATION LOCATIONS AND CROSS-SECTION LOCATIONS

Project No.: 23906-001	Date: March 2026	
Scale: 1:3,000	Projection: NAD 1983 UTM Zone 18N	
Created by: DS	Checked by: SB	Figure: 4

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PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- (73.60) Groundwater Elevation (November 11, 2025)
- Site (approximate)
- Inferred Groundwater Flow Direction

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GROUNDWATER CONFIGURATION

Project No.: 23906-001	Date: March 2026	
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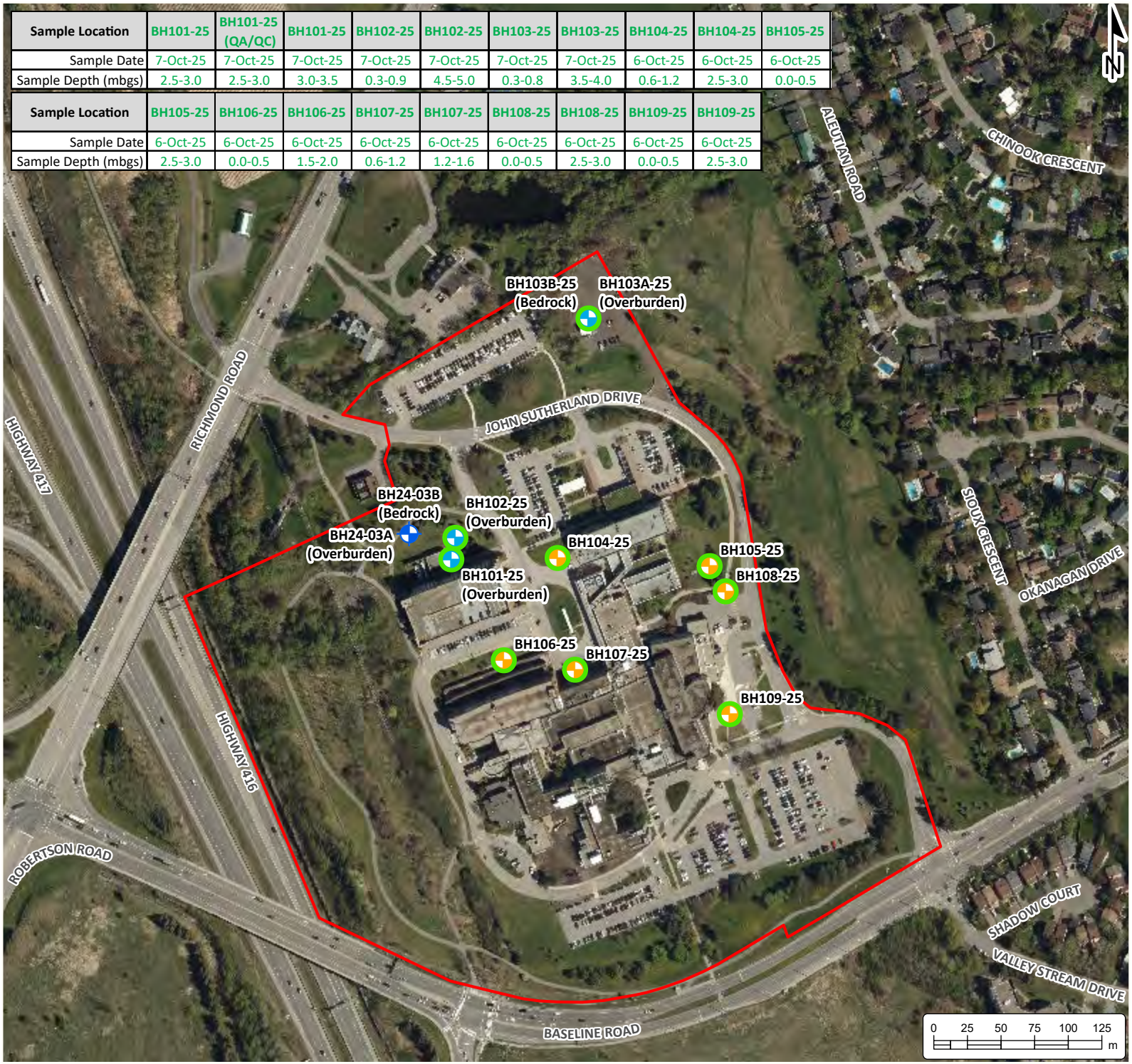
Sample Location	BH101-25	BH101-25 (QA/QC)	BH101-25	BH102-25	BH102-25	BH103-25	BH103-25	BH104-25	BH104-25	BH105-25
Sample Date	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Depth (mbgs)	2.5-3.0	2.5-3.0	3.0-3.5	0.3-0.9	4.5-5.0	0.3-0.8	3.5-4.0	0.6-1.2	2.5-3.0	0.0-0.5

Sample Location	BH105-25	BH106-25	BH106-25	BH107-25	BH107-25	BH108-25	BH108-25	BH109-25	BH109-25
Sample Date	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Depth (mbgs)	2.5-3.0	0.0-0.5	1.5-2.0	0.6-1.2	1.2-1.6	0.0-0.5	2.5-3.0	0.0-0.5	2.5-3.0



PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Site (approximate)

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SOIL QUALITY VOCS

Project No.: 23906-001	Date: March 2026	
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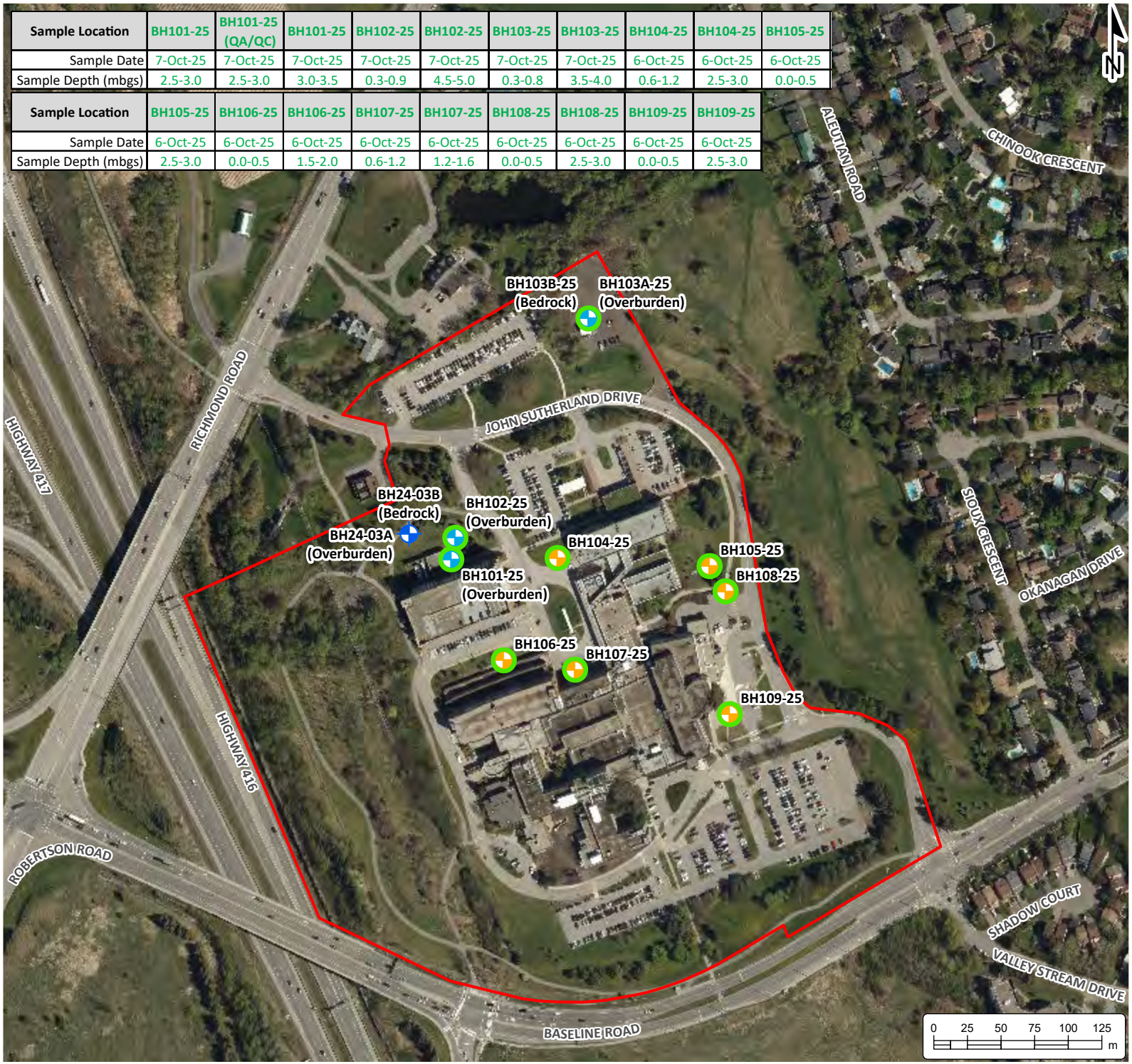
Sample Location	BH101-25	BH101-25 (QA/QC)	BH101-25	BH102-25	BH102-25	BH103-25	BH103-25	BH104-25	BH104-25	BH105-25
Sample Date	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Depth (mbgs)	2.5-3.0	2.5-3.0	3.0-3.5	0.3-0.9	4.5-5.0	0.3-0.8	3.5-4.0	0.6-1.2	2.5-3.0	0.0-0.5

Sample Location	BH105-25	BH106-25	BH106-25	BH107-25	BH107-25	BH108-25	BH108-25	BH109-25	BH109-25
Sample Date	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Depth (mbgs)	2.5-3.0	0.0-0.5	1.5-2.0	0.6-1.2	1.2-1.6	0.0-0.5	2.5-3.0	0.0-0.5	2.5-3.0



PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Site (approximate)

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SOIL QUALITY
BTEX,

Project No.: 23906-001	Date: March 2026	
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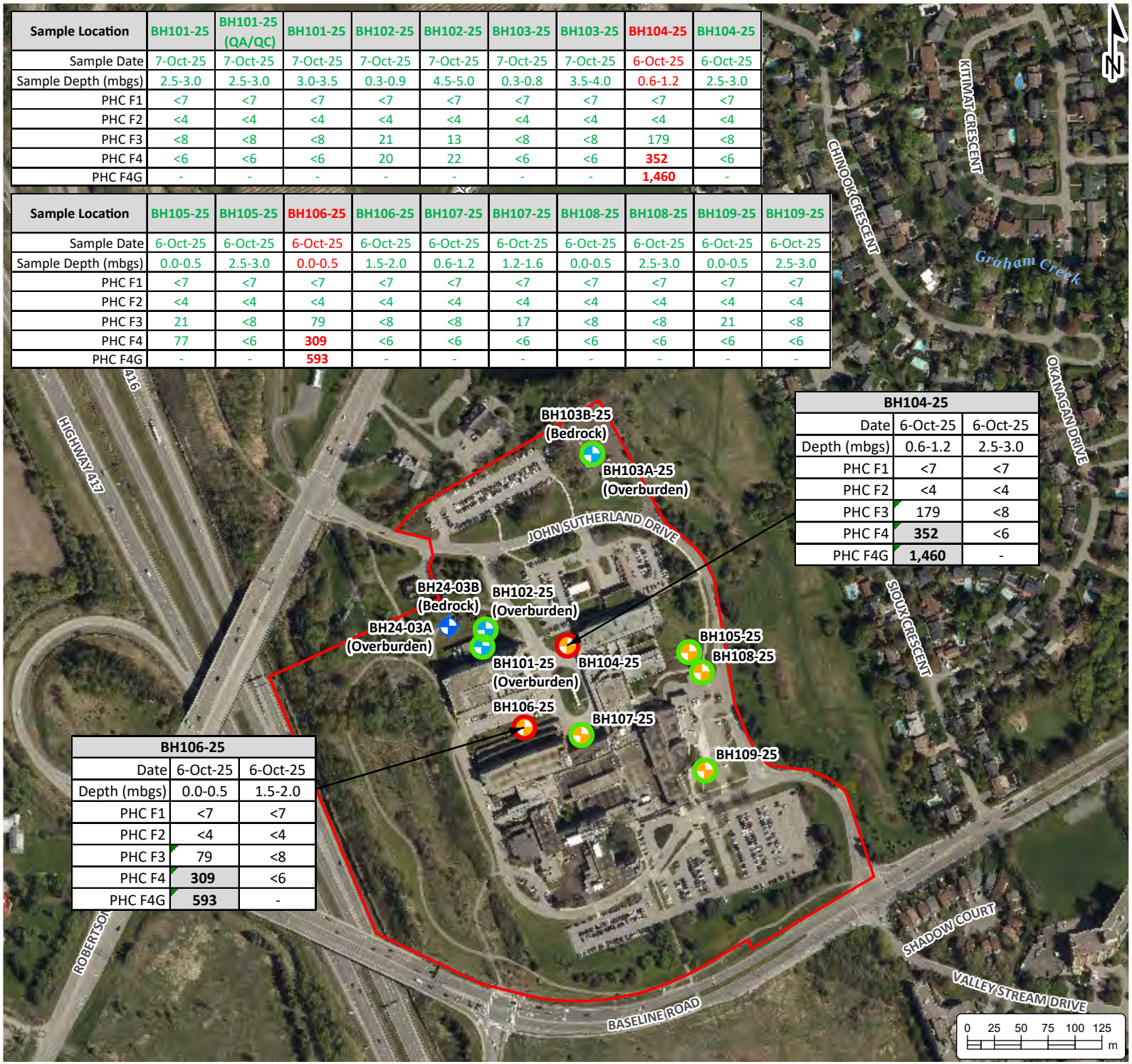
Sample Location	BH101-25	BH101-25 (QA/QC)	BH101-25	BH102-25	BH102-25	BH103-25	BH103-25	BH104-25	BH104-25
Sample Date	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	6-Oct-25	6-Oct-25
Sample Depth (mbgs)	2.5-3.0	2.5-3.0	3.0-3.5	0.3-0.9	4.5-5.0	0.3-0.8	3.5-4.0	0.6-1.2	2.5-3.0
PHC F1	<7	<7	<7	<7	<7	<7	<7	<7	<7
PHC F2	<4	<4	<4	<4	<4	<4	<4	<4	<4
PHC F3	<8	<8	<8	21	13	<8	<8	179	<8
PHC F4	<6	<6	<6	20	22	<6	<6	**352**	<6
PHC F4G	-	-	-	-	-	-	-	**1,460**	-

Sample Location	BH105-25	BH105-25	BH106-25	BH106-25	BH107-25	BH107-25	BH108-25	BH108-25	BH109-25	BH109-25
Sample Date	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Depth (mbgs)	0.0-0.5	2.5-3.0	0.0-0.5	1.5-2.0	0.6-1.2	1.2-1.6	0.0-0.5	2.5-3.0	0.0-0.5	2.5-3.0
PHC F1	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
PHC F2	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
PHC F3	21	<8	79	<8	<8	17	<8	<8	21	<8
PHC F4	77	<6	**309**	<6	<6	<6	<6	<6	<6	<6
PHC F4G	-	-	**593**	-	-	-	-	-	-	-



BH104-25		
Date	6-Oct-25	6-Oct-25
Depth (mbgs)	0.6-1.2	2.5-3.0
PHC F1	<7	<7
PHC F2	<4	<4
PHC F3	179	<8
PHC F4	**352**	<6
PHC F4G	**1,460**	-

BH106-25		
Date	6-Oct-25	6-Oct-25
Depth (mbgs)	0.0-0.5	1.5-2.0
PHC F1	<7	<7
PHC F2	<4	<4
PHC F3	79	<8
PHC F4	**309**	<6
PHC F4G	**593**	-

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Site (approximate)

Contaminant	Units	Table 1 SCS
PHC F1	µg/g	25
PHC F2	µg/g	10
PHC F3	µg/g	240
PHC F4	µg/g	120
PHC F4G	µg/g	120

Table 1 SCS: Full Depth Background Site Condition Standards, RPIICC Property Use, Coarse Texture

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SOIL QUALITY PHCS

Project No.: 23906-001	Date: March 2026	
Scale: 1:5,000	Projection: NAD 1983 UTM Zone 18N	
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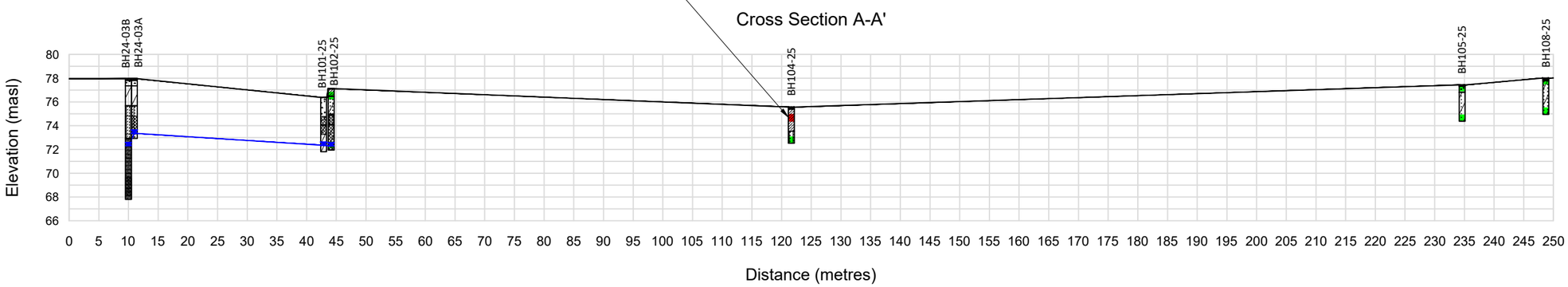
Sample Location	BH102-25	BH102-25	BH104-25	BH104-25	BH105-25	BH105-25	BH108-25	BH108-25
Sample Date	7-Oct-25	7-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Depth (mbgs)	0.3-0.9	4.5-5.0	0.6-1.2	2.5-3.0	0.0-0.5	2.5-3.0	0.0-0.5	2.5-3.0
PHC F1	<7	<7	<7	<7	<7	<7	<7	<7
PHC F2	<4	<4	<4	<4	<4	<4	<4	<4
PHC F3	21	13	179	<8	21	<8	<8	<8
PHC F4	20	22	**352**	<6	77	<6	<6	<6
PHC F4G	-	-	**1,460**	-	-	-	-	-

BH104-25		
Date	6-Oct-25	6-Oct-25
Depth (mbgs)	0.6-1.2	2.5-3.0
PHC F1	<7	<7
PHC F2	<4	<4
PHC F3	179	<8
PHC F4	**352**	<6
PHC F4G	**1,460**	-



PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Water Level (November 11, 2025)
- Fill
- Topsoil
- Sand
- Silty Sand
- Clay
- Clayey Sand
- Silty Clay - Clayey Silt
- Bedrock
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Well Screen

Contaminant	Units	Table 1 SCS
PHC F1	µg/g	25
PHC F2	µg/g	10
PHC F3	µg/g	240
PHC F4	µg/g	120
PHC F4G	µg/g	120

Table 1 SCS: Full Depth Background Site Condition Standards, RPIICC Property Use, Coarse Texture

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Cross Section A-A'
Soil Quality
PHCs

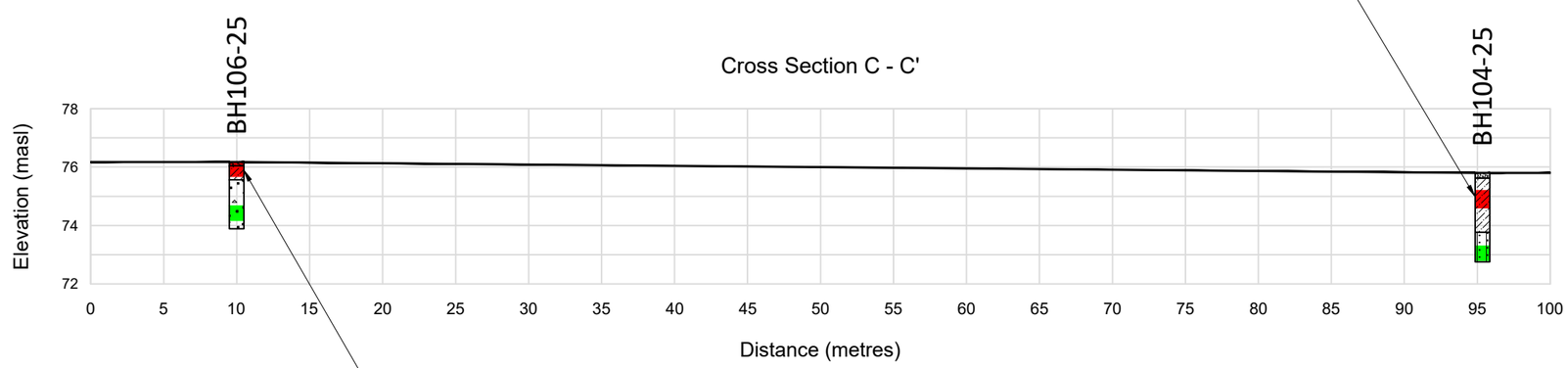
Project No.: 23906-001	Date: March 2026	
Horizontal Scale: 1:800	Vertical Scale: 1:400 (2x)	
Drawn By: DS	Checked By: SB	Figure: 9

O:\GIS\Projects\23900-23999\23906-001 Queensway Carleton Hospital -MSP- 3045 Baseline Rd\Data\2026-03-04 Cross Sections - March 2026 Updates.dwg

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH104-25	BH104-25	BH106-25	BH106-25
Sample Date	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Depth (mbgs)	0.6-1.2	2.5-3.0	0.0-0.5	1.5-2.0
PHC F1	<7	<7	<7	<7
PHC F2	<4	<4	<4	<4
PHC F3	179	<8	79	<8
PHC F4	**352**	<6	**309**	<6
PHC F4G	**1,460**	-	**593**	-

BH104-25		
Date	6-Oct-25	6-Oct-25
Depth (mbgs)	0.6-1.2	2.5-3.0
PHC F1	<7	<7
PHC F2	<4	<4
PHC F3	179	<8
PHC F4	**352**	<6
PHC F4G	**1,460**	-



BH106-25		
Date	6-Oct-25	6-Oct-25
Depth (mbgs)	0.0-0.5	1.5-2.0
PHC F1	<7	<7
PHC F2	<4	<4
PHC F3	79	<8
PHC F4	**309**	<6
PHC F4G	**593**	-

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Water Level (November 11, 2025)
- Fill
- Topsoil
- Sand
- Silty Sand
- Clay
- Clayey Sand
- Silty Clay - Clayey Silt
- Bedrock
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Well Screen

Contaminant	Units	Table 1 SCS
PHC F1	µg/g	25
PHC F2	µg/g	10
PHC F3	µg/g	240
PHC F4	µg/g	120
PHC F4G	µg/g	120

Table 1 SCS: Full Depth Background Site Condition Standards, RPIICC Property Use, Coarse Texture

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Cross Section C-C'
Soil Quality
PHCs

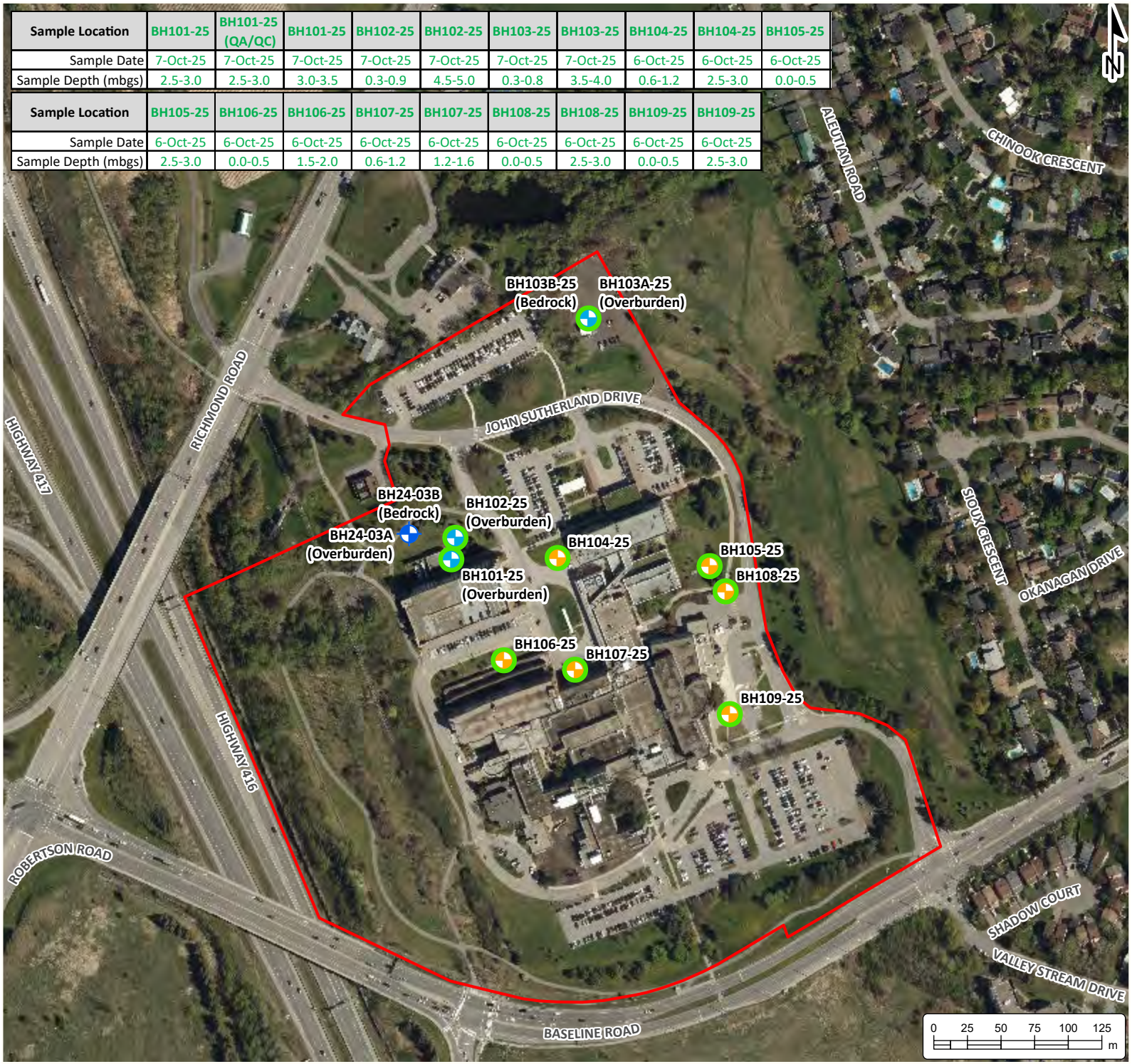
Project No.: 23906-001	Date: March 2026	
Horizontal Scale: 1:400	Vertical Scale: 1:200 (2x)	
Drawn By: DS	Checked By: SB	Figure: 10

O:\GIS\Projects\23900-23999\23906-001 Queensway Carleton Hospital -MSP- 3045 Baseline Rd\Data\2026-03-04 Cross Sections - March 2026 Updates.dwg

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH101-25	BH101-25 (QA/QC)	BH101-25	BH102-25	BH102-25	BH103-25	BH103-25	BH104-25	BH104-25	BH105-25
Sample Date	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Depth (mbgs)	2.5-3.0	2.5-3.0	3.0-3.5	0.3-0.9	4.5-5.0	0.3-0.8	3.5-4.0	0.6-1.2	2.5-3.0	0.0-0.5

Sample Location	BH105-25	BH106-25	BH106-25	BH107-25	BH107-25	BH108-25	BH108-25	BH109-25	BH109-25
Sample Date	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Depth (mbgs)	2.5-3.0	0.0-0.5	1.5-2.0	0.6-1.2	1.2-1.6	0.0-0.5	2.5-3.0	0.0-0.5	2.5-3.0



PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Site (approximate)

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SOIL QUALITY PAHS

Project No.: 23906-001	Date: March 2026	
Scale: 1:4,000	Projection: NAD 1983 UTM Zone 18N	
Created by: DS	Checked by: SB	Figure: 11

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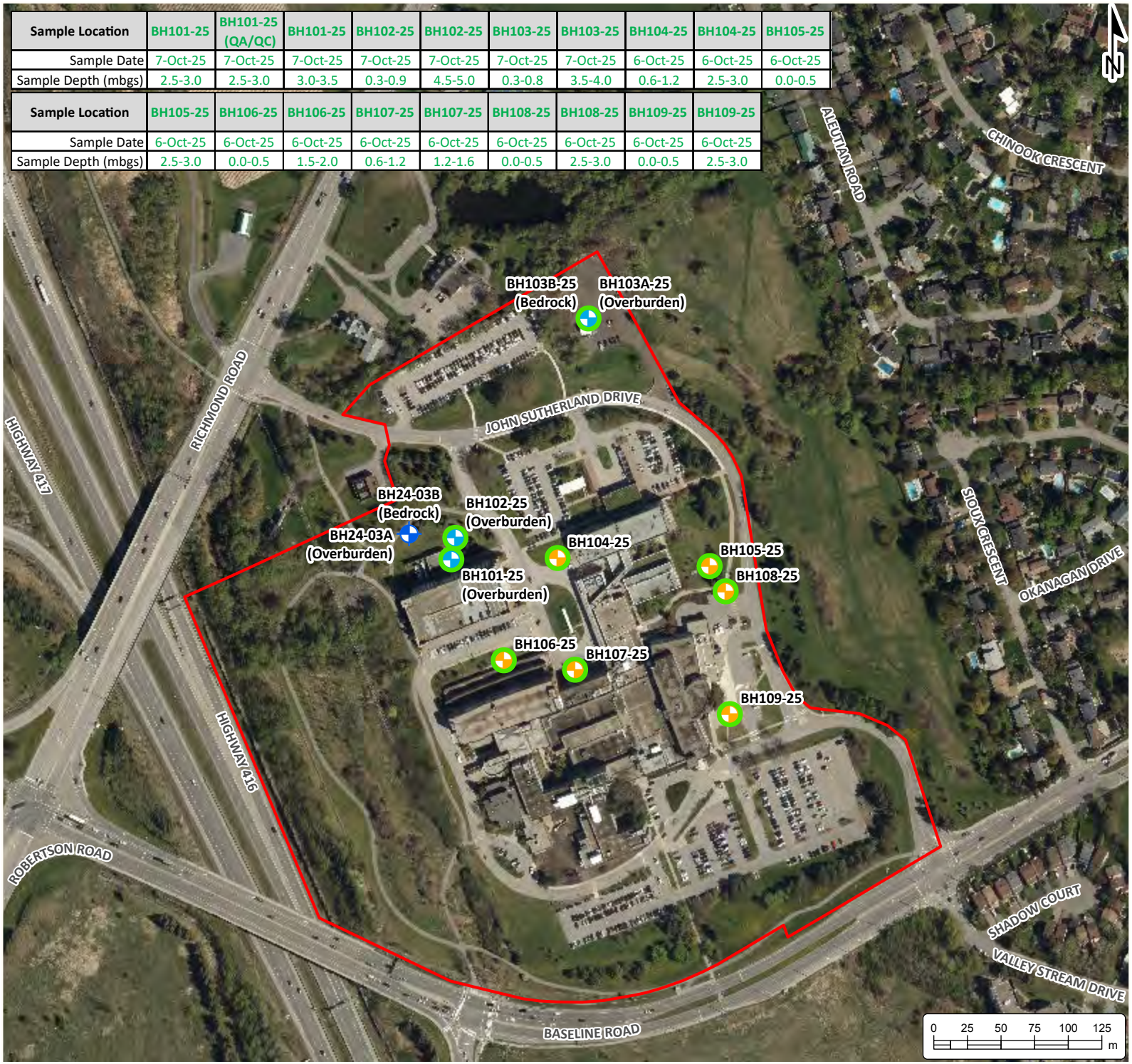
Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH101-25	BH101-25 (QA/QC)	BH101-25	BH102-25	BH102-25	BH103-25	BH103-25	BH104-25	BH104-25	BH105-25
Sample Date	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Depth (mbgs)	2.5-3.0	2.5-3.0	3.0-3.5	0.3-0.9	4.5-5.0	0.3-0.8	3.5-4.0	0.6-1.2	2.5-3.0	0.0-0.5

Sample Location	BH105-25	BH106-25	BH106-25	BH107-25	BH107-25	BH108-25	BH108-25	BH109-25	BH109-25
Sample Date	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Depth (mbgs)	2.5-3.0	0.0-0.5	1.5-2.0	0.6-1.2	1.2-1.6	0.0-0.5	2.5-3.0	0.0-0.5	2.5-3.0



PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Site (approximate)

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SOIL QUALITY METALS AND HYDRIDE-FORMING METALS

Project No.: 23906-001	Date: March 2026	
Scale: 1:4,000	Projection: NAD 1983 UTM Zone 18N	
Created by: DS	Checked by: SB	Figure: 12

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Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH101-25	BH101-25	BH101-25	BH102-25	BH102-25	BH103-25	BH103-25	BH104-25	BH104-25	BH105-25	BH105-25
Sample Date	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	7-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Type	Normal	QA/QC	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Sample Depth (mbgs)	2.5-3.0	2.5-3.0	3.0-3.5	0.3-0.9	4.5-5.0	0.3-0.8	3.5-4.0	0.6-1.2	2.5-3.0	0.0-0.5	2.5-3.0
Boron (hot water soluble)	-	-	-	<0.5	-	0.5	-	<0.5	-	<0.5	-
Chromium (VI)	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4
Cyanide (Free)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Electrical Conductivity (Lab)	1,070	1,120	652	313	474	2,030	924	265	179	162	309
Mercury	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH (Lab)	7.74	7.73	7.78	7.62	7.69	7.53	7.87	**10.36**	7.96	7.58	7.62
Sodium Adsorption Ratio	1.33	0.99	1.10	0.31	2.29	21.9	7.17	0.14	0.62	0.13	1.80

Sample Location	BH106-25	BH106-25	BH107-25	BH107-25	BH108-25	BH108-25	BH109-25	BH109-25
Sample Date	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Sample Depth (mbgs)	0.0-0.5	1.5-2.0	0.6-1.2	1.2-1.6	0.0-0.5	2.5-3.0	0.0-0.5	2.5-3.0
Boron (hot water soluble)	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	-
Chromium (VI)	<0.2	<0.2	0.3	<0.2	<0.2	**0.7**	<0.2	<0.2
Cyanide (Free)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Electrical Conductivity (Lab)	195	540	2,450	1,780	865	5,760	820	5,640
Mercury	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH (Lab)	7.67	8.05	8.08	8.23	7.79	7.89	8.00	7.79
Sodium Adsorption Ratio	0.20	5.63	26.0	11.1	4.75	29.7	4.40	43.1

BH104-25		
Date	6-Oct-25	6-Oct-25
Depth (mbgs)	0.6-1.2	2.5-3.0
Chromium (VI)	<0.2	<0.2
pH (Lab)	**10.36**	7.96

BH108-25		
Date	6-Oct-25	6-Oct-25
Depth (mbgs)	0.0-0.5	2.5-3.0
Chromium (VI)	<0.2	**0.7**
pH (Lab)	7.79	7.89

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Site (approximate)

Contaminant	Units	Table 1 SCS
Chromium (VI)	µg/g	0.66
Electrical Conductivity (Lab)	µS/cm	570
pH (surface soil <1.5 mbgs)	pH	5-9
pH (subsurface soil >1.5 mbgs)	pH	5-11
Sodium Adsorption Ratio	-	2.4

Table 1 SCS: Full Depth Background Site Condition Standards, RPIICC Property Use, Coarse Texture

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SOIL QUALITY ORPS

Project No.: 23906-001	Date: March 2026	
Scale: 1:5,000	Projection: NAD 1983 UTM Zone 18N	
Created by: DS	Checked by: SB	Figure: 13

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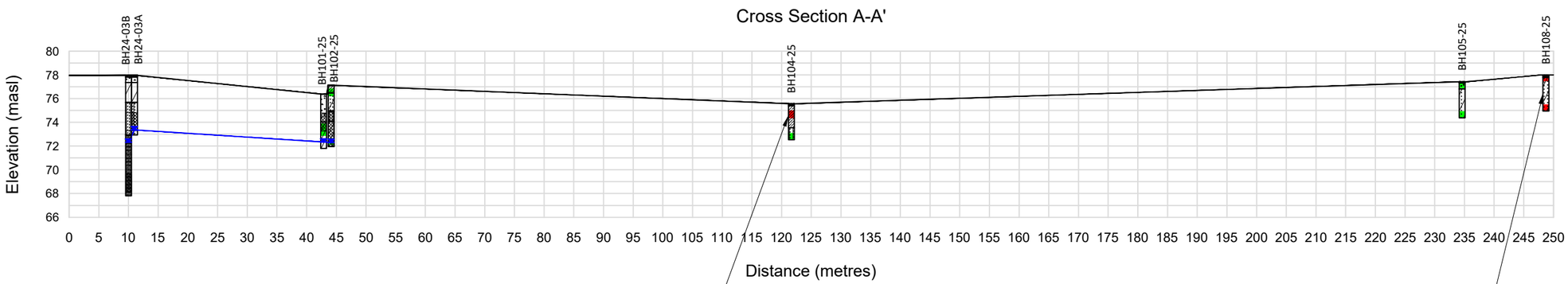
Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH102-25	BH102-25	BH104-25	BH104-25	BH105-25	BH105-25	BH108-25	BH108-25
Sample Date	7-Oct-25	7-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Sample Depth (mbgs)	0.3-0.9	4.5-5.0	0.6-1.2	2.5-3.0	0.0-0.5	2.5-3.0	0.0-0.5	2.5-3.0
Boron (hot water soluble)	<0.5	-	<0.5	-	<0.5	-	<0.5	-
Chromium (VI)	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	<0.2	**0.7**
Cyanide (Free)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Electrical Conductivity (Lab)	313	474	265	179	162	309	865	5,760
Mercury	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH (Lab)	7.62	7.69	**10.36**	7.96	7.58	7.62	7.79	7.89
Sodium Adsorption Ratio	0.31	2.29	0.14	0.62	0.13	1.80	4.75	29.7



BH104-25		
Date	6-Oct-25	6-Oct-25
Depth (mbgs)	0.6-1.2	2.5-3.0
Chromium (VI)	<0.2	<0.2
pH (Lab)	**10.36**	7.96

BH108-25		
Date	6-Oct-25	6-Oct-25
Depth (mbgs)	0.0-0.5	2.5-3.0
Chromium (VI)	<0.2	**0.7**
pH (Lab)	7.79	7.89

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Water Level (November 11, 2025)
- Fill
- Topsoil
- Sand
- Silty Sand
- Clay
- Clayey Sand
- Silty Clay - Clayey Silt
- Bedrock
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Well Screen

Contaminant	Units	Table 1 SCS
Chromium (VI)	µg/g	0.66
Electrical Conductivity (Lab)	µS/cm	570
pH (surface soil <1.5 mbgs)	pH	5-9
pH (subsurface soil >1.5 mbgs)	pH	5-11
Sodium Adsorption Ratio	-	2.4

Table 1 SCS: Full Depth Background Site Condition Standards, RPIICC Property Use, Coarse Texture

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Cross Section A-A'
Soil Quality
ORPs

Project No.: 23906-001	Date: March 2026	
Horizontal Scale: 1:800	Vertical Scale: 1:400 (2x)	
Drawn By: DS	Checked By: SB	Figure: 14

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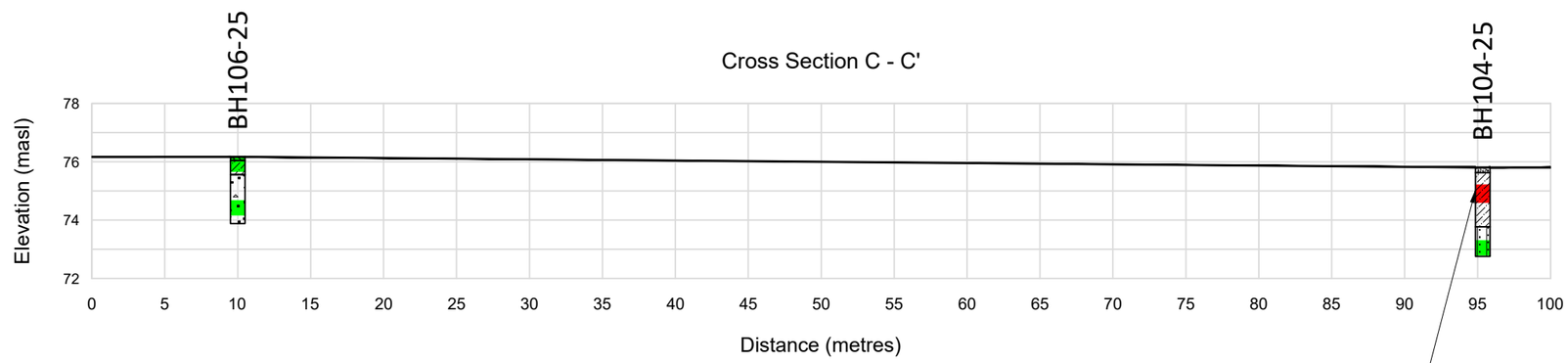
Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH104-25	BH104-25	BH106-25	BH106-25
Sample Date	6-Oct-25	6-Oct-25	6-Oct-25	6-Oct-25
Sample Type	Normal	Normal	Normal	Normal
Sample Depth (mbgs)	0.6-1.2	2.5-3.0	0.0-0.5	1.5-2.0
Boron (hot water soluble)	<0.5	-	<0.5	-
Chromium (VI)	<0.2	<0.2	<0.2	<0.2
Cyanide (Free)	<0.03	<0.03	<0.03	<0.03
Electrical Conductivity (Lab)	265	179	195	540
Mercury	<0.1	<0.1	<0.1	<0.1
pH (Lab)	**10.36**	7.96	7.67	8.05
Sodium Adsorption Ratio	0.14	0.62	0.20	5.63



BH104-25		
Date	6-Oct-25	6-Oct-25
Depth (mbgs)	0.6-1.2	2.5-3.0
Chromium (VI)	<0.2	<0.2
pH (Lab)	**10.36**	7.96

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Water Level (November 11, 2025)
- Fill
- Topsoil
- Sand
- Silty Sand
- Clay
- Clayey Sand
- Silty Clay - Clayey Silt
- Bedrock
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Well Screen

Contaminant	Units	Table 1 SCS
Chromium (VI)	µg/g	0.66
Electrical Conductivity (Lab)	µS/cm	570
pH (surface soil <1.5 mbgs)	pH	5-9
pH (subsurface soil >1.5 mbgs)	pH	5-11
Sodium Adsorption Ratio	-	2.4

Table 1 SCS: Full Depth Background Site Condition Standards, RPIICC Property Use, Coarse Texture

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Cross Section C-C'
Soil Quality
ORPs

Project No.: 23906-001	Date: March 2026	
Horizontal Scale: 1:800	Vertical Scale: 1:400 (2x)	
Drawn By: DS	Checked By: SB	Figure: 15

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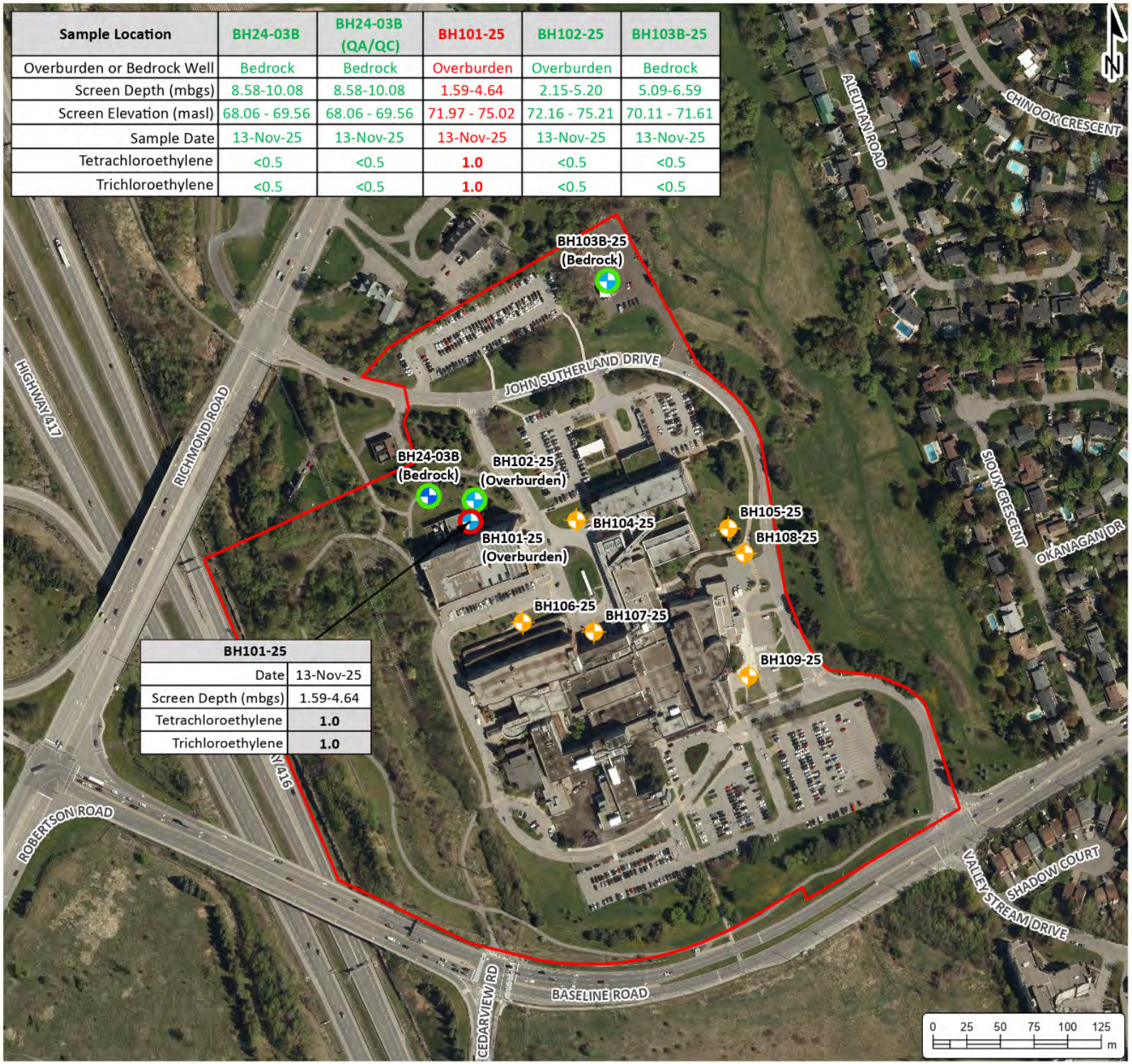
Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH24-03B	BH24-03B (QA/QC)	BH101-25	BH102-25	BH103B-25
Overburden or Bedrock Well	Bedrock	Bedrock	Overburden	Overburden	Bedrock
Screen Depth (mbgs)	8.58-10.08	8.58-10.08	1.59-4.64	2.15-5.20	5.09-6.59
Screen Elevation (masl)	68.06 - 69.56	68.06 - 69.56	71.97 - 75.02	72.16 - 75.21	70.11 - 71.61
Sample Date	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25
Tetrachloroethylene	<0.5	<0.5	**1.0**	<0.5	<0.5
Trichloroethylene	<0.5	<0.5	**1.0**	<0.5	<0.5



BH101-25	
Date	13-Nov-25
Screen Depth (mbgs)	1.59-4.64
Tetrachloroethylene	**1.0**
Trichloroethylene	**1.0**

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Site (approximate)

Contaminant	Units	Table 1 SCS
Tetrachloroethylen	µg/L	0.5
Trichloroethylene	µg/L	0.5

Table 1 SCS: Full Depth Background Site Condition Standards, All Types of Property Uses

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GROUNDWATER QUALITY VOCS

Project No.: 23906-001	Date: March 2026	
Scale: 1:4,000	Projection: NAD 1983 UTM Zone 18N	
Created by: DBC	Checked by: SB	Figure: 16

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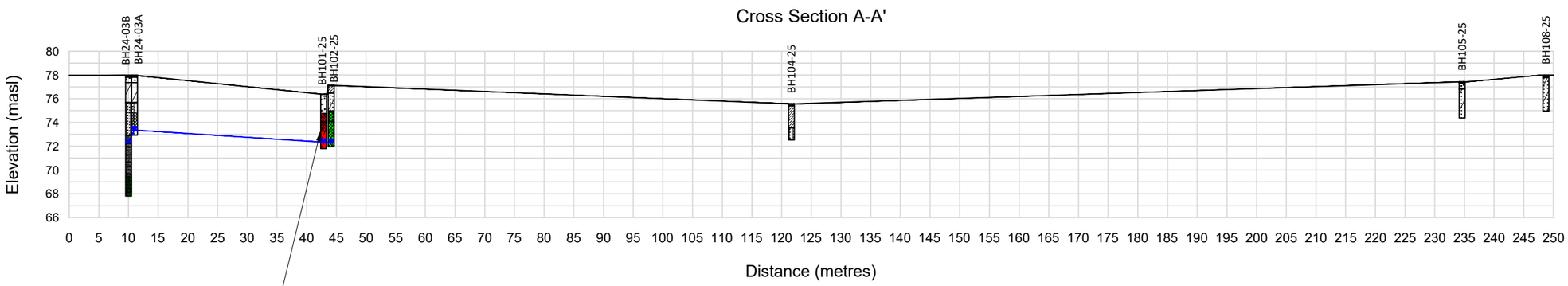
Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH24-03B	BH24-03B (QA/QC)	BH101-25	BH102-25
Overburden or Bedrock Well	Bedrock	Bedrock	Overburden	Overburden
Screen Depth (mbgs)	8.58-10.08	8.58-10.08	1.59-4.64	2.15-5.20
Screen Elevation (masl)	68.06 - 69.56	68.06 - 69.56	71.97 - 75.02	72.16 - 75.21
Sample Date	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25
Tetrachloroethylene	<0.5	<0.5	**1.0**	<0.5
Trichloroethylene	<0.5	<0.5	**1.0**	<0.5



BH101-25	
Date	13-Nov-25
Screen Depth (mbgs)	1.59-4.64
Tetrachloroethylene	**1.0**
Trichloroethylene	**1.0**

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Water Level (November 11, 2025)
- Fill
- Topsoil
- Sand
- Silty Sand
- Clay
- Clayey Sand
- Silty Clay - Clayey Silt
- Bedrock
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Well Screen

Contaminant	Units	Table 1 SCS
Tetrachloroethylene	µg/L	0.5
Trichloroethylene	µg/L	0.5

Table 1 SCS: Full Depth Background Site Condition Standards, All Types of Property Uses

Notes:
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Cross Section A-A'
Groundwater Quality
VOCs

Project No.: 23906-001	Date: March 2026	
Horizontal Scale: 1:800	Vertical Scale: 1:400 (2x)	
Drawn By: DS	Checked By: SB	Figure: 17

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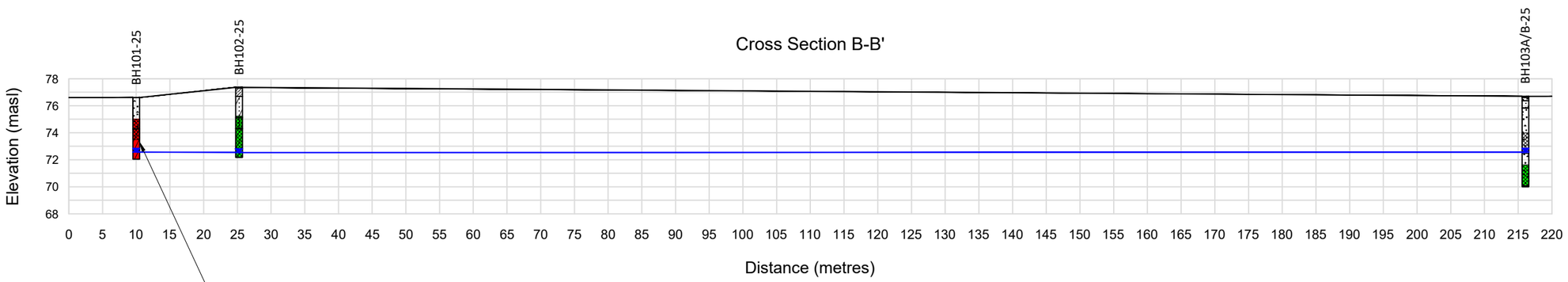
Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH101-25	BH102-25	BH103B-25
Overburden or Bedrock Well	Overburden	Overburden	Bedrock
Screen Depth (mbgs)	1.59-4.64	2.15-5.20	5.09-6.59
Screen Elevation (masl)	71.97 - 75.02	72.16 - 75.21	70.11 - 71.61
Sample Date	13-Nov-25	13-Nov-25	13-Nov-25
Tetrachloroethylene	**1.0**	<0.5	<0.5
Trichloroethylene	**1.0**	<0.5	<0.5



BH101-25	
Date	13-Nov-25
Screen Depth (mbgs)	1.59-4.64
Tetrachloroethylene	**1.0**
Trichloroethylene	**1.0**

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Water Level (November 11, 2025)
- Fill
- Topsoil
- Sand
- Silty Sand
- Clay
- Clayey Sand
- Silty Clay - Clayey Silt
- Bedrock
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Well Screen

Contaminant	Units	Table 1 SCS
Tetrachloroethylene	µg/L	0.5
Trichloroethylene	µg/L	0.5

Table 1 SCS: Full Depth Background Site Condition Standards, All Types of Property Uses

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Cross Section B-B'
Groundwater Quality
VOCs

Project No.: 23906-001	Date: March 2026	
Horizontal Scale: 1:700	Vertical Scale: 1:350 (2x)	
Drawn By: DS	Checked By: SB	Figure: 18

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Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH24-03B	BH24-03B (QA/QC)	BH101-25	BH102-25	BH103B-25
Overburden or Bedrock Well	Bedrock	Bedrock	Overburden	Overburden	Bedrock
Screen Depth (mbgs)	8.58-10.08	8.58-10.08	1.59-4.64	2.15-5.20	5.09-6.59
Screen Elevation (masl)	68.06 - 69.56	68.06 - 69.56	71.97 - 75.02	72.16 - 75.21	70.11 - 71.61
Sample Date	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Site (approximate)

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GROUNDWATER QUALITY BTEX

Project No.: 23906-001	Date: March 2026	
Scale: 1:4,000	Projection: NAD 1983 UTM Zone 18N	
Created by: DBC	Checked by: SB	Figure: 19

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Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH24-03B	BH24-03B (QA/QC)	BH101-25	BH102-25	BH103B-25
Overburden or Bedrock Well	Bedrock	Bedrock	Overburden	Overburden	Bedrock
Screen Depth (mbgs)	8.58-10.08	8.58-10.08	1.59-4.64	2.15-5.20	5.09-6.59
Screen Elevation (masl)	68.06 - 69.56	68.06 - 69.56	71.97 - 75.02	72.16 - 75.21	70.11 - 71.61
Sample Date	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Site (approximate)

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GROUNDWATER QUALITY PHCS

Project No.: 23906-001	Date: March 2026	
Scale: 1:4,000	Projection: NAD 1983 UTM Zone 18N	
Created by: DBC	Checked by: SB	Figure: 20

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Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH24-03B	BH24-03B (QA/QC)	BH101-25	BH102-25	BH103B-25
Overburden or Bedrock Well	Bedrock	Bedrock	Overburden	Overburden	Bedrock
Screen Depth (mbgs)	8.58-10.08	8.58-10.08	1.59-4.64	2.15-5.20	5.09-6.59
Screen Elevation (masl)	68.06 - 69.56	68.06 - 69.56	71.97 - 75.02	72.16 - 75.21	70.11 - 71.61
Sample Date	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Site (approximate)

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GROUNDWATER QUALITY PAHS

Project No.: 23906-001	Date: March 2026	
Scale: 1:4,000	Projection: NAD 1983 UTM Zone 18N	
Created by: DBC	Checked by: SB	Figure: 21

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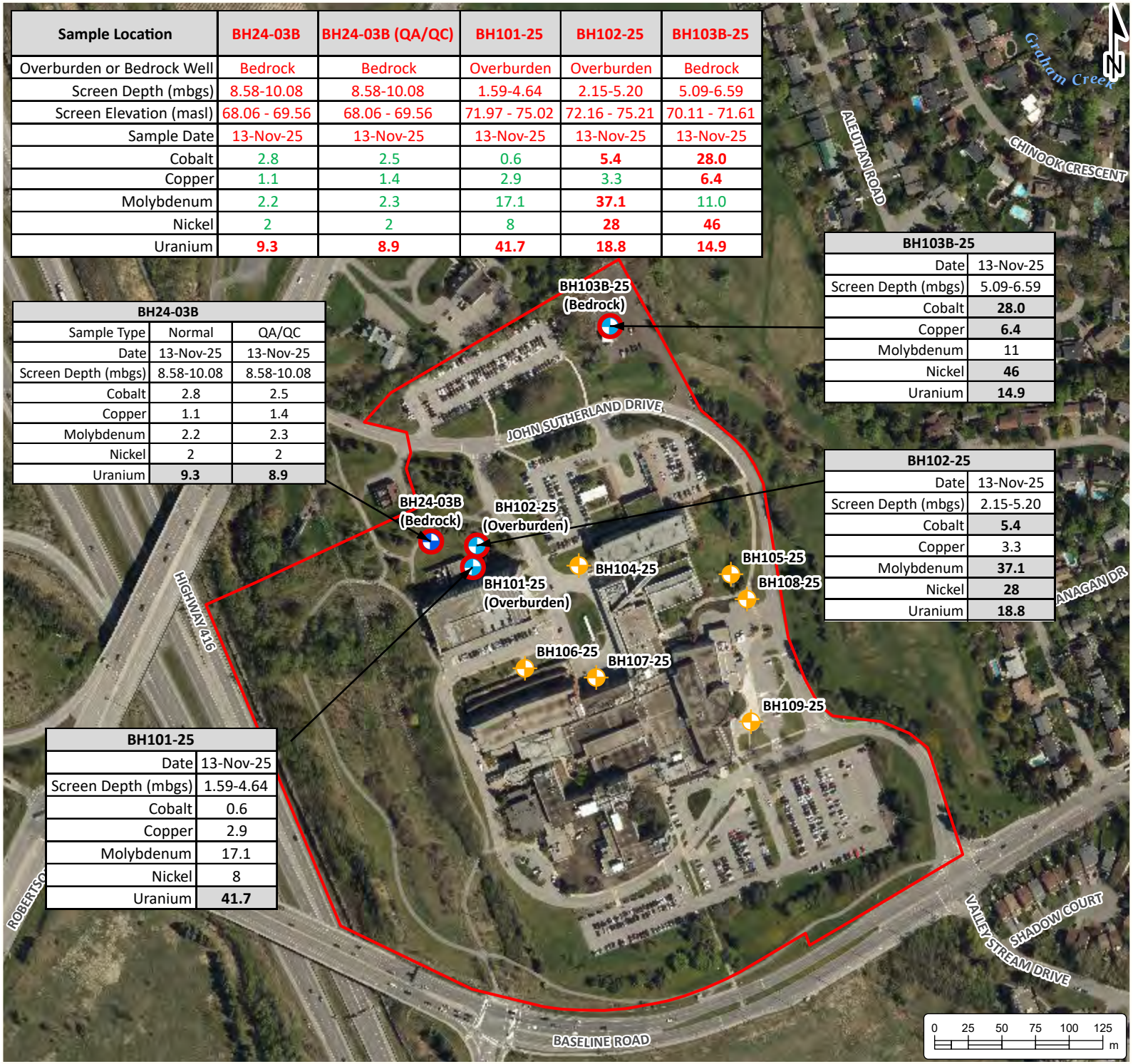
Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH24-03B	BH24-03B (QA/QC)	BH101-25	BH102-25	BH103B-25
Overburden or Bedrock Well	Bedrock	Bedrock	Overburden	Overburden	Bedrock
Screen Depth (mbgs)	8.58-10.08	8.58-10.08	1.59-4.64	2.15-5.20	5.09-6.59
Screen Elevation (masl)	68.06 - 69.56	68.06 - 69.56	71.97 - 75.02	72.16 - 75.21	70.11 - 71.61
Sample Date	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25
Cobalt	2.8	2.5	0.6	**5.4**	**28.0**
Copper	1.1	1.4	2.9	3.3	**6.4**
Molybdenum	2.2	2.3	17.1	**37.1**	11.0
Nickel	2	2	8	**28**	**46**
Uranium	**9.3**	**8.9**	**41.7**	**18.8**	**14.9**



BH24-03B		
Sample Type	Normal	QA/QC
Date	13-Nov-25	13-Nov-25
Screen Depth (mbgs)	8.58-10.08	8.58-10.08
Cobalt	2.8	2.5
Copper	1.1	1.4
Molybdenum	2.2	2.3
Nickel	2	2
Uranium	**9.3**	**8.9**

BH101-25	
Date	13-Nov-25
Screen Depth (mbgs)	1.59-4.64
Cobalt	0.6
Copper	2.9
Molybdenum	17.1
Nickel	8
Uranium	**41.7**

BH103B-25	
Date	13-Nov-25
Screen Depth (mbgs)	5.09-6.59
Cobalt	**28.0**
Copper	**6.4**
Molybdenum	11
Nickel	**46**
Uranium	**14.9**

BH102-25	
Date	13-Nov-25
Screen Depth (mbgs)	2.15-5.20
Cobalt	**5.4**
Copper	3.3
Molybdenum	**37.1**
Nickel	**28**
Uranium	**18.8**

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Site (approximate)

Contaminant	Units	Table 1 SCS
Cobalt	µg/L	3.8
Copper	µg/L	5.0
Molybdenum	µg/L	23
Nickel	µg/L	14
Uranium	µg/L	8.9

Table 1 SCS: Full Depth Background Site Condition Standards, All Types of Property Uses

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GROUNDWATER QUALITY METALS

Project No.: 23906-001	Date: March 2026	
Scale: 1:4,000	Projection: NAD 1983 UTM Zone 18N	
Created by: DBC	Checked by: SB	Figure: 22

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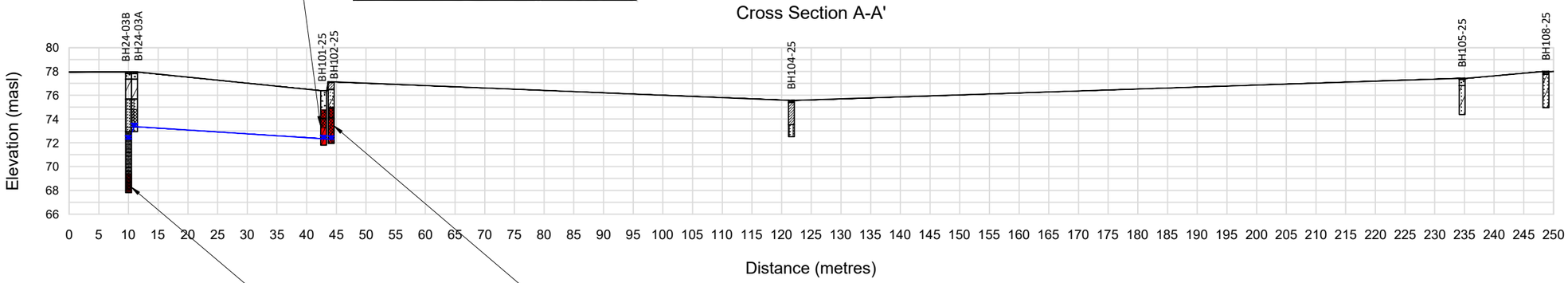
Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH24-03B	BH24-03B (QA/QC)	BH101-25	BH102-25
Overburden or Bedrock Well	Bedrock	Bedrock	Overburden	Overburden
Screen Depth (mbgs)	8.58-10.08	8.58-10.08	1.59-4.64	2.15-5.20
Screen Elevation (masl)	68.06 - 69.56	68.06 - 69.56	71.97 - 75.02	72.16 - 75.21
Sample Date	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25
Cobalt	2.8	2.5	0.6	**5.4**
Copper	1.1	1.4	2.9	3.3
Molybdenum	2.2	2.3	17.1	**37.1**
Nickel	2	2	8	**28**
Uranium	**9.3**	**8.9**	**41.7**	**18.8**

BH101-25	
Date	13-Nov-25
Screen Depth (mbgs)	1.59-4.64
Cobalt	0.6
Copper	2.9
Molybdenum	17.1
Nickel	8
Uranium	**41.7**

Cross Section A-A'



BH24-03B		
Sample Type	Normal	QA/QC
Date	13-Nov-25	13-Nov-25
Screen Depth (mbgs)	8.58-10.08	8.58-10.08
Cobalt	2.8	2.5
Copper	1.1	1.4
Molybdenum	2.2	2.3
Nickel	2	2
Uranium	**9.3**	**8.9**

BH102-25	
Date	13-Nov-25
Screen Depth (mbgs)	2.15-5.20
Cobalt	**5.4**
Copper	3.3
Molybdenum	**37.1**
Nickel	**28**
Uranium	**18.8**

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Water Level (November 11, 2025)
- Fill
- Topsoil
- Sand
- Silty Sand
- Clay
- Clayey Sand
- Silty Clay - Clayey Silt
- Bedrock
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Well Screen

Contaminant	Units	Table 1 SCS
Cobalt	µg/L	3.8
Copper	µg/L	5.0
Molybdenum	µg/L	23
Nickel	µg/L	14
Uranium	µg/L	8.9

Table 1 SCS: Full Depth Background Site Condition Standards, All Types of Property Uses

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Cross Section A-A'
Groundwater Quality
Metals

Project No.: 23906-001	Date: March 2026	
Horizontal Scale: 1:800	Vertical Scale: 1:400 (2x)	
Drawn By: DS	Checked By: SB	Figure: 23

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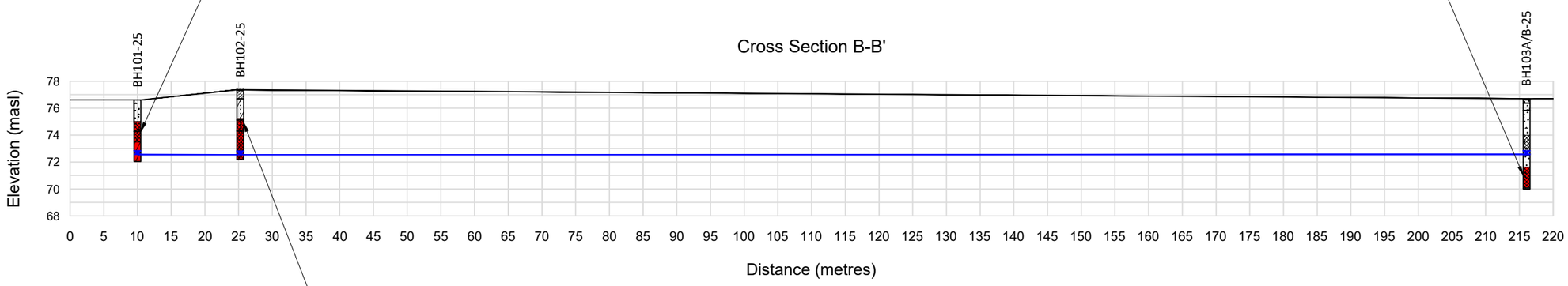
Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH101-25	BH102-25	BH103B-25
Overburden or Bedrock Well	Overburden	Overburden	Bedrock
Screen Depth (mbgs)	1.59-4.64	2.15-5.20	5.09-6.59
Screen Elevation (masl)	71.97 - 75.02	72.16 - 75.21	70.11 - 71.61
Sample Date	13-Nov-25	13-Nov-25	13-Nov-25
Cobalt	0.6	**5.4**	**28.0**
Copper	2.9	3.3	**6.4**
Molybdenum	17.1	**37.1**	11.0
Nickel	8	**28**	**46**
Uranium	**41.7**	**18.8**	**14.9**

BH101-25	
Date	13-Nov-25
Screen Depth (mbgs)	1.59-4.64
Cobalt	0.6
Copper	2.9
Molybdenum	17.1
Nickel	8
Uranium	**41.7**

BH103B-25	
Date	13-Nov-25
Screen Depth (mbgs)	5.09-6.59
Cobalt	**28.0**
Copper	**6.4**
Molybdenum	11
Nickel	**46**
Uranium	**14.9**



BH102-25	
Date	13-Nov-25
Screen Depth (mbgs)	2.15-5.20
Cobalt	**5.4**
Copper	3.3
Molybdenum	**37.1**
Nickel	**28**
Uranium	**18.8**

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Water Level (November 11, 2025)
- Fill
- Topsoil
- Sand
- Silty Sand
- Clay
- Clayey Sand
- Silty Clay - Clayey Silt
- Bedrock
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Well Screen

Contaminant	Units	Table 1 SCS
Cobalt	µg/L	3.8
Copper	µg/L	5.0
Molybdenum	µg/L	23
Nickel	µg/L	14
Uranium	µg/L	8.9

Table 1 SCS: Full Depth Background Site Condition Standards, All Types of Property Uses

Notes:
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Cross Section B-B'
Groundwater Quality
Metals

Project No.: 23906-001	Date: March 2026	
Horizontal Scale: 1:700	Vertical Scale: 1:350 (2x)	
Drawn By: DS	Checked By: SB	Figure: 24

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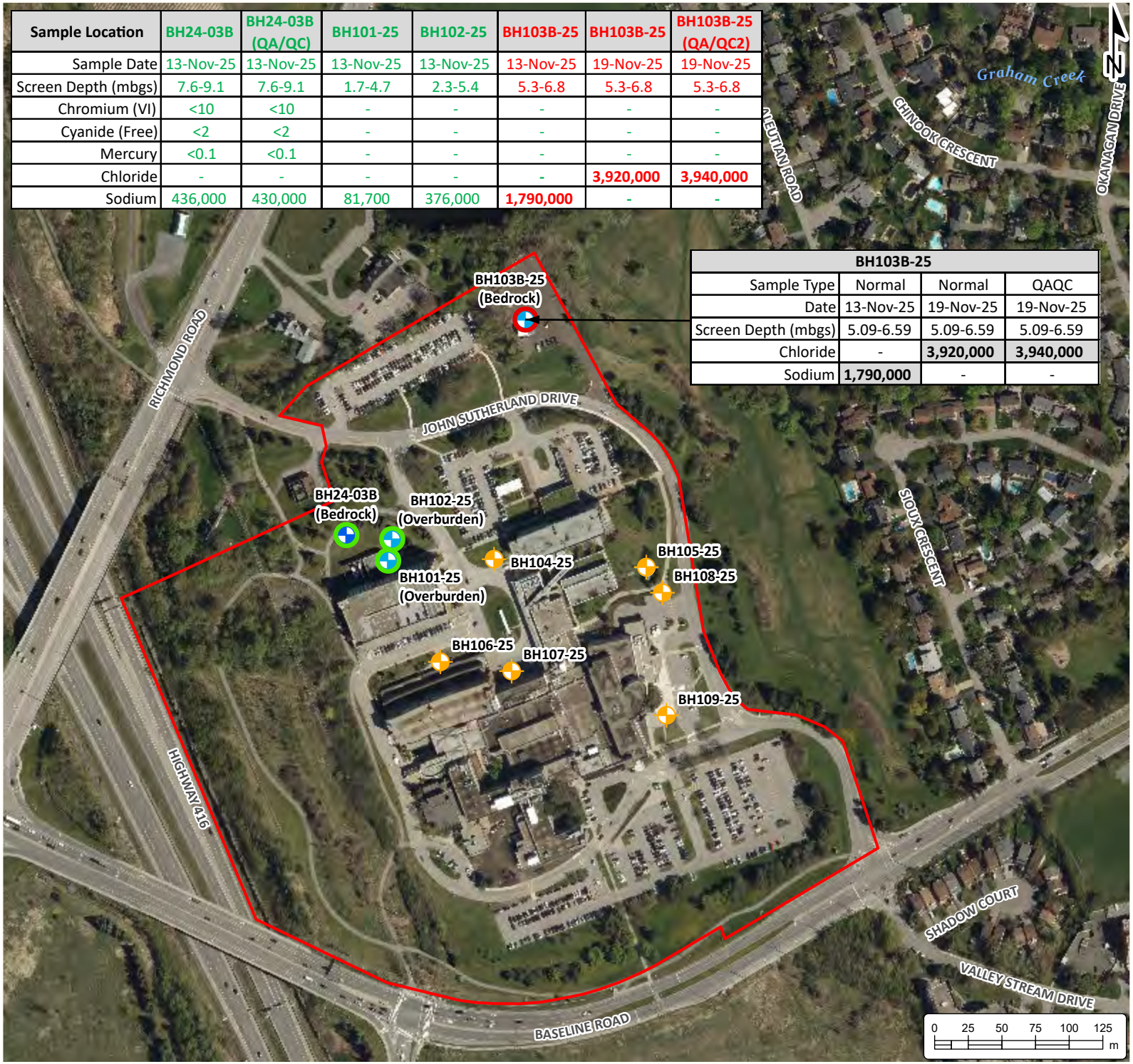
Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH24-03B	BH24-03B (QA/QC)	BH101-25	BH102-25	BH103B-25	BH103B-25	BH103B-25 (QA/QC2)
Sample Date	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25	13-Nov-25	19-Nov-25	19-Nov-25
Screen Depth (mbgs)	7.6-9.1	7.6-9.1	1.7-4.7	2.3-5.4	5.3-6.8	5.3-6.8	5.3-6.8
Chromium (VI)	<10	<10	-	-	-	-	-
Cyanide (Free)	<2	<2	-	-	-	-	-
Mercury	<0.1	<0.1	-	-	-	-	-
Chloride	-	-	-	-	-	3,920,000	3,940,000
Sodium	436,000	430,000	81,700	376,000	1,790,000	-	-

BH103B-25			
Sample Type	Normal	Normal	QAQC
Date	13-Nov-25	19-Nov-25	19-Nov-25
Screen Depth (mbgs)	5.09-6.59	5.09-6.59	5.09-6.59
Chloride	-	3,920,000	3,940,000
Sodium	1,790,000	-	-



PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Borehole
- Monitoring Well
- Existing Monitoring Well (WSP, 2024)
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Site (approximate)

Contaminant	Units	Table 1 SCS
Chloride	µg/L	790,000
Sodium	µg/L	490,000

Table 1 SCS: Full Depth Background Site Condition Standards, All Types of Property Uses

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CAMBIUM
194 Sophia Street
Peterborough, Ontario, K9H 1E5
Tel: (705) 742.7900 Fax: (705) 742.7907
www.cambium-inc.com

GROUNDWATER QUALITY ORPS

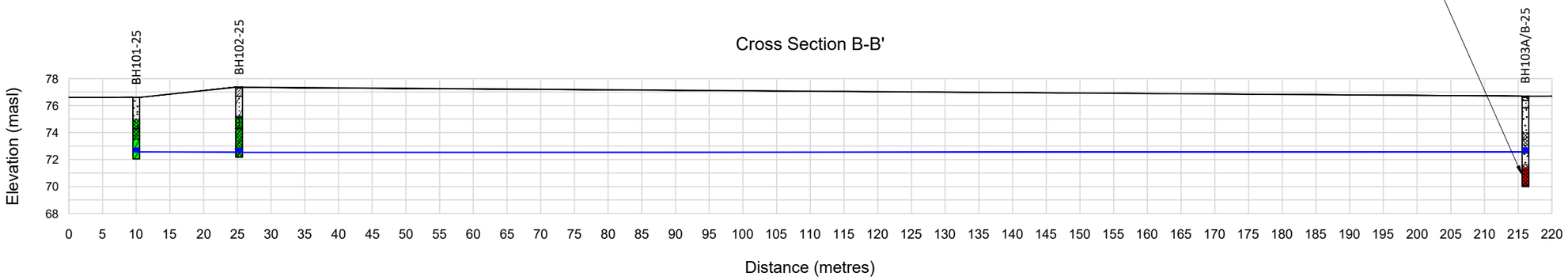
Project No.: 23906-001	Date: March 2026	
Scale: 1:4,000	Projection: NAD 1983 UTM Zone 18N	
Created by: DBC	Checked by: SB	Figure: 25

O:\GIS\Projects\23900-23999\23906-001 Queensway Carleton Hospital -MSP- 3045 Baseline Rd\2026-03-04 Phase Two - March 2026 Updates - Copy.aprx

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sample Location	BH101-25	BH102-25	BH103B-25	BH103B-25	BH103B-25 (QA/QC2)
Sample Date	13-Nov-25	13-Nov-25	13-Nov-25	19-Nov-25	19-Nov-25
Screen Depth (mbgs)	1.7-4.7	2.3-5.4	5.3-6.8	5.3-6.8	5.3-6.8
Chloride	-	-	-	**3,920,000**	**3,940,000**
Sodium	81,700	376,000	**1,790,000**	-	-

BH103B-25			
Sample Type	Normal	Normal	QAQC
Date	13-Nov-25	19-Nov-25	19-Nov-25
Screen Depth (mbgs)	5.09-6.59	5.09-6.59	5.09-6.59
Chloride	-	**3,920,000**	**3,940,000**
Sodium	**1,790,000**	-	-



PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

QUEENSWAY CARLETON HOSPITAL
3045 Baseline Road
Ottawa, Ontario

LEGEND

- Water Level (November 11, 2025)
- Fill
- Topsoil
- Sand
- Silty Sand
- Clay
- Clayey Sand
- Silty Clay - Clayey Silt
- Bedrock
- Meets Table 1 SCS
- Exceeds Table 1 SCS
- Well Screen

Contaminant	Units	Table 1 SCS
Chloride	µg/L	790,000
Sodium	µg/L	490,000

Table 1 SCS: Full Depth Background Site Condition Standards, All Types of Property Uses

Notes:
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2. Distances on this plan are in metres and can be converted to feet by dividing by 0.3048.

194 Sophia Street
Peterborough, Ontario, K9H 1E5
Tel: 705-742-7900 Fax: 705-742-7907
www.cambium-inc.com

Cross Section B-B'
Groundwater Quality
ORPs

Project No.: 23906-001	Date: March 2026	
Horizontal Scale: 1:700	Vertical Scale: 1:350 (2x)	
Drawn By: DS	Checked By: SB	Figure: 26

O:\GIS\Projects\23900-23999\23906-001 Queensway Carleton Hospital -MSP- 3045 Baseline Rd\Data\2026-03-04 Cross Sections - March 2026 Updates.dwg

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Appended Tables

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Table 1 - Table of Potentially Contaminating Activities (PCAs)

PCA ID #	Potentially Contaminating Activity[1] (PCA)	Location of PCA	PCA Description	APEC[2]
1	PCA #30: Importation of Fill Material of Unknown Quality	On-site, entire site	Based on previous Geotechnical Investigations at the Site, fill material was observed throughout the Site.	Yes
2	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel UST located adjacent to the northeast of Site Building B.	Yes
3	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel AST located adjacent to the northeast of Site Building B.	Yes
4	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel AST located in the north portion of Site Building B.	Yes
5	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel AST located in the north portion of Site Building B.	Yes
6	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site, north-central portion of the Site	A diesel AST located in the north portion of Site Building B.	Yes
7	PCA #48: Salt Manufacturing, Processing and Bulk Storage	On-site, northeast portion of the Site	A steel-framed, fabric-covered storage structure for salt and sand, located on the northeast portion of the Site.	Yes
8	Other – Hydrocarbon spill	Off-site, adjacent to the south portion of the Site	A diesel spill of 200 L onto the ground and into a catch basin located at the intersection of Cedarview Road and Baseline Road.	No
9	Other - Historical Contaminated Sites on Federal Land record	Off-site, adjacent to the north portion of the Site	The property at 3448 Richmond Road was identified in the Federal Contaminated Sites (FCS) database for historical soil and groundwater impacts, which have since been remediated.	No

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

PCA ID #	Potentially Contaminating Activity[1] (PCA)	Location of PCA	PCA Description	APEC[2]
10	PCA #46: Rail yards, Tracks and Spurs	Off-site, 145 m south of the Site	A railway line has been evident south of the Site since at least 1960.	No

Notes:

1 - Potentially Contaminating Activity (PCA) means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area.

2 - Area of Potential Environmental Concern (APEC) means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,

(a) identification of past or present uses on, in or under the phase one property, and
(b) identification of potentially contaminating activity.

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Table 2 – Table of Areas of Potential Environmental Concern (APEC)

APEC[1]	Location of APEC on the Phase One Property	PCA[2]		Location of PCA (on-site or off-site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (groundwater, soil, and/or sediment)
1	Entire Site	1	PCA #30: Importation of Fill Material of Unknown Quality	On-site	PHCs, BTEX, PAHs, metals, hydride-forming metals (As, Sb, Se), B-HWS, CrVI, Hg, CN, pH, EC, and SAR	soil
2	North-central portion of the Site	2	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site	PHCs, BTEX, PAHs, and metals	soil and groundwater
3	North-central portion of the Site	3	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site	PHCs, BTEX, PAHs, and metals	soil and groundwater
4	North-central portion of the Site	4	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site	PHCs, BTEX, PAHs, and metals	soil and groundwater
5	North-central portion of the Site	5	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site	PHCs, BTEX, PAHs, and metals	soil and groundwater
6	North-central portion of the Site	6	PCA #28: Gasoline and Associated Products Storage in Fixed Tanks	On-site	PHCs, BTEX, PAHs, and metals	soil and groundwater
7	Northeast portion of the Site	7	PCA #48: Salt Manufacturing, Processing and Bulk Storage	On-site	EC, SAR, CN	soil
					Na and Cl	groundwater

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Notes:
1. Area of Potential Environmental Concern (APEC) means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through (a) identification of past or present uses on, in or under the phase one property, and (b) identification of potentially contaminating activity.
2. Potentially Contaminating Activity (PCA) means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area.
3 - when completing this column, identify all contaminants of potential concern using the Parameter Groups as identified in Section 1.1 - 1.3 of the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality, Laboratory Services Branch, Ministry of the Environment, Conservation and Parks, March 9, 2004 (PIBS 4696), amended as of July 1, 2011 and as of February 19, 2021, Version 3.1", as specified below:

List of Parameter Groups:

ABNs	*PCBs*	*Ca, Mg*	*EC*
CPs	*PAHs*	*Metals*	*Cr(VI)*
1,4-Dioxane	*THMs*	*As, Se, Sb (hydride-forming metals)*	*Nitrate / Nitrite*
Dioxins/Furans, PCDDs/PCDFs	*VOCs*	*Na*	*Hg*
OCs	*BTEX*	*B-HWS*	*Methyl Mercury*
PHCs	*Bromomethane*	*Cl^-*	*Low or high pH*
		CN^-	*SAR*

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Table 3 - Groundwater Elevations

Location	UTM Zone	Northing	Easting	Ground Surface Elevation (masl)	Top of Pipe Elevation (masl)	Riser Height (m)	Measured Depth of Well (mbtp)	Measured Depth of Well (mbgs)	Screen Length (m)	Screen Depth - Top (mbgs)	Screen Depth - Bottom (mbgs)	Screen Elevation - Top (masl)	Screen Elevation - Bottom (masl)	GW Depth (mbtop)	GW Depth (mbgs)	GW Elevation (masl)
														2025-11-11		
BH101-25 (Overburden)	18N	5020590	436599	76.61	76.49	0.12	4.52	4.64	3.05	1.59	4.64	75.02	71.97	3.92	4.04	72.57
BH102-25 (Overburden)	18N	5020606	436602	77.36	77.26	0.10	5.10	5.20	3.05	2.15	5.20	75.21	72.16	4.74	4.84	72.52
BH103A-25 (Overburden)	18N	5020769	436701	76.70	76.63	0.07	4.16	4.23	1.50	2.73	4.23	73.97	72.47	4.08	4.15	72.55
BH103B-25 (Bedrock)	18N	5020769	436701	76.70	76.61	0.09	6.50	6.59	1.50	5.09	6.59	71.61	70.11	5.63	5.72	70.98
BH104-25	18N	5020591	436678	75.80	-	-	-	-	-	-	-	-	-	-	-	-
BH105-25	18N	5020585	436791	77.65	-	-	-	-	-	-	-	-	-	-	-	-
BH106-25	18N	5020515	436638	76.17	-	-	-	-	-	-	-	-	-	-	-	-
BH107-25	18N	5020508	436691	74.27	-	-	-	-	-	-	-	-	-	-	-	-
BH108-25	18N	5020567	436804	78.23	-	-	-	-	-	-	-	-	-	-	-	-
BH109-25	18N	5020475	436806	78.84	-	-	-	-	-	-	-	-	-	-	-	-
BH24-03A (Overburden)	18N	5020609	436568	78.19	79.06	-0.87	5.51	4.64	1.50	3.14	4.64	75.05	73.55	5.46	4.59	73.60
BH24-03B (Bedrock)	18N	5020609	436568	78.14	78.96	-0.82	10.90	10.08	1.50	8.58	10.08	69.56	68.06	6.41	5.59	72.55

Bench Mark (BM) - Center of manhole cover north of the on-site parking garage (BM elevation is 77.24 masl)
UTM - Universal Transverse Mercator
mbtop - metres below top of pipe
mbgs - metres below ground surface
masl - meters above sea level
Riser Height - negative value if stick-up monument well casing or positive value if flushmount well casing

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Table 4 - Soil Quality

			Location Code	BH101-25	BH101-25	BH101-25	BH102-25	BH102-25	BH103-25	BH103-25	BH104-25	BH104-25
			Field ID	BH101-25_2.5-3.0	QA/QC	BH101-25_3.0-3.5	BH102-25_0.3-0.9	BH102-25_4.5-5.0	BH103-25_0.3-0.8	BH103-25_3.5-4.0	BH104-25_0.6-1.2	BH104-25_2.5-3.0
			Depth	2.5 - 3.0	2.5 - 3.0	3.0 - 3.5	0.3 - 0.9	4.5 - 5.0	0.3 - 0.8	3.5 - 4.0	0.6 - 1.2	2.5 - 3.0
			Date	07 Oct 2025	07 Oct 2025	07 Oct 2025	07 Oct 2025	07 Oct 2025	07 Oct 2025	07 Oct 2025	06 Oct 2025	06 Oct 2025
	Unit	RDL	Table 1 SCS (RPIICC) #4									
BTEX												
Benzene	µg/g	0.02	**0.02**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Toluene	µg/g	0.05	**0.2**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene (m & p)	µg/g	0.05	**NV**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene (o)	µg/g	0.05	**NV**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene Total	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PHCs												
F1	µg/g	7	**25**	<7	<7	<7	<7	<7	<7	<7	<7	<7
F2	µg/g	4	**10**	<4	<4	<4	<4	<4	<4	<4	<4	<4
F3	µg/g	8	**240**	<8	<8	<8	21	13	<8	<8	179	<8
F4	µg/g	6	**120**	<6	<6	<6	20	22	<6	<6	**352**	<6
F4G-SG (GHH-Silica)	µg/g	50	**120**	-	-	-	-	-	-	-	**1,460**	-
PAHs												
Acenaphthene	µg/g	0.02	**0.072**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	µg/g	0.02	**0.093**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	µg/g	0.02	**0.16**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	µg/g	0.02	**0.36**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)pyrene	µg/g	0.02	**0.3**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(g,h,i)perylene	µg/g	0.02	**0.68**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(k)fluoranthene	µg/g	0.02	**0.48**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(b/j)fluoranthene	µg/g	0.02	**0.47**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chrysene	µg/g	0.02	**2.8**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dibenzo(a,h)anthracene	µg/g	0.02	**0.1**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	µg/g	0.02	**0.56**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	µg/g	0.02	**0.12**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Indeno(1,2,3-c,d)pyrene	µg/g	0.02	**0.23**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methylnaphthalene -1	µg/g	0.02	**0.59**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methylnaphthalene -2	µg/g	0.02	**0.59**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methylnaphthalene 1 & 2	µg/g	0.04	**0.59**	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Naphthalene	µg/g	0.01	**0.09**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	µg/g	0.02	**0.69**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Pyrene	µg/g	0.02	**1**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
VOCs												
Acetone	µg/g	0.5	**0.5**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromodichloromethane	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon tetrachloride	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromoethane,1,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,4-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,1-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,1-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-trans-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-cis-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloromethane	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3- cis	µg/g	0.05	**NV**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3- trans	µg/g	0.05	**NV**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3- cis & trans	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexane	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone	µg/g	0.5	**0.5**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Iso-Butyl Ketone	µg/g	0.5	**0.5**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MTBE	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,2,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,1-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	µg/g	0.05	**0.25**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl chloride	µg/g	0.02	**0.02**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Metals												
Antimony	µg/g	1	**1.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic	µg/g	1	**18**	2.5	1.8	2.4	2.2	2.6	2.2	1.3	1.9	<1.0
Barium	µg/g	1	**220 (456 #5)**	**256**	**235**	**242**	116	201	93.1	33.8	53.9	27.2
Beryllium	µg/g	0.5	**2.5**	0.6	0.5	0.6	<0.5	0.6	<0.5	<0.5	<0.5	<0.5
Boron	µg/g	5	**36 #1**	<5.0	<5.0	6.4	8.7	6.7	<5.0	<5.0	5.2	<5.0
Cadmium	µg/g	0.5	**1.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium (total)	µg/g	5	**70 (152 #5)**	50.5	47.2	48.2	26.5	43.5	27.2	8.3	17.9	8.7
Cobalt	µg/g	1	**21**	13.4	12.6	12.8	7.9	12.4	7.1	3.8	5.0	2.9
Copper	µg/g	5	**92**	27.6	24.9	27.3	17.9	24.6	9.2	8.8	12.2	8.2
Lead	µg/g	1	**120**	4.9	4.2	5.5	9.5	7.4	11.1	1.7	4.5	1.2
Molybdenum	µg/g	1	**2**	1.0	<1.0	1.4	<1.0	1.5	<1.0	<1.0	1.5	<1.0
Nickel	µg/g	5	**82**	28.9	25.8	27.3	16.2	24.0	13.8	5.2	9.9	<5.0
Selenium	µg/g	1	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Silver	µg/g	0.3	**0.5**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Thallium	µg/g	1	**1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Uranium	µg/g	1	**2.5**	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/g	10	**86 (122 #5)**	70.3	68.4	61.6	33.5	55.6	36.4	21.1	27.9	19.5
Zinc	µg/g	20	**290**	77.8	69.4	74.4	50.9	60.4	57.3	<20.0	29.7	<20.0
ORPs												
Boron (hot water soluble)	µg/g	0.5	**36 #2**	-	<0.5	<0.5	<0.5	-	0.5	-	<0.5	-
Chromium (VI)	µg/g	0.2	**0.66**	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cyanide (Free)	µg/g	0.03	**0.051**	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Electrical Conductivity (Lab)	µS/cm	5	**570**	***1,070***	***1,120***	***652***	313	474	***2,030***	***924***	265	179
Mercury	µg/g	0.1	**0.27**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH (Lab)	pH	0.05	**5-9 #3**	7.74	7.73	7.78	7.62	7.69	7.53	7.87	**10.36**	7.96
Sodium Adsorption Ratio	-	0.01	**2.4**	1.33	0.99	1.10	0.31	2.29	***21.9***	***7.17***	0.14	0.62

Comments
#1 Total Boron standard is for sub-surface soil (>1.5 m).
#2 HWS Boron standard is for surface soil (<1.5 m).
#3 Acceptable soil pH range of 5 to 9 for surface soils and 5 to 11 for subsurface soils.
#4 Table 1 Full Depth Background SCS for RPIICC Property Use
#5 Proposed Region-Specific Background Values Ottawa Champlain Sea sediments (Geofirma, 2023)

A	Concentration exceeds Table 1 SCS (RPIICC) #4
A	Bold and underlined values for barium, chromium and vanadium did not exceed the SCS, as it is the QP's opinion that the reported concentrations are consistent with background concentrations in soil in Champlain Sea sediments. #5
A	Bold and italicized values for EC and SAR did not exceed as per Section 49.1(1) O.Reg. 153/04

RDL - Reportable Detection Limit
RPI - Residential / Parkland / Institutional Property Use
ICC - Industrial / Commercial / Community Property Use
SCS - Site Condition Standard
"-" - Parameter not analyzed
"<" - Less than reported detection limit
NV - No Value
µg/g - microgram per gram

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Table 4 - Soil Quality

			Location Code	BH105-25	BH105-25	BH106-25	BH106-25	BH107-25	BH107-25	BH108-25	BH108-25	BH109-25	BH109-25
			Field ID	BH105-25_0.0-0.5	BH105-25_2.5-3.0	BH106-25_0.0-0.5	BH106-25_1.5-2.0	BH107-25_0.6-1.2	BH107-25_1.2-1.6	BH108-25_0.0-0.5	BH108-25_2.5-3.0	BH109-25_0.0-0.5	BH109-25_2.5-3.0
			Depth	0.0 - 0.5	2.5 - 3.0	0.0 - 0.5	1.5 - 2.0	0.6 - 1.2	1.2 - 1.6	0.0 - 0.5	2.5 - 3.0	0.0 - 0.5	2.5 - 3.0
			Date	06 Oct 2025	06 Oct 2025	06 Oct 2025	06 Oct 2025	06 Oct 2025	06 Oct 2025	06 Oct 2025	06 Oct 2025	06 Oct 2025	06 Oct 2025
	Unit	RDL	Table 1 SCS (RPIICC) #4										
BTEX													
Benzene	µg/g	0.02	**0.02**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Toluene	µg/g	0.05	**0.2**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene (m & p)	µg/g	0.05	**NV**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene (o)	µg/g	0.05	**NV**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene Total	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PHCs													
F1	µg/g	7	**25**	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
F2	µg/g	4	**10**	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
F3	µg/g	8	**240**	21	<8	79	<8	<8	17	<8	<8	21	<8
F4	µg/g	6	**120**	77	<6	**309**	<6	<6	<6	<6	<6	<6	<6
F4G-SG (GHH-Silica)	µg/g	50	**120**	-	-	**593**	-	-	-	-	-	-	-
PAHs													
Acenaphthene	µg/g	0.02	**0.072**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	µg/g	0.02	**0.093**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	µg/g	0.02	**0.16**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	µg/g	0.02	**0.36**	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)pyrene	µg/g	0.02	**0.3**	<0.02	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(g,h,i)perylene	µg/g	0.02	**0.68**	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(k)fluoranthene	µg/g	0.02	**0.48**	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(b/j)fluoranthene	µg/g	0.02	**0.47**	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chrysene	µg/g	0.02	**2.8**	<0.02	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dibenzo(a,h)anthracene	µg/g	0.02	**0.1**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	µg/g	0.02	**0.56**	<0.02	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	µg/g	0.02	**0.12**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Indeno(1,2,3-c,d)pyrene	µg/g	0.02	**0.23**	<0.02	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methylnaphthalene -1	µg/g	0.02	**0.59**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methylnaphthalene -2	µg/g	0.02	**0.59**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methylnaphthalene 1 & 2	µg/g	0.04	**0.59**	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Naphthalene	µg/g	0.01	**0.09**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenanthrene	µg/g	0.02	**0.69**	<0.02	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Pyrene	µg/g	0.02	**1**	<0.02	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
VOCs													
Acetone	µg/g	0.5	**0.5**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromodichloromethane	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon tetrachloride	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromoethane,1,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,4-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,1-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,1-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-trans-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-cis-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloromethane	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3- cis	µg/g	0.05	**NV**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3- trans	µg/g	0.05	**NV**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3- cis & trans	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexane	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone	µg/g	0.5	**0.5**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Iso-Butyl Ketone	µg/g	0.5	**0.5**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MTBE	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,2,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,1-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	µg/g	0.05	**0.05**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	µg/g	0.05	**0.25**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl chloride	µg/g	0.02	**0.02**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Metals													
Antimony	µg/g	1	**1.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic	µg/g	1	**18**	1.4	1.9	2.6	1.2	1.5	2.1	2.2	3.0	1.6	1.9
Barium	µg/g	1	**220 (456 #5)**	57.0	**236**	154	20.9	28.0	69.4	164	**304**	125	212
Beryllium	µg/g	0.5	**2.5**	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	0.6
Boron	µg/g	5	**36 #1**	<5.0	<5.0	9.0	<5.0	<5.0	6.3	8.8	<5.0	6.9	<5.0
Cadmium	µg/g	0.5	**1.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium (total)	µg/g	5	**70 (152 #5)**	13.9	52.4	20.8	10.3	14.2	21.5	27.5	**71.7**	16.1	45.7
Cobalt	µg/g	1	**21**	4.9	13.6	6.4	3.6	3.9	6.1	8.5	17.5	4.4	11.4
Copper	µg/g	5	**92**	10.2	25.7	14.7	7.1	8.8	13.3	16.7	35.9	9.7	21.2
Lead	µg/g	1	**120**	3.5	4.7	8.6	1.9	2.5	4.3	7.9	5.8	5.2	5.2
Molybdenum	µg/g	1	**2**	<1.0	<1.0	<1.0	<1.0	1.4	1.7	<1.0	<1.0	<1.0	<1.0
Nickel	µg/g	5	**82**	8.9	29.2	12.3	5.5	6.4	11.4	16.9	37.9	9.0	25.0
Selenium	µg/g	1	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Silver	µg/g	0.3	**0.5**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Thallium	µg/g	1	**1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Uranium	µg/g	1	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/g	10	**86 (122 #5)**	24.3	68.3	36.4	23.1	29.3	29.1	37.6	**92.3**	20.1	60.0
Zinc	µg/g	20	**290**	21.0	77.4	42.2	<20.0	<20.0	23.1	49.1	104	21.7	67.4
ORPs													
Boron (hot water soluble)	µg/g	0.5	**36 #2**	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	-
Chromium (VI)	µg/g	0.2	**0.66**	<0.2	0.4	<0.2	<0.2	0.3	<0.2	<0.2	**0.7**	<0.2	<0.2
Cyanide (Free)	µg/g	0.03	**0.051**	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Electrical Conductivity (Lab)	µS/cm	5	**570**	162	309	195	540	***2,450***	***1,780***	***865***	***5,760***	***820***	***5,640***
Mercury	µg/g	0.1	**0.27**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
pH (Lab)	pH	0.05	**5-9 #3**	7.58	7.62	7.67	8.05	8.08	8.23	7.79	7.89	8.00	7.79
Sodium Adsorption Ratio	-	0.01	**2.4**	0.13	1.80	0.20	***5.63***	***26.0***	***11.1***	***4.75***	***29.7***	***4.40***	***43.1***

Comments
#1 Total Boron standard is for sub-surface soil (>1.5 m).
#2 HWS Boron standard is for surface soil (<1.5 m).
#3 Acceptable soil pH range of 5 to 9 for surface soils and 5 to 11 for subsurface soils.
#4 Table 1 Full Depth Background SCS for RPIICC Property Use
#5 Proposed Region-Specific Background Values Ottawa Champlain Sea sediments (Geofirma, 2023)

A	Concentration exceeds Table 1 SCS (RPIICC) #4
A	Bold and underlined values for barium, chromium and vanadium did not exceed the SCS, as it is the QP's opinion that the reported concentrations are consistent with background concentrations in soil in Champlain Sea sediments. #5
A	Bold and italicized values for EC and SAR did not exceed as per Section 49.1(1) O.Reg. 153/04

RDL - Reportable Detection Limit
RPI - Residential / Parkland / Institutional Property Use
ICC - Industrial / Commercial / Community Property Use
SCS - Site Condition Standard
"-" - Parameter not analyzed
"<" - Less than reported detection limit
NV - No Value
µg/g - microgram per gram

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Table 5 - Groundwater Quality

Location Code					-	BH24-03B	BH24-03B	BH101-25	BH102-25	BH102-25
Overburden or Bedrock Well					-	Bedrock	Bedrock	Overburden	Overburden	Overburden
Field ID					TRIP BLANK	BH24-03B	QA/QC	BH101-25	BH102-25	BH102-25
Lab ID					2546559-06	2546559-04	2546559-05	2546559-01	2546559-02	2547335-01
Screen Depth (mbgs)					-	8.3-9.8	8.3-9.8	1.7-4.7	2.3-5.4	2.3-5.4
Screen Elevation (masl)					-	68.34 - 69.84	68.34 - 69.84	71.97 - 75.02	72.16 - 75.21	72.16 - 75.21
Date					13 Nov 2025	13 Nov 2025	13 Nov 2025	13 Nov 2025	13 Nov 2025	19 Nov 2025
	Unit	RDL	**Table 1 SCS (All Types of Property Use)[#1]**	**Maximum Concentration**						
BTEX										
Benzene	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Toluene	µg/L	0.5	**0.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Ethylbenzene	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Xylene (m & p)	µg/L	0.5	**NV**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Xylene (o)	µg/L	0.5	**NV**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Xylene Total	µg/L	0.5	**72**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
PHCs										
F1	µg/L	25	**420**	<25	-	<25	<25	<25	<25	-
F2	µg/L	100	**150**	<100	-	<100	<100	<100	<100	-
F3	µg/L	100	**500**	<100	-	<100	<100	<100	<100	-
F4	µg/L	100	**500**	<100	-	<100	<100	<100	<100	-
PAHs										
Acenaphthene	µg/L	0.05	**4.1**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Acenaphthylene	µg/L	0.05	**1**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Anthracene	µg/L	0.01	**0.1**	<0.01	-	<0.01	<0.01	<0.01	-	<0.01
Benzo(a)anthracene	µg/L	0.01	**0.2**	<0.01	-	<0.01	<0.01	<0.01	-	<0.01
Benzo(a)pyrene	µg/L	0.01	**0.01**	<0.01	-	<0.01	<0.01	<0.01	-	<0.01
Benzo(g,h,i)perylene	µg/L	0.05	**0.2**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Benzo(k)fluoranthene	µg/L	0.05	**0.1**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Benzo(b/j)fluoranthene	µg/L	0.05	**0.1**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Chrysene	µg/L	0.05	**0.1**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Dibenzo(a,h)anthracene	µg/L	0.05	**0.2**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Fluoranthene	µg/L	0.01	**0.4**	<0.01	-	<0.01	<0.01	<0.01	-	<0.01
Fluorene	µg/L	0.05	**120**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Indeno(1,2,3-c,d)pyrene	µg/L	0.05	**0.2**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Methylnaphthalene -1	µg/L	0.05	**2**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Methylnaphthalene -2	µg/L	0.05	**2**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Methylnaphthalene 1 & 2	µg/L	0.1	**2**	<0.10	-	<0.10	<0.10	<0.10	-	<0.10
Naphthalene	µg/L	0.05	**7**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Phenanthrene	µg/L	0.05	**0.1**	<0.05	-	<0.05	<0.05	<0.05	-	<0.05
Pyrene	µg/L	0.01	**0.2**	<0.01	-	<0.01	<0.01	<0.01	-	<0.01
VOCs										
Acetone	µg/L	5	**2,700**	<5	<5.0	<5.0	<5.0	<5.0	<5.0	-
Bromomethane	µg/L	0.5	**0.89**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Bromoform	µg/L	0.5	**5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Bromodichloromethane	µg/L	0.5	**2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Carbon tetrachloride	µg/L	0.2	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-
Chlorobenzene	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Chloroform	µg/L	0.5	**2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dibromoethane,1,2-	µg/L	0.2	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-
Dichlorobenzene, 1,2-	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dichlorobenzene, 1,3-	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dichlorobenzene, 1,4-	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dichlorodifluoromethane	µg/L	1	**590**	<1	<1.0	<1.0	<1.0	<1.0	<1.0	-
Dichloroethane, 1,1-	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dichloroethane, 1,2-	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dichloroethylene, 1,1-	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dichloroethylene, 1,2-trans-	µg/L	0.5	**1.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dichloroethylene, 1,2-cis-	µg/L	0.5	**1.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dichloromethane	µg/L	5	**5**	<5	<5.0	<5.0	<5.0	<5.0	<5.0	-
Dichloropropane, 1,2-	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dichloropropene, 1,3- cis	µg/L	0.5	**NV**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dichloropropene, 1,3- trans	µg/L	0.5	**NV**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dichloropropene, 1,3- cis & trans	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Dibromochloromethane	µg/L	0.5	**2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Hexane	µg/L	1	**5**	<1	<1.0	<1.0	<1.0	<1.0	<1.0	-
Methyl Ethyl Ketone	µg/L	5	**400**	<5	<5.0	<5.0	<5.0	<5.0	<5.0	-
Methyl Iso-Butyl Ketone	µg/L	5	**640**	<5	<5.0	<5.0	<5.0	<5.0	<5.0	-
MTBE	µg/L	2	**15**	<2	<2.0	<2.0	<2.0	<2.0	<2.0	-
Styrene	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Tetrachloroethylene	µg/L	0.5	**0.5**	**1**	<0.5	<0.5	<0.5	**1.0**	<0.5	-
Tetrachloroethane, 1,1,1,2-	µg/L	0.5	**1.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Tetrachloroethane, 1,1,2,2-	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Trichloroethane, 1,1,1-	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Trichloroethane, 1,1,2-	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Trichloroethylene	µg/L	0.5	**0.5**	**1**	<0.5	<0.5	<0.5	**1.0**	<0.5	-
Trichlorofluoromethane	µg/L	1	**150**	<1	<1.0	<1.0	<1.0	<1.0	<1.0	-
Vinyl chloride	µg/L	0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Metals										
Antimony	µg/L	0.5	**1.5**	1.2	-	<0.5	<0.5	<0.5	0.9	-
Arsenic	µg/L	1	**13**	2	-	2	2	<1	<1	-
Barium	µg/L	1	**610**	176	-	43	42	44	44	-
Beryllium	µg/L	0.5	**0.5**	<0.5	-	<0.5	<0.5	<0.5	<0.5	-
Boron	µg/L	10	**1,700**	174	-	56	57	120	174	-
Cadmium	µg/L	0.1	**0.5**	<0.1	-	<0.1	<0.1	<0.1	<0.1	-
Chromium (total)	µg/L	1	**11**	<1	-	<1	<1	<1	<1	-
Cobalt	µg/L	0.5	**3.8**	**28**	-	2.8	2.5	0.6	**5.4**	-
Copper	µg/L	0.5	**5**	**6.4**	-	1.1	1.4	2.9	3.3	-
Lead	µg/L	0.1	**1.9**	<0.1	-	<0.1	<0.1	<0.1	<0.1	-
Molybdenum	µg/L	0.5	**23**	**37.1**	-	2.2	2.3	17.1	**37.1**	-
Nickel	µg/L	1	**14**	**46**	-	2	2	8	**28**	-
Selenium	µg/L	1	**5**	4	-	<1	<1	<1	2	-
Silver	µg/L	0.1	**0.3**	<0.1	-	<0.1	<0.1	<0.1	<0.1	-
Thallium	µg/L	0.1	**0.5**	0.3	-	<0.1	<0.1	<0.1	<0.1	-
Uranium	µg/L	0.1	**8.9**	**41.7**	-	**9.3**	**8.9**	**41.7**	**18.8**	-
Vanadium	µg/L	0.5	**3.9**	1.6	-	<0.5	<0.5	1.6	1.3	-
Zinc	µg/L	5	**160**	10	-	5	5	<5	10	-
ORPs										
Chromium (VI)	µg/L	10	**25**	<10	-	<10	<10	-	-	-
Cyanide (Free)	ug/L	2	**5**	<2	-	<2	<2	-	-	-
Mercury	ug/L	0.1	**0.1**	<0.1	-	<0.1	<0.1	-	-	-
Chloride	µg/L	20,000	**790,000**	**3,940,000**	-	-	-	-	-	-
Sodium	µg/L	200 - 2000	**490,000**	**1,790,000**	-	436,000	430,000	81,700	376,000	-

Comments
#1 Table 1 Full Depth Background SCS for All Types of Property Use
A Concentration exceeds Table 1 SCS (All Types of Property Use) [#1]
<A Bold, no shading: RDL exceeds applicable standard
RDL - Reportable Detection Limit
RPI - Residential / Parkland / Institutional Property Use
ICC - Industrial / Commercial / Community Property Use
SCS - Site Condition Standard
"-" - Parameter not analyzed
"<" - Less than reported detection limit
NV - No Value
µg/L - microgram per litre

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Table 5 - Groundwater Quality

				Location Code	BH103B-25	BH103B-25	BH103B-25
				Overburden or Bedrock Well	Bedrock	Bedrock	Bedrock
				Field ID	BH103B-25	BH103B-25	QA/QC-2
				Lab ID	2546559-03	2547335-02	2547335-03
				Screen Depth (mbgs)	5.3-6.8	5.3-6.8	5.3-6.8
				Screen Elevation (masl)	70.11 - 71.61	70.11 - 71.61	70.11 - 71.61
				Date	13 Nov 2025	19 Nov 2025	19 Nov 2025
	Unit	RDL	**Table 1 SCS (All Types of Property Use)[#1]**	**Maximum Concentration**			
BTEX							
Benzene	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Toluene	µg/L	0.5	**0.8**	<0.5	<0.5	-	-
Ethylbenzene	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Xylene (m & p)	µg/L	0.5	**NV**	<0.5	<0.5	-	-
Xylene (o)	µg/L	0.5	**NV**	<0.5	<0.5	-	-
Xylene Total	µg/L	0.5	**72**	<0.5	<0.5	-	-
PHCs							
F1	µg/L	25	**420**	<25	<25	-	-
F2	µg/L	100	**150**	<100	<100	-	-
F3	µg/L	100	**500**	<100	<100	-	-
F4	µg/L	100	**500**	<100	<100	-	-
PAHs							
Acenaphthene	µg/L	0.05	**4.1**	<0.05	-	<0.05	-
Acenaphthylene	µg/L	0.05	**1**	<0.05	-	<0.05	-
Anthracene	µg/L	0.01	**0.1**	<0.01	-	<0.01	-
Benzo(a)anthracene	µg/L	0.01	**0.2**	<0.01	-	<0.01	-
Benzo(a)pyrene	µg/L	0.01	**0.01**	<0.01	-	<0.01	-
Benzo(g,h,i)perylene	µg/L	0.05	**0.2**	<0.05	-	<0.05	-
Benzo(k)fluoranthene	µg/L	0.05	**0.1**	<0.05	-	<0.05	-
Benzo(b/j)fluoranthene	µg/L	0.05	**0.1**	<0.05	-	<0.05	-
Chrysene	µg/L	0.05	**0.1**	<0.05	-	<0.05	-
Dibenzo(a,h)anthracene	µg/L	0.05	**0.2**	<0.05	-	<0.05	-
Fluoranthene	µg/L	0.01	**0.4**	<0.01	-	<0.01	-
Fluorene	µg/L	0.05	**120**	<0.05	-	<0.05	-
Indeno(1,2,3-c,d)pyrene	µg/L	0.05	**0.2**	<0.05	-	<0.05	-
Methylnaphthalene -1	µg/L	0.05	**2**	<0.05	-	<0.05	-
Methylnaphthalene -2	µg/L	0.05	**2**	<0.05	-	<0.05	-
Methylnaphthalene 1 & 2	µg/L	0.1	**2**	<0.10	-	<0.10	-
Naphthalene	µg/L	0.05	**7**	<0.05	-	<0.05	-
Phenanthrene	µg/L	0.05	**0.1**	<0.05	-	<0.05	-
Pyrene	µg/L	0.01	**0.2**	<0.01	-	<0.01	-
VOCs							
Acetone	µg/L	5	**2,700**	<5	<5.0	-	-
Bromomethane	µg/L	0.5	**0.89**	<0.5	<0.5	-	-
Bromoform	µg/L	0.5	**5**	<0.5	<0.5	-	-
Bromodichloromethane	µg/L	0.5	**2**	<0.5	<0.5	-	-
Carbon tetrachloride	µg/L	0.2	**0.2**	<0.2	<0.2	-	-
Chlorobenzene	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Chloroform	µg/L	0.5	**2**	<0.5	<0.5	-	-
Dibromoethane,1,2-	µg/L	0.2	**0.2**	<0.2	<0.2	-	-
Dichlorobenzene, 1,2-	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Dichlorobenzene, 1,3-	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Dichlorobenzene, 1,4-	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Dichlorodifluoromethane	µg/L	1	**590**	<1	<1.0	-	-
Dichloroethane, 1,1-	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Dichloroethane, 1,2-	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Dichloroethylene, 1,1-	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Dichloroethylene, 1,2-trans-	µg/L	0.5	**1.6**	<0.5	<0.5	-	-
Dichloroethylene, 1,2-cis-	µg/L	0.5	**1.6**	<0.5	<0.5	-	-
Dichloromethane	µg/L	5	**5**	<5	<5.0	-	-
Dichloropropane, 1,2-	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Dichloropropene, 1,3- cis	µg/L	0.5	**NV**	<0.5	<0.5	-	-
Dichloropropene, 1,3- trans	µg/L	0.5	**NV**	<0.5	<0.5	-	-
Dichloropropene, 1,3- cis & trans	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Dibromochloromethane	µg/L	0.5	**2**	<0.5	<0.5	-	-
Hexane	µg/L	1	**5**	<1	<1.0	-	-
Methyl Ethyl Ketone	µg/L	5	**400**	<5	<5.0	-	-
Methyl Iso-Butyl Ketone	µg/L	5	**640**	<5	<5.0	-	-
MTBE	µg/L	2	**15**	<2	<2.0	-	-
Styrene	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Tetrachloroethylene	µg/L	0.5	**0.5**	**1**	<0.5	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	0.5	**1.1**	<0.5	<0.5	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Trichloroethane, 1,1,1-	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Trichloroethane, 1,1,2-	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Trichloroethylene	µg/L	0.5	**0.5**	**1**	<0.5	-	-
Trichlorofluoromethane	µg/L	1	**150**	<1	<1.0	-	-
Vinyl chloride	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Metals							
Antimony	µg/L	0.5	**1.5**	1.2	1.2	-	-
Arsenic	µg/L	1	**13**	2	<1	-	-
Barium	µg/L	1	**610**	176	176	-	-
Beryllium	µg/L	0.5	**0.5**	<0.5	<0.5	-	-
Boron	µg/L	10	**1,700**	174	30	-	-
Cadmium	µg/L	0.1	**0.5**	<0.1	<0.1	-	-
Chromium (total)	µg/L	1	**11**	<1	<1	-	-
Cobalt	µg/L	0.5	**3.8**	**28**	**28.0**	-	-
Copper	µg/L	0.5	**5**	**6.4**	**6.4**	-	-
Lead	µg/L	0.1	**1.9**	<0.1	<0.1	-	-
Molybdenum	µg/L	0.5	**23**	**37.1**	11.0	-	-
Nickel	µg/L	1	**14**	**46**	**46**	-	-
Selenium	µg/L	1	**5**	4	4	-	-
Silver	µg/L	0.1	**0.3**	<0.1	<0.1	-	-
Thallium	µg/L	0.1	**0.5**	0.3	0.3	-	-
Uranium	µg/L	0.1	**8.9**	**41.7**	**14.9**	-	-
Vanadium	µg/L	0.5	**3.9**	1.6	0.6	-	-
Zinc	µg/L	5	**160**	10	7	-	-
ORPs							
Chromium (VI)	µg/L	10	**25**	<10	-	-	-
Cyanide (Free)	ug/L	2	**5**	<2	-	-	-
Mercury	ug/L	0.1	**0.1**	<0.1	-	-	-
Chloride	µg/L	20,000	**790,000**	**3,940,000**	-	**3,920,000**	**3,940,000**
Sodium	µg/L	200 - 2000	**490,000**	**1,790,000**	**1,790,000**	-	-

Comments
#1 Table 1 Full Depth Background SCS for All Types of Property Use
A Concentration exceeds Table 1 SCS (All Types of Property Use) [#1]
<A Bold, no shading: RDL exceeds applicable standard
RDL - Reportable Detection Limit
RPI - Residential / Parkland / Institutional Property Use
ICC - Industrial / Commercial / Community Property Use
SCS - Site Condition Standard
"-" - Parameter not analyzed
"<" - Less than reported detection limit
NV - No Value
µg/L - microgram per litre

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Appendix A

Sampling and Analysis Plan

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Sampling and Analysis Plan - 3045 Baseline Road, Ottawa, Ontario

September 30, 2026

Prepared for:
Queensway Carleton Hospital

Cambium Reference: 23906-001

CAMBIUM INC.

866.217.7900

cambium-inc.com

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

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Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

1.0 Introduction

This document outlines the Sampling and Analysis Plan (SAP) for the field work proposed for the Phase Two Environmental Site Assessment (ESA) at 3045 Baseline Road, Ottawa, Ontario (the Site). The Site is developed with a single-storey hospital building complete with two, three and four-storey portions, located on the south portion of the Site (Site Building A); and a seven-storey parking garage structure located on the central portion of the Site (Site Building B). In addition, an office trailer was located on the central portion of the Site and a steel framed, fabric-covered, road salt and sand storage structure was located on the northeast portion of the Site. A hospital is considered “residential use” of the property for the purposes of O.Reg. 153/04.

This SAP establishes a quality assurance and quality control (QA/QC) program, data quality objectives, standard operating procedures, and a description of potential physical impediments that may limit the ability to conduct sampling and analysis.

1.1 Objectives

Cambium Inc. (Cambium) completed a Phase One ESA for the Site (Cambium, 2025) which identified areas of potential environmental concern (APECs) associated with current and former uses of the site and surrounding properties.

The purpose of the soil characterization will be to investigate soil and groundwater quality in the identified APEC through the drilling of boreholes, the installation of monitoring wells, and the collection of soil and groundwater samples.

The contaminants of potential concern (COPCs) associated with the APECs include petroleum hydrocarbons (PHCs) F1-F4, volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), metals, hydride-forming metals, and other regulated parameters (ORPs) including hot water soluble boron (B-HWS), hexavalent chromium (CrVI), mercury (Hg), cyanide (CN), pH, electrical conductivity (EC), sodium adsorption ratio (SAR), sodium, and chloride. Potentially contaminated media are soil and groundwater.

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The overall objective of the Phase Two ESA work program is to identify areas of contamination at the Phase Two property, if any, to support the filing of a Site Plan Approval (SPA) application with the City of Ottawa. The Phase Two ESA work program will be completed to meet the requirements of Ontario Regulation (O.Reg.) 153/04. It is understood that a Record of Site Condition (RSC) is not required at this time.

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2.0 Work Proposed

Proposed boreholes and monitoring well locations and rationale are included in the following table:

Location ID	Rationale	Proposed Sample Depth	COPCs in Soil	COPCs in Groundwater
BH101-25	Investigate soil and groundwater quality adjacent northeast of Site Building B (Parking Garage) (APECs 1 to 6)	In fill and native soil	PHCs, BTEX, PAHs, metals, hydride-forming metals, B-HWS, CrVI, Hg, CN, pH, EC, and SAR	PHCs, BTEX, PAHs and metals
BH102-25	Investigate soil and groundwater quality adjacent northeast of Site Building B (Parking Garage) (APECs 1 to 3)	In fill and native soil	PHCs, BTEX, PAHs, metals, hydride-forming metals, B-HWS, CrVI, Hg, CN, pH, EC, and SAR	PHCs, BTEX, PAHs and metals
BH103-25	Investigate soil and groundwater quality in the northeast portion of the Site (salt storage area) (APEC 7)	In fill and native soil	PHCs, BTEX, PAHs, metals, hydride-forming metals, B-HWS, CrVI, Hg, CN, pH, EC, and SAR	PHCs, BTEX, PAHs, metals, sodium, and chloride
BH104-25	Investigate soil quality adjacent to the north portion of Site Building A (APEC 1)	In fill and native soil	PHCs, BTEX, PAHs, metals, hydride-forming metals, B-HWS, CrVI, Hg, CN, pH, EC, and SAR	N/A
BH105-25	Investigate soil quality on the east portion of the Site, below the planned Site Building A expansion area (APEC 1)	In fill and native soil	PHCs, BTEX, PAHs, metals, hydride-forming metals, B-HWS, CrVI, Hg, CN, pH, EC, and SAR	N/A
BH106-25	Investigate soil quality on the northwest of Site Building A, below the planned Site Building A expansion area (APEC 1)	In fill and native soil	PHCs, BTEX, PAHs, metals, hydride-forming metals, B-HWS, CrVI, Hg, CN, pH, EC, and SAR	N/A
BH107-25	Investigate soil quality north of the loading dock of Site Building A, below the planned Site Building A expansion area (APEC 1)	In fill and native soil	PHCs, BTEX, PAHs, metals, hydride-forming metals, B-HWS, CrVI, Hg, CN, pH, EC, and SAR	N/A
BH108-25	Investigate soil quality on the east portion of the Site, below the planned Site Building A expansion area (APEC 1)	In fill and native soil	PHCs, BTEX, PAHs, metals, hydride-forming metals, B-HWS, CrVI, Hg, CN, pH, EC, and SAR	N/A
BH109-25	Investigate soil quality southeast of Site Building A, below the planned Site Building A expansion area (APEC 1)	In fill and native soil	PHCs, BTEX, PAHs, metals, hydride-forming metals, B-HWS, CrVI, Hg, CN, pH, EC, and SAR	N/A
BH24-03 (existing bedrock groundwater well)	Investigate groundwater quality adjacent north of Site Building B (APECs 4, 5 and 6)	N/A	N/A	PHCs, BTEX, PAHs and metals

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To meet the objectives outlined above, the Phase Two ESA work program will generally consist of the following:

- Advance boreholes at least to the depth of the water table, or test pits at least to native soil;
- Collect soil samples continuously at regular intervals (0.76 metres) using a dual tube sampling system;
- Instrument three of the nine boreholes with a monitoring well; and,
- Collect groundwater samples using a low-flow sampling method.

2.1 Quality Assurance

Cambium will maintain the following quality control measures throughout the Phase Two ESA work program:

- Non-dedicated sampling and monitoring equipment will be decontaminated following each use and between each sampling location.
- A minimum of one (1) duplicate sample will be collected for every ten samples collected, for both soil and groundwater.
- Groundwater trip blanks will be submitted for analysis of VOCs with every groundwater VOC sample submission.

Bureau Veritas (BV), an accredited analytical laboratory, will be utilized, and the laboratory will complete additional quality control measures (i.e. duplicates, method spikes) as required by its accreditation.

All laboratory certificates of analysis will be reviewed by Cambium for data integrity and quality control. If anomalies in the reported data are identified, Cambium will resample or collect additional samples, where possible and as required.

2.2 Sampling Methods

Boreholes be advanced using a track-mounted drill rig. Retrieved soil samples will be inspected for visible and olfactory evidence of contamination. Soil samples will be divided, with

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half or more of the sample placed in a dedicated polyethylene sample bag and sealed for field screening, and the remaining sample placed in dedicated sample jars or vials for analytical submission. Samples to be submitted for analysis of PHC F1 and/or VOCs will be collected using a pre-calibrated syringe sampler and methanol preserved vial.

Two-inch diameter monitoring wells will be installed by a licensed well contractor. Monitoring wells will generally consist of a 3.1 m length of PVC screen with riser to the top of the well. Wells will be completed with either a flush-mount cover or a protective steel monument cover.

Groundwater samples will be collected following development of the well to ensure representative formation waters. Samples from each well will be collected using a low-flow peristaltic pump, with dedicated tubing installed in each of the monitoring wells. Groundwater samples requiring filtration will be field filtered using an in-line filter attached to the end of the polyethylene tubing.

Each sample will be handled by a Cambium field technician using dedicated nitrile gloves to minimize the potential for cross-contamination.

2.2.1 Sample Handling and Custody

Samples will be collected in laboratory-supplied sample containers, with preservative as necessary. All samples requiring laboratory analysis will be placed in a cooler and maintained at less than 10°C prior to and during transport to the laboratory.

Samples will be labelled with a unique sample ID, sampling date, and project number. All samples will be shipped to the laboratory under chain of custody protocols.

2.2.2 Instrumentation

The Phase Two ESA work program will require the use of the following non-dedicated instrumentation and equipment: RKI Eagle 2 portable gas detector, field water quality kit, peristaltic pump, and interface probe. Equipment will be inspected daily for damage or defects, and appropriate measures will be taken if necessary, prior to commencing field work.

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An RKI Eagle 2 portable gas detector will be used to screen the soil samples for concentrations of combustible soil vapour (CSV) and organic vapour (OV). The RKI will be calibrated to hexane and isobutylene standards. After agitating the sample, the peak concentration will be recorded by inserting the RKI probe into the sample bag.

The interface probe will be decontaminated between monitoring wells using an Alconox wash, and rinsed with distilled water

2.3 Quality Control

2.3.1 Verification and Validation Methods

To validate the integrity of the laboratory analytical data as well as sampling methods, Cambium will determine the relative percent difference (RPD) of QA/QC duplicate samples and the corresponding numbered samples. Cambium will also review the analysis of trip blanks and laboratory completed matrix spikes.

RPD is calculated using the following formula:

$$RPD(\%) = \frac{|x_1 - x_2|}{x_m} \times 100\%$$

Where: x_1 = parent sample result

x_2 = duplicate sample result

x_m = arithmetic mean of parent and duplicate sample results

Low concentrations are more sensitive to RPD values; as such, RPDs will not be calculated where the parameter concentration in the sample and/or duplicate is less than five (5) times the laboratory RDL.

The calculated RPD results were compared to the performance criteria for each parameter group as outlined in the *Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality* (MECP, 2021).

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If an RPD is calculated above the allowable limits, Cambium will attempt to determine the source of the variance, and will assess whether the elevated RPD affects the integrity and usability of the data.

If detectable contaminant concentrations are identified in the trip blank, Cambium will assess the chain of custody protocols and sample transport procedures, and determine if there are impacts to the integrity of the data.

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Appendix B

Borehole Logs

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CAMBIUM

Client:	Queensway Carleton Hospital	**Project Name:**	Phase Two Environmental Site Assessment	**Log of Borehole:**	BH101-25
Contractor:	Strata Drilling Group	**Method:**	Geoprobe 420M	**Page:**	1 of 1
Project No.:	23906-001	**Elevation:**	76.61 mASL	**Date Completed:**	October 7, 2025
Location:	3045 Baseline Road, Ottawa ON	**UTM:**	18T **N:** 5020590.00 **E:** 436599.00		

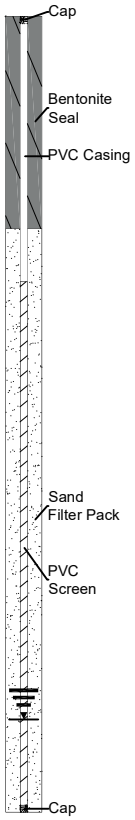
SUBSURFACE PROFILE

Elevation (m)	Depth	Stratigraphy	Description	Elevation / Depth
76.6	0		**(SW) gravelly SAND:** Greyish brown, moist, no staining, no odour	
76.1	0.5		- some silt and clay	
75.6	1			
75.1	1.5		- increasing clay content	
74.6	2			74.27 / 2.34
74.1	2.5		**(CL) sandy CLAY:** Grey, wet, no staining, no odour	
73.6	3		- some gravel	
73.1	3.5			
72.6	4			
72.1	4.5			72.04 / 4.57
			Borehole terminated @ 4.6 mbgs due to target depth achieved.	
71.6	5			
71.1	5.5			
70.6	6			
70.1	6.5			
69.6	7			
69.1				

SAMPLE

Number	Type	CSV (ppm)	OV (ppm)	% Recovery
1	DT	<5	<2	60
2	DT	<5	<2	70
3	DT	<5	<2	23
4	DT	<5	<2	22

Well Installation



Log Notes

BH101-25_2.5 -3.0: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN

BH101-25_3.0-3.5: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN

Groundwater measured at 4.04 mbgs on November 11, 2025

Logged By: NS **Input By:** JL

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

CAMBIUM

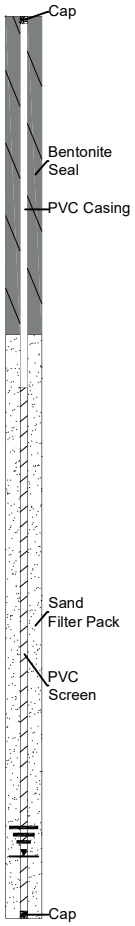
Client:	Queensway Carleton Hospital	**Project Name:**	Phase Two Environmental Site Assessment	**Log of Borehole:**	BH102-25
Contractor:	Strata Drilling Group	**Method:**	Geoprobe 420M	**Page:**	1 of 1
Project No.:	23906-001	**Elevation:**	77.36 mASL	**Date Completed:**	October 7, 2025
Location:	3045 Baseline Road, Ottawa ON	**UTM:**	18T **N:** 5020605.73 **E:** 436602.02		

SUBSURFACE PROFILE

Elevation (m)	Depth	Stratigraphy	Description	Elevation / Depth
77.4	0		**TOPSOIL:**	77.31
			FILL: Brown, sand and gravel, moist, no staining, no odour	0.05 / 76.70
76.9	0.5		**(SC) CLAYEY SAND:** Dark grey, some gravel, orange mottling, moist, no staining, no odour	0.66 / 75.12
76.4	1			
75.9	1.5			
75.4	2			
			(SM) SILTY SAND: Brown, some clay, moist, no staining, no odour	2.24 / 74.31
74.9	2.5			
74.4	3		**(CL) sandy CLAY:** Brownish grey, some silt, moist, no staining, no odour	3.05
73.9	3.5		- becoming dense, some gravel, orange mottling	
73.4	4		- softer, increasing in silt content	
72.9	4.5		- becoming grey in colour, increased gravel content	
72.4	5			72.18
71.9	5.5		Borehole terminated @ 5.2 mbgs due to refusal on presumed bedrock.	5.18
71.4	6			
70.9	6.5			
70.4	7			
69.9				

SAMPLE

Number	Type	CSV (ppm)	OV (ppm)	% Recovery
1	DT	<5	<2	60
2	DT	<5	<2	60
3	DT	<5	<2	60
4	DT	<5	<2	55
5	DT	<5	<2	55
6	DT	<5	<2	60
7	DT	<5	<2	60
8	DT	<5	<2	80



Log Notes

BH102-25_0.3-0.9: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN

Groundwater measured at 4.84 mbgs on November 11, 2025

BH102-25_4.5-5.0: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN

Logged By: NS **Input By:** JL

Peterborough, Barrie, Whitby, Kingston, Ottawa

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CAMBIUM

Client:	Queensway Carleton Hospital	**Project Name:**	Phase Two Environmental Site Assessment	**Log of Borehole:**	BH103A/B-25
Contractor:	Strata Drilling Group	**Method:**	Geoprobe 420M	**Page:**	1 of 1
Project No.:	23906-001	**Elevation:**	76.70 mASL	**Date Completed:**	October 7, 2025
Location:	3045 Baseline Road, Ottawa ON	**UTM:**	18T **N:** 5020768.86 **E:** 436700.58		

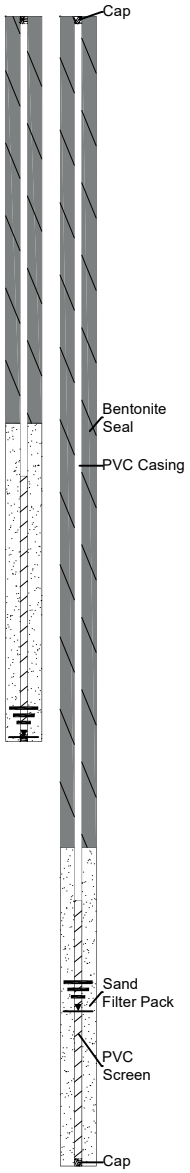
SUBSURFACE PROFILE

Elevation	Depth (m)	Stratigraphy	Description	Elevation / Depth
76.7	0		**TOPSOIL:**	76.62 / 0.08
			(SW) gravelly SAND: Dark brown, some clay, moist, no staining, no odour	76.37 / 0.33
76.2	0.5		**(SC) CLAYEY SAND:** Dark brown to grey, some gravel, orange mottling, moist, no staining, no odour	75.84 / 0.86
75.7	1		**(SW) SAND:** Brown, moist, no staining, no odour	
75.2	1.5		- some silt and gravel	
74.7	2		- becoming grey in colour, some clay	
74.2	2.5			
73.7	3		- orange mottling, wet	
73.2	3.5			
72.7	4			72.53 / 4.17
72.2	4.5		**Bedrock**	
71.7	5			
71.2	5.5			
70.7	6			
70.2	6.5			69.99 / 6.71
69.7	7		Borehole terminated @ 6.7 mbgs due to target depth achieved.	
69.2				

SAMPLE

Number	Type	CSV (ppm)	OV (ppm)	% Recovery
1	DT	<5	<2	80
2	DT	<5	<2	80
3	DT	<5	<2	80
4	DT	<5	<2	90
5	DT	<5	<2	90
6	DT	<5	<2	100
7	DT	<5	<2	100

Well Installation



Log Notes

BH103A-25 (shallow) and BH103B-25 (deep)

BH103-25_0.3-0.8: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN

BH103-25_3.5-4.0: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN

BH103A-25 groundwater measured at 4.15 mbgs on November 11, 2025

BH103B-25 groundwater measured at 5.72 mbgs on November 11, 2025

Logged By: NS **Input By:** JL

Peterborough, Barrie, Whitby, Kingston, Ottawa

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

CAMBIUM

Client:	Queensway Carleton Hospital	**Project Name:**	Phase Two Environmental Site Assessment	**Log of Borehole:**	BH104-25
Contractor:	Strata Drilling Group	**Method:**	Geoprobe 420M	**Page:**	1 of 1
Project No.:	23906-001	**Elevation:**	75.80 mASL	**Date Completed:**	October 6, 2025
Location:	3045 Baseline Road, Ottawa ON	**UTM:**	18T **N:** 5020590.62 **E:** 436678.33		

SUBSURFACE PROFILE

Elevation (m)	Depth	Stratigraphy	Description	Elevation / Depth
75.8	0		**TOPSOIL:**	75.62
			FILL: Brown, gravelly sand, some grey clay, moist, no staining, no odour	0.18
75.3	0.5			
74.8	1		- crushed asphalt observed from 1.2 to 1.4 mbgs	
74.3	1.5		- brown-grey in colour, some silt, becoming more wet - brown, trace crushed asphalt, moist	
73.8	2			73.77
			(SM) SILTY SAND: Greyish brown, moist, no staining, no odour	2.03
73.3	2.5			
72.8	3			72.75
			Borehole terminated @ 3 mbgs due to target depth achieved.	3.05
72.3	3.5			
71.8	4			
71.3	4.5			
70.8	5			
70.3	5.5			
69.8	6			
69.3	6.5			
68.8	7			
68.3				

SAMPLE

Number	Type	CSV (ppm)	OV (ppm)	% Recovery	Well Installation	Log Notes
1	DT	<5	<2	80		
2	DT	<5	<2	80		BH104-25_0.6-1.2: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN
3	DT	<5	<2	70		
4	DT	<5	<2	70		
5	DT	<5	<2	70		BH104-25_2.5-3.0: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN

Logged By: NS **Input By:** JB

Peterborough, Barrie, Whitby, Kingston, Ottawa

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

CAMBIUM

Client:	Queensway Carleton Hospital	**Project Name:**	Phase Two Environmental Site Assessment	**Log of Borehole:**	BH105-25
Contractor:	Strata Drilling Group	**Method:**	Geoprobe 420M	**Page:**	1 of 1
Project No.:	23906-001	**Elevation:**	77.65 mASL	**Date Completed:**	October 6, 2025
Location:	3045 Baseline Road, Ottawa ON	**UTM:**	18T **N:** 5020584.74 **E:** 436791.34		

SUBSURFACE PROFILE				SAMPLE						
Elevation (m)	Depth	Stratigraphy	Description	Elevation / Depth	Number	Type	CSV (ppm)	OV (ppm)	% Recovery	Well Installation	Log Notes
77.6	0		**TOPSOIL:**	77.55							
			(SW) SAND: Light brown, some gravel, moist, no staining, no odour	0.10 / 77.04	1	DT	<5	<2	60		0.3m: BH105-25_0-0.5: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN
77.2	0.5		**(SC) CLAYEY SAND:** Grey, dense, moist, no staining, no odour	0.61							
			- crushed rock		2	DT	<5	<2	75		
76.6	1										
76.2	1.5		- crushed rock								
75.6	2				3	DT	<5	<2	100		
75.2	2.5		- becoming wet		4	DT	<5	<2	100		BH105-25_2.5-3.0: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN
74.6	3			74.60							
			Borehole terminated @ 3 mbgs due to target depth achieved.	3.05							
74.2	3.5										
73.6	4										
73.2	4.5										
72.6	5										
72.2	5.5										
71.6	6										
71.2	6.5										
70.6	7										
70.2											

Logged By: NS **Input By:** JB

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

CAMBIUM

Client:	Queensway Carleton Hospital	**Project Name:**	Phase Two Environmental Site Assessment	**Log of Borehole:**	BH106-25
Contractor:	Strata Drilling Group	**Method:**	Geoprobe 420M	**Page:**	1 of 1
Project No.:	23906-001	**Elevation:**	76.17 mASL	**Date Completed:**	October 6, 2025
Location:	3045 Baseline Road, Ottawa ON	**UTM:**	18T **N:** 5020515.14 **E:** 436638.49		

SUBSURFACE PROFILE			SAMPLE						
Elevation (m) / Depth	Stratigraphy	Description (Elevation / Depth)	Number	Type	CSV (ppm)	OV (ppm)	% Recovery	Well Installation	Log Notes
76.2 / 0		**TOPSOIL:** 76.04							
		FILL: Brown to greyish black, gravelly sand, trace woodchips, moist, no staining, no odour 0.13 / 75.56	1	DT	<5	<2	70		BH106-25_0-0.5: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN
75.7 / 0.5		**(SW) SAND:** Brown, some gravel, moist, no staining, no odour 0.61							
75.2 / 1			2	DT	<5	<2	70		
74.7 / 1.5		- no gravel, saturated							
		- brownish grey, some silt	3	DT	<5	<2	70		BH106-25_1.5-2.0: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN
74.2 / 2		73.88	4	DT	<5	<2	100		
73.7 / 2.5		Borehole terminated @ 2.3 mbgs due to sampler refusal on presumed bedrock. 2.29							
73.2 / 3									
72.7 / 3.5									
72.2 / 4									
71.7 / 4.5									
71.2 / 5									
70.7 / 5.5									
70.2 / 6									
69.7 / 6.5									
69.2 / 7									
68.7									

Logged By: NS **Input By:** JB

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

CAMBIUM

Client:	Queensway Carleton Hospital	**Project Name:**	Phase Two Environmental Site Assessment	**Log of Borehole:**	BH107-25
Contractor:	Strata Drilling Group	**Method:**	Geoprobe 420M	**Page:**	1 of 1
Project No.:	23906-001	**Elevation:**	74.27 mASL	**Date Completed:**	October 6, 2025
Location:	3045 Baseline Road, Ottawa ON	**UTM:**	18T **N:** 5020508.00 **E:** 436691.00		

SUBSURFACE PROFILE				SAMPLE						
Elevation (m)	Depth	Stratigraphy	Description	Number	Type	CSV (ppm)	OV (ppm)	% Recovery	Well Installation	Log Notes
74.3	0		**ASPHALT:** 74.17							
			(SW) gravelly SAND: Brownish grey, moist, no staining, no odour 0.10	1	DT	<5	<2	75		
73.8	0.5		- brown	2	DT	<5	<2	100		BH107-25_0.6-1.2: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN
73.3	1		- grey, becoming wet							
72.8	1.5		72.75	3	DT	<5	<2	100		BH107-25_1.2-1.6: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN
			(SC) CLAYEY SAND: Grey, some silt, wet, no staining, no odour 1.52 72.59							
72.3	2		Borehole terminated @ 1.7 mbgs due to sampler refusal on presumed bedrock. 1.68							
71.8	2.5									
71.3	3									
70.8	3.5									
70.3	4									
69.8	4.5									
69.3	5									
68.8	5.5									
68.3	6									
67.8	6.5									
67.3	7									
66.8										

Logged By: NS **Input By:** JB

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

CAMBIUM

Client:	Queensway Carleton Hospital	**Project Name:**	Phase Two Environmental Site Assessment	**Log of Borehole:**	BH108-25
Contractor:	Strata Drilling Group	**Method:**	Geoprobe 420M	**Page:**	1 of 1
Project No.:	23906-001	**Elevation:**	78.23 mASL	**Date Completed:**	October 6, 2025
Location:	3045 Baseline Road, Ottawa ON	**UTM:**	18T **N:** 5020566.98 **E:** 436803.56		

SUBSURFACE PROFILE				SAMPLE						
Elevation (m)	Depth	Stratigraphy	Description	Elevation / Depth	Number	Type	CSV (ppm)	OV (ppm)	% Recovery	Well Installation	Log Notes
78.2	0		**TOPSOIL:**	78.13							
			(SW) gravelly SAND: Grey, moist, no staining, no odour	0.10 / 78.00	1	DT	<5	<2	75		BH108-25_0-0.5: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN
77.7	0.5		**(SC) CLAYEY SAND:** Brownish grey, moist, no staining, no odour	0.23							
			- grey, some gravel								
77.2	1				2	DT	<5	<2	75		
76.7	1.5		- orange mottling								
			- dense								
76.2	2				3	DT	<5	<2	100		
75.7	2.5		- increasing clay content		4	DT	<5	<2	100		BH108-25_2.5-3.0: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN
75.2	3			75.18							
			Borehole terminated @ 3 mbgs due to target depth achieved.	3.05							
74.7	3.5										
74.2	4										
73.7	4.5										
73.2	5										
72.7	5.5										
72.2	6										
71.7	6.5										
71.2	7										
70.7											

Logged By: NS **Input By:** JB

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

CAMBIUM

Client:	Queensway Carleton Hospital	**Project Name:**	Phase Two Environmental Site Assessment	**Log of Borehole:**	BH109-25
Contractor:	Strata Drilling Group	**Method:**	Geoprobe 420M	**Page:**	1 of 1
Project No.:	23906-001	**Elevation:**	78.84 mASL	**Date Completed:**	October 6, 2025
Location:	3045 Baseline Road, Ottawa ON	**UTM:**	18T **N:** 5020475.32 **E:** 436806.27		

SUBSURFACE PROFILE				SAMPLE						
Elevation (m)	Depth	Stratigraphy	Description	Elevation / Depth	Number	Type	CSV (ppm)	OV (ppm)	% Recovery	Well Installation	Log Notes
78.8	0		**TOPSOIL:**	78.74							
			(SW) gravelly SAND: Brown, moist, no staining, no odour	0.10	1	DT	<5	<2	80		BH109-25_0-0.5: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN
78.3	0.5		- some clay, moist to wet	78.23							
			(SC) CLAYEY SAND: Black-grey, trace gravel, some orange mottling, moist to wet, no staining, slight organic/sewage odour	0.61							
77.8	1				2	DT	<5	<2	75		
			- black in colour, slight organic/sewage odour								
77.3	1.5										
			- more sand, wet								
76.8	2				3	DT	<5	<2	100		
			- black in colour, no gravel, dense, moist, slight organic/sewage odour								
76.3	2.5				4	DT	<5	<2	100		BH109-25_2.5-3.0: VOCs, BTEX, PHCs, PAHs, Metals, Hydride-Forming Metals, Hg, CrVI, B (HWS), pH, EC, SAR, CN
75.8	3			75.79							
			Borehole terminated @ 3 mbgs due to target depth achieved.	3.05							
75.3	3.5										
74.8	4										
74.3	4.5										
73.8	5										
73.3	5.5										
72.8	6										
72.3	6.5										
71.8	7										
71.3											

Logged By: NS **Input By:** JB

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

Appendix C

Laboratory Certificates of Analysis

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

PARACEL LABORATORIES LTD.

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Certificate of Analysis

Cambium Inc. (Ottawa)
102-343 Preston Street
Ottawa, ON K7K 7G3
Attn: Sheila Barter

Report Date: 15-Oct-2025
Order Date: 8-Oct-2025

Order #: 2541339

Client PO:
Project: 23906-001
Custody: 149203/149204

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID	Paracel ID	Client ID
2541339-01	BH101-25_2.5-3.0	2541339-17	BH109-25_0.0-0.5
2541339-02	BH101-25_3.0-3.5	2541339-18	BH109-25_2.5-3.0
2541339-03	BH102-25_0.3-0.9	2541339-19	QA/QC
2541339-04	BH102-25_4.5-5.0		
2541339-05	BH103-25_0.3-0.8		
2541339-06	BH103-25_3.5-4.0		
2541339-07	BH104-25_0.6-1.2		
2541339-08	BH104-25_2.5-3.0		
2541339-09	BH105-25_0.0-0.5		
2541339-10	BH105-25_2.5-3.0		
2541339-11	BH106-25_0.0-0.5		
2541339-12	BH106-25_1.5-2.0		
2541339-13	BH107-25_0.6-1.2		
2541339-14	BH107-25_1.2-1.6		
2541339-15	BH108-25_0.0-0.5		
2541339-16	BH108-25_2.5-3.0		

Approved By: Mark Foto

Mark Foto, M.Sc.
Laboratory Director

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Boron, available	MOE (HWE), EPA 200.8 - ICP-MS	10-Oct-25	10-Oct-25
Chromium, hexavalent - soil	MOE E3056 - Extraction, colourimetric	9-Oct-25	10-Oct-25
Conductivity	MOE E3138 - probe @25 °C, water ext	10-Oct-25	10-Oct-25
Cyanide, free	MOE E3015 - Auto Colour, water extraction	14-Oct-25	14-Oct-25
Mercury by CVAA	EPA 7471B - CVAA, digestion	14-Oct-25	14-Oct-25
pH, soil	MOE E3137 - probe @25 °C, CaCl2 ext	9-Oct-25	9-Oct-25
PHC F1	CWS Tier 1 - P&T GC-FID	9-Oct-25	9-Oct-25
PHC F4G (gravimetric)	CWS Tier 1 - Extraction Gravimetric	14-Oct-25	14-Oct-25
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	9-Oct-25	10-Oct-25
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	10-Oct-25	10-Oct-25
REG 153: PAHs by GC-MS	EPA 8270 - GC-MS, extraction	9-Oct-25	11-Oct-25
REG 153: VOCs by P&T GC/MS	EPA 8260 - P&T GC-MS	9-Oct-25	9-Oct-25
SAR	Calculated	10-Oct-25	10-Oct-25
Solids, %	CWS Tier 1 - Gravimetric	9-Oct-25	10-Oct-25

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

Summary of Criteria Exceedances

(If this page is blank then there are no exceedances)

Only those criteria that a sample exceeds will be highlighted in red

Regulatory Comparison:

Paracel Laboratories has provided regulatory guidelines on this report for informational purposes only and makes no representations or warranties that the data is accurate or reflects the current regulatory values. The user is advised to consult with the appropriate official regulations to evaluate compliance. Sample results that are highlighted have exceeded the selected regulatory limit. Calculated uncertainty estimations have not been applied for determining regulatory exceedances.

Sample	Analyte	MDL / Units	Result	Reg 153/04 -T3 Res/Park, coarse	-
BH101-25_2.5-3.0	Conductivity	5 uS/cm	1070	0.7 mS/cm	-
BH103-25_0.3-0.8	SAR	0.01 N/A	21.9	5 N/A	-
BH103-25_0.3-0.8	Conductivity	5 uS/cm	2030	0.7 mS/cm	-
BH103-25_3.5-4.0	SAR	0.01 N/A	7.17	5 N/A	-
BH103-25_3.5-4.0	Conductivity	5 uS/cm	924	0.7 mS/cm	-
BH104-25_0.6-1.2	pH	0.05 pH Units	10.36	5.00 - 9.00 pH Units	-
BH106-25_1.5-2.0	SAR	0.01 N/A	5.63	5 N/A	-
BH107-25_0.6-1.2	SAR	0.01 N/A	26.0	5 N/A	-
BH107-25_0.6-1.2	Conductivity	5 uS/cm	2450	0.7 mS/cm	-
BH107-25_1.2-1.6	SAR	0.01 N/A	11.1	5 N/A	-
BH107-25_1.2-1.6	Conductivity	5 uS/cm	1780	0.7 mS/cm	-
BH108-25_0.0-0.5	Conductivity	5 uS/cm	865	0.7 mS/cm	-
BH108-25_2.5-3.0	SAR	0.01 N/A	29.7	5 N/A	-
BH108-25_2.5-3.0	Conductivity	5 uS/cm	5760	0.7 mS/cm	-
BH108-25_2.5-3.0	Vanadium	10.0 ug/g	92.3	86 ug/g	-
BH109-25_0.0-0.5	Conductivity	5 uS/cm	820	0.7 mS/cm	-
BH109-25_2.5-3.0	SAR	0.01 N/A	43.1	5 N/A	-
BH109-25_2.5-3.0	Conductivity	5 uS/cm	5640	0.7 mS/cm	-
QA/QC	Conductivity	5 uS/cm	1120	0.7 mS/cm	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH101-25_2.5-3.0	BH101-25_3.0-3.5	BH102-25_0.3-0.9	BH102-25_4.5-5.0	**Criteria:**	
	Sample Date:	07-Oct-25 14:20	07-Oct-25 14:40	07-Oct-25 16:10	07-Oct-25 16:20	**Reg 153/04 -T3**	-
	Sample ID:	2541339-01	2541339-02	2541339-03	2541339-04	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	68.2	74.8	92.2	82.3	-	-
General Inorganics							
SAR	0.01 N/A	1.33	1.10	0.31	2.29	5 N/A	-
Conductivity	5 uS/cm	1070	652	313	474	0.7 mS/cm	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	0.051 ug/g	-
pH	0.05 pH Units	7.74	7.78	7.62	7.69	5.00 - 9.00 pH Units	-
Metals							
Antimony	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	7.5 ug/g	-
Arsenic	1.0 ug/g	2.5	2.4	2.2	2.6	18 ug/g	-
Barium	1.0 ug/g	256	242	116	201	390 ug/g	-
Beryllium	0.5 ug/g	0.6	0.6	<0.5	0.6	4 ug/g	-
Boron, available	0.5 ug/g	-	<0.5	<0.5	-	1.5 ug/g	-
Boron	5.0 ug/g	<5.0	6.4	8.7	6.7	120 ug/g	-
Cadmium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	1.2 ug/g	-
Chromium	5.0 ug/g	50.5	48.2	26.5	43.5	160 ug/g	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	<0.2	8 ug/g	-
Cobalt	1.0 ug/g	13.4	12.8	7.9	12.4	22 ug/g	-
Copper	5.0 ug/g	27.6	27.3	17.9	24.6	140 ug/g	-
Lead	1.0 ug/g	4.9	5.5	9.5	7.4	120 ug/g	-
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	0.27 ug/g	-
Molybdenum	1.0 ug/g	1.0	1.4	<1.0	1.5	6.9 ug/g	-
Nickel	5.0 ug/g	28.9	27.3	16.2	24.0	100 ug/g	-
Selenium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	2.4 ug/g	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	20 ug/g	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1 ug/g	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH101-25_2.5-3.0	BH101-25_3.0-3.5	BH102-25_0.3-0.9	BH102-25_4.5-5.0	**Criteria:**	
	Sample Date:	07-Oct-25 14:20	07-Oct-25 14:40	07-Oct-25 16:10	07-Oct-25 16:20	**Reg 153/04 -T3**	-
	Sample ID:	2541339-01	2541339-02	2541339-03	2541339-04	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Metals							
Uranium	1.0 ug/g	<1.0	1.2	<1.0	<1.0	23 ug/g	-
Vanadium	10.0 ug/g	70.3	61.6	33.5	55.6	86 ug/g	-
Zinc	20.0 ug/g	77.8	74.4	50.9	60.4	340 ug/g	-
Volatiles							
Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	16 ug/g	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.21 ug/g	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	13 ug/g	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.27 ug/g	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2.4 ug/g	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	9.4 ug/g	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	16 ug/g	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.4 ug/g	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	4.8 ug/g	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.083 ug/g	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.5 ug/g	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.4 ug/g	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.084 ug/g	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH101-25_2.5-3.0	BH101-25_3.0-3.5	BH102-25_0.3-0.9	BH102-25_4.5-5.0	**Criteria:**	
	Sample Date:	07-Oct-25 14:20	07-Oct-25 14:40	07-Oct-25 16:10	07-Oct-25 16:20	**Reg 153/04 -T3**	-
	Sample ID:	2541339-01	2541339-02	2541339-03	2541339-04	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Volatiles							
1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2 ug/g	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2.8 ug/g	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	16 ug/g	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	1.7 ug/g	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.75 ug/g	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.1 ug/g	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.7 ug/g	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.058 ug/g	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.28 ug/g	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2.3 ug/g	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.38 ug/g	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.061 ug/g	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	4 ug/g	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	-
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.1 ug/g	-
Toluene-d8	Surrogate	98.5%	96.7%	85.1%	94.6%	-	-
4-Bromofluorobenzene	Surrogate	134%	128%	114%	120%	-	-
Dibromofluoromethane	Surrogate	140%	138%	117%	124%	-	-
Hydrocarbons							

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH101-25_2.5-3.0	BH101-25_3.0-3.5	BH102-25_0.3-0.9	BH102-25_4.5-5.0	**Criteria:**	
	Sample Date:	07-Oct-25 14:20	07-Oct-25 14:40	07-Oct-25 16:10	07-Oct-25 16:20	**Reg 153/04 -T3**	-
	Sample ID:	2541339-01	2541339-02	2541339-03	2541339-04	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Hydrocarbons							
F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	<7	55 ug/g	-
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	<4	98 ug/g	-
F3 PHCs (C16-C34)	8 ug/g	<8	<8	21	13	300 ug/g	-
F4 PHCs (C34-C50)	6 ug/g	<6	<6	20	22	2800 ug/g	-
Semi-Volatiles							
Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	7.9 ug/g	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.15 ug/g	-
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.67 ug/g	-
Benzo [a] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.5 ug/g	-
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.3 ug/g	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.78 ug/g	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	6.6 ug/g	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.78 ug/g	-
Chrysene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	7 ug/g	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.1 ug/g	-
Fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.69 ug/g	-
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	62 ug/g	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.38 ug/g	-
1-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.99 ug/g	-
2-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.99 ug/g	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	<0.04	<0.04	<0.04	0.99 ug/g	-
Naphthalene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.6 ug/g	-
Phenanthrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	6.2 ug/g	-
Pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	78 ug/g	-
2-Fluorobiphenyl	Surrogate	59.3%	57.3%	66.8%	62.5%	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH101-25_2.5-3.0	BH101-25_3.0-3.5	BH102-25_0.3-0.9	BH102-25_4.5-5.0	**Criteria:**	
	Sample Date:	07-Oct-25 14:20	07-Oct-25 14:40	07-Oct-25 16:10	07-Oct-25 16:20	**Reg 153/04 -T3**	**-**
	Sample ID:	2541339-01	2541339-02	2541339-03	2541339-04	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Semi-Volatiles							
Terphenyl-d14	Surrogate	79.7%	81.6%	70.6%	82.2%	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH103-25_0.3-0.8	BH103-25_3.5-4.0	BH104-25_0.6-1.2	BH104-25_2.5-3.0	**Criteria:**	
	Sample Date:	07-Oct-25 10:30	07-Oct-25 10:40	06-Oct-25 09:30	06-Oct-25 09:46	**Reg 153/04 -T3**	-
	Sample ID:	2541339-05	2541339-06	2541339-07	2541339-08	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	81.4	81.0	96.1	85.5	-	-
General Inorganics							
SAR	0.01 N/A	21.9	7.17	0.14	0.62	5 N/A	-
Conductivity	5 uS/cm	2030	924	265	179	0.7 mS/cm	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	0.051 ug/g	-
pH	0.05 pH Units	7.53	7.87	10.36	7.96	5.00 - 9.00 pH Units	-
Metals							
Antimony	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	7.5 ug/g	-
Arsenic	1.0 ug/g	2.2	1.3	1.9	<1.0	18 ug/g	-
Barium	1.0 ug/g	93.1	33.8	53.9	27.2	390 ug/g	-
Beryllium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	4 ug/g	-
Boron	5.0 ug/g	<5.0	<5.0	5.2	<5.0	120 ug/g	-
Boron, available	0.5 ug/g	0.5	-	<0.5	-	1.5 ug/g	-
Cadmium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	1.2 ug/g	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	<0.2	8 ug/g	-
Chromium	5.0 ug/g	27.2	8.3	17.9	8.7	160 ug/g	-
Cobalt	1.0 ug/g	7.1	3.8	5.0	2.9	22 ug/g	-
Copper	5.0 ug/g	9.2	8.8	12.2	8.2	140 ug/g	-
Lead	1.0 ug/g	11.1	1.7	4.5	1.2	120 ug/g	-
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	0.27 ug/g	-
Molybdenum	1.0 ug/g	<1.0	<1.0	1.5	<1.0	6.9 ug/g	-
Nickel	5.0 ug/g	13.8	5.2	9.9	<5.0	100 ug/g	-
Selenium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	2.4 ug/g	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	20 ug/g	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1 ug/g	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH103-25_0.3-0.8	BH103-25_3.5-4.0	BH104-25_0.6-1.2	BH104-25_2.5-3.0	**Criteria:**	
	Sample Date:	07-Oct-25 10:30	07-Oct-25 10:40	06-Oct-25 09:30	06-Oct-25 09:46	**Reg 153/04 -T3**	-
	Sample ID:	2541339-05	2541339-06	2541339-07	2541339-08	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Metals							
Uranium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	23 ug/g	-
Vanadium	10.0 ug/g	36.4	21.1	27.9	19.5	86 ug/g	-
Zinc	20.0 ug/g	57.3	<20.0	29.7	<20.0	340 ug/g	-
Volatiles							
Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	16 ug/g	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.21 ug/g	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	13 ug/g	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.27 ug/g	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2.4 ug/g	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	9.4 ug/g	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	16 ug/g	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.4 ug/g	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	4.8 ug/g	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.083 ug/g	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.5 ug/g	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.4 ug/g	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.084 ug/g	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH103-25_0.3-0.8	BH103-25_3.5-4.0	BH104-25_0.6-1.2	BH104-25_2.5-3.0	**Criteria:**	
	Sample Date:	07-Oct-25 10:30	07-Oct-25 10:40	06-Oct-25 09:30	06-Oct-25 09:46	**Reg 153/04 -T3**	-
	Sample ID:	2541339-05	2541339-06	2541339-07	2541339-08	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Volatiles							
1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2 ug/g	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2.8 ug/g	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	16 ug/g	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	1.7 ug/g	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.75 ug/g	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.1 ug/g	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.7 ug/g	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.058 ug/g	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.28 ug/g	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2.3 ug/g	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.38 ug/g	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.061 ug/g	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	4 ug/g	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	-
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.1 ug/g	-
Dibromofluoromethane	Surrogate	125%	117%	108%	116%	-	-
Toluene-d8	Surrogate	93.8%	93.5%	84.7%	90.1%	-	-
4-Bromofluorobenzene	Surrogate	116%	122%	107%	112%	-	-
Hydrocarbons							

PARACEL LABORATORIES LTD.

Order #: 2541339

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Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH103-25_0.3-0.8	BH103-25_3.5-4.0	BH104-25_0.6-1.2	BH104-25_2.5-3.0	**Criteria:**	
	Sample Date:	07-Oct-25 10:30	07-Oct-25 10:40	06-Oct-25 09:30	06-Oct-25 09:46	**Reg 153/04 -T3**	-
	Sample ID:	2541339-05	2541339-06	2541339-07	2541339-08	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Hydrocarbons							
F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	<7	55 ug/g	-
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	<4	98 ug/g	-
F3 PHCs (C16-C34)	8 ug/g	<8	<8	179	<8	300 ug/g	-
F4 PHCs (C34-C50)	6 ug/g	<6	<6	352 [2]	<6	2800 ug/g	-
F4G PHCs (gravimetric)	50 ug/g	-	-	1460	-	2800 ug/g	-
Semi-Volatiles							
Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	7.9 ug/g	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.15 ug/g	-
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.67 ug/g	-
Benzo [a] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.5 ug/g	-
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.3 ug/g	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.78 ug/g	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	6.6 ug/g	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.78 ug/g	-
Chrysene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	7 ug/g	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.1 ug/g	-
Fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.69 ug/g	-
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	62 ug/g	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.38 ug/g	-
1-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.99 ug/g	-
2-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.99 ug/g	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	<0.04	<0.04	<0.04	0.99 ug/g	-
Naphthalene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.6 ug/g	-
Phenanthrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	6.2 ug/g	-
Pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	78 ug/g	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH103-25_0.3-0.8	BH103-25_3.5-4.0	BH104-25_0.6-1.2	BH104-25_2.5-3.0	**Criteria:**	
	Sample Date:	07-Oct-25 10:30	07-Oct-25 10:40	06-Oct-25 09:30	06-Oct-25 09:46	**Reg 153/04 -T3**	**-**
	Sample ID:	2541339-05	2541339-06	2541339-07	2541339-08	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Semi-Volatiles							
2-Fluorobiphenyl	Surrogate	67.5%	74.8%	81.2%	67.0%	-	-
Terphenyl-d14	Surrogate	79.6%	86.8%	81.5%	78.4%	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH105-25_0.0-0.5	BH105-25_2.5-3.0	BH106-25_0.0-0.5	BH106-25_1.5-2.0	**Criteria:**	
	Sample Date:	06-Oct-25 13:20	06-Oct-25 13:25	06-Oct-25 11:35	06-Oct-25 11:30	**Reg 153/04 -T3**	-
	Sample ID:	2541339-09	2541339-10	2541339-11	2541339-12	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	96.5	70.6	94.5	84.6	-	-
General Inorganics							
SAR	0.01 N/A	0.13	1.80	0.20	5.63	5 N/A	-
Conductivity	5 uS/cm	162	309	195	540	0.7 mS/cm	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	0.051 ug/g	-
pH	0.05 pH Units	7.58	7.62	7.67	8.05	5.00 - 9.00 pH Units	-
Metals							
Antimony	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	7.5 ug/g	-
Arsenic	1.0 ug/g	1.4	1.9	2.6	1.2	18 ug/g	-
Barium	1.0 ug/g	57.0	236	154	20.9	390 ug/g	-
Beryllium	0.5 ug/g	<0.5	0.6	<0.5	<0.5	4 ug/g	-
Boron, available	0.5 ug/g	<0.5	-	<0.5	-	1.5 ug/g	-
Boron	5.0 ug/g	<5.0	<5.0	9.0	<5.0	120 ug/g	-
Cadmium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	1.2 ug/g	-
Chromium (VI)	0.2 ug/g	<0.2	0.4	<0.2	<0.2	8 ug/g	-
Chromium	5.0 ug/g	13.9	52.4	20.8	10.3	160 ug/g	-
Cobalt	1.0 ug/g	4.9	13.6	6.4	3.6	22 ug/g	-
Copper	5.0 ug/g	10.2	25.7	14.7	7.1	140 ug/g	-
Lead	1.0 ug/g	3.5	4.7	8.6	1.9	120 ug/g	-
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	0.27 ug/g	-
Molybdenum	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	6.9 ug/g	-
Nickel	5.0 ug/g	8.9	29.2	12.3	5.5	100 ug/g	-
Selenium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	2.4 ug/g	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	20 ug/g	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1 ug/g	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH105-25_0.0-0.5	BH105-25_2.5-3.0	BH106-25_0.0-0.5	BH106-25_1.5-2.0	**Criteria:**	
	Sample Date:	06-Oct-25 13:20	06-Oct-25 13:25	06-Oct-25 11:35	06-Oct-25 11:30	**Reg 153/04 -T3**	-
	Sample ID:	2541339-09	2541339-10	2541339-11	2541339-12	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Metals							
Uranium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	23 ug/g	-
Vanadium	10.0 ug/g	24.3	68.3	36.4	23.1	86 ug/g	-
Zinc	20.0 ug/g	21.0	77.4	42.2	<20.0	340 ug/g	-
Volatiles							
Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	16 ug/g	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.21 ug/g	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	13 ug/g	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.27 ug/g	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2.4 ug/g	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	9.4 ug/g	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	16 ug/g	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.4 ug/g	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	4.8 ug/g	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.083 ug/g	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.5 ug/g	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.4 ug/g	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.084 ug/g	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH105-25_0.0-0.5	BH105-25_2.5-3.0	BH106-25_0.0-0.5	BH106-25_1.5-2.0	**Criteria:**	
	Sample Date:	06-Oct-25 13:20	06-Oct-25 13:25	06-Oct-25 11:35	06-Oct-25 11:30	**Reg 153/04 -T3**	-
	Sample ID:	2541339-09	2541339-10	2541339-11	2541339-12	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Volatiles							
1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2 ug/g	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2.8 ug/g	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	16 ug/g	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	1.7 ug/g	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.75 ug/g	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.1 ug/g	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.7 ug/g	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.058 ug/g	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.28 ug/g	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2.3 ug/g	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.38 ug/g	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.061 ug/g	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	4 ug/g	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	-
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.1 ug/g	-
Dibromofluoromethane	Surrogate	106%	122%	116%	115%	-	-
Toluene-d8	Surrogate	83.6%	97.1%	84.9%	90.7%	-	-
4-Bromofluorobenzene	Surrogate	106%	123%	107%	117%	-	-
Hydrocarbons							

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH105-25_0.0-0.5	BH105-25_2.5-3.0	BH106-25_0.0-0.5	BH106-25_1.5-2.0	**Criteria:**	
	Sample Date:	06-Oct-25 13:20	06-Oct-25 13:25	06-Oct-25 11:35	06-Oct-25 11:30	**Reg 153/04 -T3**	-
	Sample ID:	2541339-09	2541339-10	2541339-11	2541339-12	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Hydrocarbons							
F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	<7	55 ug/g	-
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	<4	98 ug/g	-
F3 PHCs (C16-C34)	8 ug/g	21	<8	79	<8	300 ug/g	-
F4 PHCs (C34-C50)	6 ug/g	77	<6	309 [2]	<6	2800 ug/g	-
F4G PHCs (gravimetric)	50 ug/g	-	-	593	-	2800 ug/g	-
Semi-Volatiles							
Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	7.9 ug/g	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.15 ug/g	-
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.67 ug/g	-
Benzo [a] anthracene	0.02 ug/g	<0.02	<0.02	0.03	<0.02	0.5 ug/g	-
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	0.04	<0.02	0.3 ug/g	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	0.05	<0.02	0.78 ug/g	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	0.05	<0.02	6.6 ug/g	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	0.03	<0.02	0.78 ug/g	-
Chrysene	0.02 ug/g	<0.02	<0.02	0.04	<0.02	7 ug/g	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.1 ug/g	-
Fluoranthene	0.02 ug/g	<0.02	<0.02	0.10	<0.02	0.69 ug/g	-
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	62 ug/g	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	<0.02	0.04	<0.02	0.38 ug/g	-
1-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.99 ug/g	-
2-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.99 ug/g	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	<0.04	<0.04	<0.04	0.99 ug/g	-
Naphthalene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.6 ug/g	-
Phenanthrene	0.02 ug/g	<0.02	<0.02	0.04	<0.02	6.2 ug/g	-
Pyrene	0.02 ug/g	<0.02	<0.02	0.07	<0.02	78 ug/g	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH105-25_0.0-0.5	BH105-25_2.5-3.0	BH106-25_0.0-0.5	BH106-25_1.5-2.0	**Criteria:**	
	Sample Date:	06-Oct-25 13:20	06-Oct-25 13:25	06-Oct-25 11:35	06-Oct-25 11:30	**Reg 153/04 -T3**	-
	Sample ID:	2541339-09	2541339-10	2541339-11	2541339-12	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Semi-Volatiles							
2-Fluorobiphenyl	Surrogate	86.2%	62.3%	68.8%	61.8%	-	-
Terphenyl-d14	Surrogate	85.5%	81.7%	73.2%	63.0%	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH107-25_0.6-1.2	BH107-25_1.2-1.6	BH108-25_0.0-0.5	BH108-25_2.5-3.0	**Criteria:**	
	Sample Date:	06-Oct-25 10:30	06-Oct-25 10:40	06-Oct-25 12:30	06-Oct-25 12:35	**Reg 153/04 -T3**	-
	Sample ID:	2541339-13	2541339-14	2541339-15	2541339-16	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	95.4	90.7	84.6	68.2	-	-
General Inorganics							
SAR	0.01 N/A	26.0	11.1	4.75	29.7	5 N/A	-
Conductivity	5 uS/cm	2450	1780	865	5760	0.7 mS/cm	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	0.051 ug/g	-
pH	0.05 pH Units	8.08	8.23	7.79	7.89	5.00 - 9.00 pH Units	-
Metals							
Antimony	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	7.5 ug/g	-
Arsenic	1.0 ug/g	1.5	2.1	2.2	3.0	18 ug/g	-
Barium	1.0 ug/g	28.0	69.4	164	304	390 ug/g	-
Beryllium	0.5 ug/g	<0.5	<0.5	<0.5	0.8	4 ug/g	-
Boron, available	0.5 ug/g	<0.5	<0.5	<0.5	-	1.5 ug/g	-
Boron	5.0 ug/g	<5.0	6.3	8.8	<5.0	120 ug/g	-
Cadmium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	1.2 ug/g	-
Chromium	5.0 ug/g	14.2	21.5	27.5	71.7	160 ug/g	-
Chromium (VI)	0.2 ug/g	0.3	<0.2	<0.2	0.7	8 ug/g	-
Cobalt	1.0 ug/g	3.9	6.1	8.5	17.5	22 ug/g	-
Copper	5.0 ug/g	8.8	13.3	16.7	35.9	140 ug/g	-
Lead	1.0 ug/g	2.5	4.3	7.9	5.8	120 ug/g	-
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	0.27 ug/g	-
Molybdenum	1.0 ug/g	1.4	1.7	<1.0	<1.0	6.9 ug/g	-
Nickel	5.0 ug/g	6.4	11.4	16.9	37.9	100 ug/g	-
Selenium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	2.4 ug/g	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	20 ug/g	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	1 ug/g	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH107-25_0.6-1.2	BH107-25_1.2-1.6	BH108-25_0.0-0.5	BH108-25_2.5-3.0	**Criteria:**	
	Sample Date:	06-Oct-25 10:30	06-Oct-25 10:40	06-Oct-25 12:30	06-Oct-25 12:35	**Reg 153/04 -T3**	-
	Sample ID:	2541339-13	2541339-14	2541339-15	2541339-16	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Metals							
Uranium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	23 ug/g	-
Vanadium	10.0 ug/g	29.3	29.1	37.6	92.3	86 ug/g	-
Zinc	20.0 ug/g	<20.0	23.1	49.1	104	340 ug/g	-
Volatiles							
Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	16 ug/g	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.21 ug/g	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	13 ug/g	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.27 ug/g	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2.4 ug/g	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	9.4 ug/g	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	16 ug/g	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.4 ug/g	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	4.8 ug/g	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.083 ug/g	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.5 ug/g	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.4 ug/g	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.084 ug/g	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH107-25_0.6-1.2	BH107-25_1.2-1.6	BH108-25_0.0-0.5	BH108-25_2.5-3.0	**Criteria:**	
	Sample Date:	06-Oct-25 10:30	06-Oct-25 10:40	06-Oct-25 12:30	06-Oct-25 12:35	**Reg 153/04 -T3**	-
	Sample ID:	2541339-13	2541339-14	2541339-15	2541339-16	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Volatiles							
1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2 ug/g	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2.8 ug/g	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	16 ug/g	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	1.7 ug/g	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.75 ug/g	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.1 ug/g	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.7 ug/g	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.058 ug/g	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.28 ug/g	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	2.3 ug/g	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.38 ug/g	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.05 ug/g	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	0.061 ug/g	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	4 ug/g	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.02 ug/g	-
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	3.1 ug/g	-
Dibromofluoromethane	Surrogate	110%	113%	130%	130%	-	-
4-Bromofluorobenzene	Surrogate	109%	113%	112%	122%	-	-
Toluene-d8	Surrogate	84.7%	87.7%	90.4%	96.0%	-	-
Hydrocarbons							

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH107-25_0.6-1.2	BH107-25_1.2-1.6	BH108-25_0.0-0.5	BH108-25_2.5-3.0	**Criteria:**	
	Sample Date:	06-Oct-25 10:30	06-Oct-25 10:40	06-Oct-25 12:30	06-Oct-25 12:35	**Reg 153/04 -T3**	-
	Sample ID:	2541339-13	2541339-14	2541339-15	2541339-16	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Hydrocarbons							
F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	<7	55 ug/g	-
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	<4	98 ug/g	-
F3 PHCs (C16-C34)	8 ug/g	<8	17	<8	<8	300 ug/g	-
F4 PHCs (C34-C50)	6 ug/g	<6	<6	<6	<6	2800 ug/g	-
Semi-Volatiles							
Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	7.9 ug/g	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.15 ug/g	-
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.67 ug/g	-
Benzo [a] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.5 ug/g	-
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.3 ug/g	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.78 ug/g	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	6.6 ug/g	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.78 ug/g	-
Chrysene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	7 ug/g	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.1 ug/g	-
Fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.69 ug/g	-
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	62 ug/g	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.38 ug/g	-
1-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.99 ug/g	-
2-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	0.99 ug/g	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	<0.04	<0.04	<0.04	0.99 ug/g	-
Naphthalene	0.01 ug/g	<0.01	<0.01	<0.01	<0.01	0.6 ug/g	-
Phenanthrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	6.2 ug/g	-
Pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	78 ug/g	-
2-Fluorobiphenyl	Surrogate	68.2%	79.6%	74.4%	67.9%	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH107-25_0.6-1.2	BH107-25_1.2-1.6	BH108-25_0.0-0.5	BH108-25_2.5-3.0	**Criteria:**	
	Sample Date:	06-Oct-25 10:30	06-Oct-25 10:40	06-Oct-25 12:30	06-Oct-25 12:35	**Reg 153/04 -T3**	-
	Sample ID:	2541339-13	2541339-14	2541339-15	2541339-16	**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Semi-Volatiles							
Terphenyl-d14	Surrogate	75.7%	88.7%	91.8%	78.2%	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH109-25_0.0-0.5	BH109-25_2.5-3.0	QA/QC		**Criteria:**	
	Sample Date:	06-Oct-25 14:40	06-Oct-25 14:45	07-Oct-25 00:00		**Reg 153/04 -T3**	-
	Sample ID:	2541339-17	2541339-18	2541339-19		**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil			
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	93.3	79.6	74.4	-	-	-
General Inorganics							
SAR	0.01 N/A	4.40	43.1	0.99	-	5 N/A	-
Conductivity	5 uS/cm	820	5640	1120	-	0.7 mS/cm	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	-	0.051 ug/g	-
pH	0.05 pH Units	8.00	7.79	7.73	-	5.00 - 9.00 pH Units	-
Metals							
Antimony	1.0 ug/g	<1.0	<1.0	<1.0	-	7.5 ug/g	-
Arsenic	1.0 ug/g	1.6	1.9	1.8	-	18 ug/g	-
Barium	1.0 ug/g	125	212	235	-	390 ug/g	-
Beryllium	0.5 ug/g	<0.5	0.6	0.5	-	4 ug/g	-
Boron, available	0.5 ug/g	<0.5	-	<0.5	-	1.5 ug/g	-
Boron	5.0 ug/g	6.9	<5.0	<5.0	-	120 ug/g	-
Cadmium	0.5 ug/g	<0.5	<0.5	<0.5	-	1.2 ug/g	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	0.3	-	8 ug/g	-
Chromium	5.0 ug/g	16.1	45.7	47.2	-	160 ug/g	-
Cobalt	1.0 ug/g	4.4	11.4	12.6	-	22 ug/g	-
Copper	5.0 ug/g	9.7	21.2	24.9	-	140 ug/g	-
Lead	1.0 ug/g	5.2	5.2	4.2	-	120 ug/g	-
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	-	0.27 ug/g	-
Molybdenum	1.0 ug/g	<1.0	<1.0	<1.0	-	6.9 ug/g	-
Nickel	5.0 ug/g	9.0	25.0	25.8	-	100 ug/g	-
Selenium	1.0 ug/g	<1.0	<1.0	<1.0	-	2.4 ug/g	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	-	20 ug/g	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	-	1 ug/g	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH109-25_0.0-0.5	BH109-25_2.5-3.0	QA/QC		**Criteria:**	
	Sample Date:	06-Oct-25 14:40	06-Oct-25 14:45	07-Oct-25 00:00		**Reg 153/04 -T3**	-
	Sample ID:	2541339-17	2541339-18	2541339-19		**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil			
	MDL/Units						
Metals							
Uranium	1.0 ug/g	<1.0	<1.0	<1.0	-	23 ug/g	-
Vanadium	10.0 ug/g	20.1	60.0	68.4	-	86 ug/g	-
Zinc	20.0 ug/g	21.7	67.4	69.4	-	340 ug/g	-
Volatiles							
Acetone	0.50 ug/g	<0.50	<0.50	<0.50	-	16 ug/g	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.21 ug/g	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	13 ug/g	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	-	0.27 ug/g	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	2.4 ug/g	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	9.4 ug/g	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	16 ug/g	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	3.4 ug/g	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	4.8 ug/g	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.083 ug/g	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	3.5 ug/g	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	3.4 ug/g	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.084 ug/g	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH109-25_0.0-0.5	BH109-25_2.5-3.0	QA/QC		**Criteria:**	
	Sample Date:	06-Oct-25 14:40	06-Oct-25 14:45	07-Oct-25 00:00		**Reg 153/04 -T3**	-
	Sample ID:	2541339-17	2541339-18	2541339-19		**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil			
	MDL/Units						
Volatiles							
1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	2 ug/g	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	-	2.8 ug/g	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	-	16 ug/g	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	-	1.7 ug/g	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	-	0.75 ug/g	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	-	0.1 ug/g	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.7 ug/g	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.058 ug/g	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.28 ug/g	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	-	2.3 ug/g	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.38 ug/g	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	0.05 ug/g	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	0.061 ug/g	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	4 ug/g	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	-	0.02 ug/g	-
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	<0.05	-	3.1 ug/g	-
Toluene-d8	Surrogate	87.0%	94.2%	96.1%	-	-	-
4-Bromofluorobenzene	Surrogate	112%	122%	124%	-	-	-
Dibromofluoromethane	Surrogate	113%	122%	135%	-	-	-
Hydrocarbons							

PARACEL LABORATORIES LTD.

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Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH109-25_0.0-0.5	BH109-25_2.5-3.0	QA/QC		**Criteria:**	
	Sample Date:	06-Oct-25 14:40	06-Oct-25 14:45	07-Oct-25 00:00		**Reg 153/04 -T3**	**-**
	Sample ID:	2541339-17	2541339-18	2541339-19		**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil			
	MDL/Units						
Hydrocarbons							
F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	-	55 ug/g	-
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	-	98 ug/g	-
F3 PHCs (C16-C34)	8 ug/g	21	<8	<8	-	300 ug/g	-
F4 PHCs (C34-C50)	6 ug/g	<6	<6	<6	-	2800 ug/g	-
Semi-Volatiles							
Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	-	7.9 ug/g	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.15 ug/g	-
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.67 ug/g	-
Benzo [a] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.5 ug/g	-
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.3 ug/g	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.78 ug/g	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	<0.02	-	6.6 ug/g	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.78 ug/g	-
Chrysene	0.02 ug/g	<0.02	<0.02	<0.02	-	7 ug/g	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.1 ug/g	-
Fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.69 ug/g	-
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	-	62 ug/g	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.38 ug/g	-
1-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.99 ug/g	-
2-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	<0.02	-	0.99 ug/g	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	<0.04	<0.04	-	0.99 ug/g	-
Naphthalene	0.01 ug/g	<0.01	<0.01	<0.01	-	0.6 ug/g	-
Phenanthrene	0.02 ug/g	<0.02	<0.02	<0.02	-	6.2 ug/g	-
Pyrene	0.02 ug/g	<0.02	<0.02	<0.02	-	78 ug/g	-
2-Fluorobiphenyl	Surrogate	76.1%	66.8%	69.3%	-	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH109-25_0.0-0.5	BH109-25_2.5-3.0	QA/QC		**Criteria:**	
	Sample Date:	06-Oct-25 14:40	06-Oct-25 14:45	07-Oct-25 00:00		**Reg 153/04 -T3**	**-**
	Sample ID:	2541339-17	2541339-18	2541339-19		**Res/Park, coarse**	
	Matrix:	Soil	Soil	Soil			
	MDL/Units						
Semi-Volatiles							
Terphenyl-d14	Surrogate	97.0%	85.9%	95.0%	-	-	-

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics								
Conductivity	ND	5	uS/cm					
Cyanide, free	ND	0.03	ug/g					
Hydrocarbons								
F4G PHCs (gravimetric)	ND	50	ug/g					
F1 PHCs (C6-C10)	ND	7	ug/g					
F2 PHCs (C10-C16)	ND	4	ug/g					
F3 PHCs (C16-C34)	ND	8	ug/g					
F4 PHCs (C34-C50)	ND	6	ug/g					
Metals								
Boron, available	ND	0.5	ug/g					
Chromium (VI)	ND	0.2	ug/g					
Mercury	ND	0.1	ug/g					
Antimony	ND	1.0	ug/g					
Arsenic	ND	1.0	ug/g					
Barium	ND	1.0	ug/g					
Beryllium	ND	0.5	ug/g					
Boron	ND	5.0	ug/g					
Cadmium	ND	0.5	ug/g					
Chromium	ND	5.0	ug/g					
Cobalt	ND	1.0	ug/g					
Copper	ND	5.0	ug/g					
Lead	ND	1.0	ug/g					
Molybdenum	ND	1.0	ug/g					
Nickel	ND	5.0	ug/g					
Selenium	ND	1.0	ug/g					
Silver	ND	0.3	ug/g					
Thallium	ND	1.0	ug/g					
Uranium	ND	1.0	ug/g					
Vanadium	ND	10.0	ug/g					
Zinc	ND	20.0	ug/g					
Semi-Volatiles								
Acenaphthene	ND	0.02	ug/g					

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Acenaphthylene	ND	0.02	ug/g					
Anthracene	ND	0.02	ug/g					
Benzo [a] anthracene	ND	0.02	ug/g					
Benzo [a] pyrene	ND	0.02	ug/g					
Benzo [b] fluoranthene	ND	0.02	ug/g					
Benzo [g,h,i] perylene	ND	0.02	ug/g					
Benzo [k] fluoranthene	ND	0.02	ug/g					
Chrysene	ND	0.02	ug/g					
Dibenzo [a,h] anthracene	ND	0.02	ug/g					
Fluoranthene	ND	0.02	ug/g					
Fluorene	ND	0.02	ug/g					
Indeno [1,2,3-cd] pyrene	ND	0.02	ug/g					
1-Methylnaphthalene	ND	0.02	ug/g					
2-Methylnaphthalene	ND	0.02	ug/g					
Methylnaphthalene (1&2)	ND	0.04	ug/g					
Naphthalene	ND	0.01	ug/g					
Phenanthrene	ND	0.02	ug/g					
Pyrene	ND	0.02	ug/g					
Surrogate: 2-Fluorobiphenyl	*0.896*		*%*	*67.2*	*50-140*			
Surrogate: Terphenyl-d14	*1.00*		*%*	*75.3*	*50-140*			
Volatiles								
Acetone	ND	0.50	ug/g					
Benzene	ND	0.02	ug/g					
Bromodichloromethane	ND	0.05	ug/g					
Bromoform	ND	0.05	ug/g					
Bromomethane	ND	0.05	ug/g					
Carbon Tetrachloride	ND	0.05	ug/g					
Chlorobenzene	ND	0.05	ug/g					
Chloroform	ND	0.05	ug/g					
Dibromochloromethane	ND	0.05	ug/g					
Dichlorodifluoromethane	ND	0.05	ug/g					
1,2-Dichlorobenzene	ND	0.05	ug/g					

PARACEL LABORATORIES LTD.

Order #: 2541339

Certificate of Analysis

Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
1,3-Dichlorobenzene	ND	0.05	ug/g					
1,4-Dichlorobenzene	ND	0.05	ug/g					
1,1-Dichloroethane	ND	0.05	ug/g					
1,2-Dichloroethane	ND	0.05	ug/g					
1,1-Dichloroethylene	ND	0.05	ug/g					
cis-1,2-Dichloroethylene	ND	0.05	ug/g					
trans-1,2-Dichloroethylene	ND	0.05	ug/g					
1,2-Dichloropropane	ND	0.05	ug/g					
cis-1,3-Dichloropropylene	ND	0.05	ug/g					
trans-1,3-Dichloropropylene	ND	0.05	ug/g					
1,3-Dichloropropene, total	ND	0.05	ug/g					
Ethylbenzene	ND	0.05	ug/g					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g					
Hexane	ND	0.05	ug/g					
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g					
Methyl Isobutyl Ketone	ND	0.50	ug/g					
Methyl tert-butyl ether	ND	0.05	ug/g					
Methylene Chloride	ND	0.05	ug/g					
Styrene	ND	0.05	ug/g					
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g					
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g					
Tetrachloroethylene	ND	0.05	ug/g					
Toluene	ND	0.05	ug/g					
1,1,1-Trichloroethane	ND	0.05	ug/g					
1,1,2-Trichloroethane	ND	0.05	ug/g					
Trichloroethylene	ND	0.05	ug/g					
Trichlorofluoromethane	ND	0.05	ug/g					
Vinyl chloride	ND	0.02	ug/g					
m,p-Xylenes	ND	0.05	ug/g					
o-Xylene	ND	0.05	ug/g					
Xylenes, total	ND	0.05	ug/g					
Surrogate: 4-Bromofluorobenzene	*8.60*		*%*	*107*	*50-140*			

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Project Description: 23906-001

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*8.18*		*%*	*102*	*50-140*			
Surrogate: Toluene-d8	*6.75*		*%*	*84.4*	*50-140*			

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Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
SAR	0.91	0.01	N/A	0.91			0.0	30	
Conductivity	261	5	uS/cm	267			2.1	5	
Cyanide, free	ND	0.03	ug/g	ND			NC	35	
pH	9.93	0.05	pH Units	9.91			0.2	2.3	
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g	ND			NC	40	
F2 PHCs (C10-C16)	ND	4	ug/g	ND			NC	30	
F3 PHCs (C16-C34)	ND	8	ug/g	ND			NC	30	
F4 PHCs (C34-C50)	ND	6	ug/g	ND			NC	30	
Metals									
Antimony	ND	1.0	ug/g	ND			NC	30	
Arsenic	2.1	1.0	ug/g	2.5			16.9	30	
Barium	232	1.0	ug/g	256			9.8	30	
Beryllium	0.6	0.5	ug/g	0.6			2.0	30	
Boron, available	ND	0.5	ug/g	ND			NC	35	
Boron	ND	5.0	ug/g	ND			NC	30	
Cadmium	ND	0.5	ug/g	ND			NC	30	
Chromium (VI)	ND	0.2	ug/g	ND			NC	35	
Chromium	46.8	5.0	ug/g	50.5			7.6	30	
Cobalt	12.5	1.0	ug/g	13.4			7.2	30	
Copper	24.7	5.0	ug/g	27.6			11.3	30	
Lead	4.5	1.0	ug/g	4.9			8.1	30	
Mercury	ND	0.1	ug/g	ND			NC	30	
Molybdenum	ND	1.0	ug/g	1.0			NC	30	
Nickel	26.5	5.0	ug/g	28.9			8.8	30	
Selenium	ND	1.0	ug/g	ND			NC	30	
Silver	ND	0.3	ug/g	ND			NC	30	
Thallium	ND	1.0	ug/g	ND			NC	30	
Uranium	ND	1.0	ug/g	ND			NC	30	
Vanadium	64.3	10.0	ug/g	70.3			8.9	30	

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Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Zinc	72.6	20.0	ug/g	77.8			6.9	30	
Physical Characteristics									
% Solids	84.5	0.1	% by Wt.	84.6			0.1	25	
Semi-Volatiles									
Acenaphthene	ND	0.02	ug/g	ND			NC	40	
Acenaphthylene	ND	0.02	ug/g	ND			NC	40	
Anthracene	ND	0.02	ug/g	ND			NC	40	
Benzo [a] anthracene	ND	0.02	ug/g	ND			NC	40	
Benzo [a] pyrene	ND	0.02	ug/g	ND			NC	40	
Benzo [b] fluoranthene	ND	0.02	ug/g	ND			NC	40	
Benzo [g,h,i] perylene	ND	0.02	ug/g	ND			NC	40	
Benzo [k] fluoranthene	ND	0.02	ug/g	ND			NC	40	
Chrysene	ND	0.02	ug/g	ND			NC	40	
Dibenzo [a,h] anthracene	ND	0.02	ug/g	ND			NC	40	
Fluoranthene	ND	0.02	ug/g	ND			NC	40	
Fluorene	ND	0.02	ug/g	ND			NC	40	
Indeno [1,2,3-cd] pyrene	ND	0.02	ug/g	ND			NC	40	
1-Methylnaphthalene	ND	0.02	ug/g	ND			NC	40	
2-Methylnaphthalene	ND	0.02	ug/g	ND			NC	40	
Naphthalene	ND	0.01	ug/g	ND			NC	40	
Phenanthrene	ND	0.02	ug/g	ND			NC	40	
Pyrene	ND	0.02	ug/g	ND			NC	40	
Surrogate: 2-Fluorobiphenyl	*0.917*		*%*		*65.1*	*50-140*			
Surrogate: Terphenyl-d14	*1.04*		*%*		*73.9*	*50-140*			
Volatiles									
Acetone	ND	0.50	ug/g	ND			NC	50	
Benzene	ND	0.02	ug/g	ND			NC	50	
Bromodichloromethane	ND	0.05	ug/g	ND			NC	50	
Bromoform	ND	0.05	ug/g	ND			NC	50	
Bromomethane	ND	0.05	ug/g	ND			NC	50	
Carbon Tetrachloride	ND	0.05	ug/g	ND			NC	50	

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Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Chlorobenzene	ND	0.05	ug/g	ND			NC	50	
Chloroform	ND	0.05	ug/g	ND			NC	50	
Dibromochloromethane	ND	0.05	ug/g	ND			NC	50	
Dichlorodifluoromethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,3-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,4-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
cis-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
trans-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloropropane	ND	0.05	ug/g	ND			NC	50	
cis-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
trans-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
Ethylbenzene	ND	0.05	ug/g	ND			NC	50	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g	ND			NC	50	
Hexane	ND	0.05	ug/g	ND			NC	50	
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g	ND			NC	50	
Methyl Isobutyl Ketone	ND	0.50	ug/g	ND			NC	50	
Methyl tert-butyl ether	ND	0.05	ug/g	ND			NC	50	
Methylene Chloride	ND	0.05	ug/g	ND			NC	50	
Styrene	ND	0.05	ug/g	ND			NC	50	
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
Tetrachloroethylene	ND	0.05	ug/g	ND			NC	50	
Toluene	ND	0.05	ug/g	ND			NC	50	
1,1,1-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
Trichloroethylene	ND	0.05	ug/g	ND			NC	50	
Trichlorofluoromethane	ND	0.05	ug/g	ND			NC	50	

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Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Vinyl chloride	ND	0.02	ug/g	ND			NC	50	
m,p-Xylenes	ND	0.05	ug/g	ND			NC	50	
o-Xylene	ND	0.05	ug/g	ND			NC	50	
Surrogate: 4-Bromofluorobenzene	*9.60*		*%*		*111*	*50-140*			
Surrogate: Dibromofluoromethane	*10.3*		*%*		*118*	*50-140*			
Surrogate: Toluene-d8	*7.46*		*%*		*85.9*	*50-140*			

PARACEL LABORATORIES LTD.

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Report Date: 15-Oct-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
Cyanide, free	0.284	0.03	ug/g	ND	92.6	50-150			
Hydrocarbons									
F1 PHCs (C6-C10)	187	7	ug/g	ND	108	85-115			
F2 PHCs (C10-C16)	110	4	ug/g	ND	117	60-140			
F3 PHCs (C16-C34)	273	8	ug/g	ND	118	60-140			
F4 PHCs (C34-C50)	173	6	ug/g	ND	118	60-140			
F4G PHCs (gravimetric)	1160	50	ug/g	ND	116	80-120			
Metals									
Antimony	41.0	1.0	ug/g	ND	82.0	70-130			
Arsenic	50.8	1.0	ug/g	1.0	99.6	70-130			
Barium	149	1.0	ug/g	102	93.1	70-130			
Beryllium	49.4	0.5	ug/g	ND	98.2	70-130			
Boron, available	3.22	0.5	ug/g	ND	64.4	60-140			
Boron	47.5	5.0	ug/g	ND	91.2	70-130			
Cadmium	47.5	0.5	ug/g	ND	94.9	70-130			
Chromium (VI)	5.0	0.2	ug/g	ND	100	66-118			
Chromium	73.0	5.0	ug/g	20.2	106	70-130			
Cobalt	55.9	1.0	ug/g	5.4	101	70-130			
Copper	58.5	5.0	ug/g	11.1	95.0	70-130			
Lead	48.8	1.0	ug/g	2.0	93.6	70-130			
Mercury	1.55	0.1	ug/g	ND	103	70-130			
Molybdenum	52.3	1.0	ug/g	ND	104	70-130			
Nickel	61.5	5.0	ug/g	11.6	99.8	70-130			
Selenium	48.5	1.0	ug/g	ND	96.7	70-130			
Silver	31.6	0.3	ug/g	ND	63.2	70-130			QM-07
Thallium	47.1	1.0	ug/g	ND	94.0	70-130			
Uranium	48.3	1.0	ug/g	ND	95.9	70-130			
Vanadium	81.4	10.0	ug/g	28.1	107	70-130			
Zinc	77.7	20.0	ug/g	31.1	93.2	70-130			
Semi-Volatiles									

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Client PO:

Project Description: 23906-001

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Acenaphthene	0.190	0.02	ug/g	ND	108	50-140			
Acenaphthylene	0.186	0.02	ug/g	ND	105	50-140			
Anthracene	0.186	0.02	ug/g	ND	105	50-140			
Benzo [a] anthracene	0.183	0.02	ug/g	ND	104	50-140			
Benzo [a] pyrene	0.181	0.02	ug/g	ND	102	50-140			
Benzo [b] fluoranthene	0.194	0.02	ug/g	ND	110	50-140			
Benzo [g,h,i] perylene	0.169	0.02	ug/g	ND	96.0	50-140			
Benzo [k] fluoranthene	0.166	0.02	ug/g	ND	94.2	50-140			
Chrysene	0.205	0.02	ug/g	ND	116	50-140			
Dibenzo [a,h] anthracene	0.200	0.02	ug/g	ND	113	50-140			
Fluoranthene	0.203	0.02	ug/g	ND	115	50-140			
Fluorene	0.183	0.02	ug/g	ND	104	50-140			
Indeno [1,2,3-cd] pyrene	0.192	0.02	ug/g	ND	109	50-140			
1-Methylnaphthalene	0.129	0.02	ug/g	ND	73.1	50-140			
2-Methylnaphthalene	0.150	0.02	ug/g	ND	85.0	50-140			
Naphthalene	0.173	0.01	ug/g	ND	98.3	50-140			
Phenanthrene	0.198	0.02	ug/g	ND	112	50-140			
Pyrene	0.204	0.02	ug/g	ND	116	50-140			
Surrogate: 2-Fluorobiphenyl	*1.10*		*%*		*77.9*	*50-140*			
Surrogate: Terphenyl-d14	*1.25*		*%*		*88.8*	*50-140*			
Volatiles									
Acetone	10.8	0.50	ug/g	ND	108	50-140			
Benzene	3.35	0.02	ug/g	ND	83.8	60-130			
Bromodichloromethane	3.30	0.05	ug/g	ND	82.4	60-130			
Bromoform	2.70	0.05	ug/g	ND	67.5	60-130			
Bromomethane	4.74	0.05	ug/g	ND	119	50-140			
Carbon Tetrachloride	3.32	0.05	ug/g	ND	83.0	60-130			
Chlorobenzene	3.44	0.05	ug/g	ND	85.9	60-130			
Chloroform	3.71	0.05	ug/g	ND	92.9	60-130			
Dibromochloromethane	3.28	0.05	ug/g	ND	81.9	60-130			
Dichlorodifluoromethane	4.53	0.05	ug/g	ND	113	50-140			

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Project Description: 23906-001

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
1,2-Dichlorobenzene	3.11	0.05	ug/g	ND	77.6	60-130			
1,3-Dichlorobenzene	3.19	0.05	ug/g	ND	79.7	60-130			
1,4-Dichlorobenzene	3.07	0.05	ug/g	ND	76.7	60-130			
1,1-Dichloroethane	3.31	0.05	ug/g	ND	82.8	60-130			
1,2-Dichloroethane	2.88	0.05	ug/g	ND	72.1	60-130			
1,1-Dichloroethylene	4.38	0.05	ug/g	ND	110	60-130			
cis-1,2-Dichloroethylene	3.97	0.05	ug/g	ND	99.1	60-130			
trans-1,2-Dichloroethylene	4.04	0.05	ug/g	ND	101	60-130			
1,2-Dichloropropane	3.43	0.05	ug/g	ND	85.8	60-130			
cis-1,3-Dichloropropylene	3.04	0.05	ug/g	ND	75.9	60-130			
trans-1,3-Dichloropropylene	2.62	0.05	ug/g	ND	65.6	60-130			
Ethylbenzene	3.31	0.05	ug/g	ND	82.7	60-130			
Ethylene dibromide (dibromoethane, 1,2-)	3.43	0.05	ug/g	ND	85.9	60-130			
Hexane	2.80	0.05	ug/g	ND	70.1	60-130			
Methyl Ethyl Ketone (2-Butanone)	9.38	0.50	ug/g	ND	93.8	50-140			
Methyl Isobutyl Ketone	7.47	0.50	ug/g	ND	74.7	50-140			
Methyl tert-butyl ether	5.03	0.05	ug/g	ND	50.3	50-140			
Methylene Chloride	4.40	0.05	ug/g	ND	110	60-130			
Styrene	4.00	0.05	ug/g	ND	100	60-130			
1,1,1,2-Tetrachloroethane	3.48	0.05	ug/g	ND	87.0	60-130			
1,1,2,2-Tetrachloroethane	3.77	0.05	ug/g	ND	94.3	60-130			
Tetrachloroethylene	4.16	0.05	ug/g	ND	104	60-130			
Toluene	3.19	0.05	ug/g	ND	79.9	60-130			
1,1,1-Trichloroethane	3.24	0.05	ug/g	ND	81.1	60-130			
1,1,2-Trichloroethane	2.98	0.05	ug/g	ND	74.5	60-130			
Trichloroethylene	3.70	0.05	ug/g	ND	92.4	60-130			
Trichlorofluoromethane	4.33	0.05	ug/g	ND	108	50-140			
Vinyl chloride	5.08	0.02	ug/g	ND	127	50-140			
m,p-Xylenes	7.02	0.05	ug/g	ND	87.7	60-130			
o-Xylene	3.50	0.05	ug/g	ND	87.4	60-130			

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Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

Qualifier Notes:

Sample Qualifiers :

2: GC-FID signal did not return to baseline by C50

Applies to Samples: BH104-25_0.6-1.2, BH106-25_0.0-0.5

QC Qualifiers:

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on other acceptable QC.

Sample Data Revisions:

None

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Client: **Cambium Inc. (Ottawa)**

Order Date: 8-Oct-2025

Client PO:

Project Description: 23906-001

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

Soil results are reported on a dry weight basis unlesss otherwise noted.

Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.

- F1 range corrected for BTEX.

- F2 to F3 ranges corrected for appropriate PAHs where available.

- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.

- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.

- When reported, data for F4G has been processed using a silica gel cleanup.

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

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PARACEL LABORATORIES LTD.

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Paracel Order Number (Lab Use Only): 2541339

Chain Of Custody (Lab Use Only) № 149203

Page 1 of 2

Client Name: Cambium Inc.
Contact Name: Sheila Barter
Address: Unit 100, 301 Moodie Drive, Ottawa
Telephone:
Project Ref: 23906-001
Quote #:
PO #:
E-mail: sheila.barter@cambium-inc.com, dave.labelle@cambium-inc.com, nurein.seif@cambium-inc.com

Turnaround Time: ☐ 1 day ☐ 3 day ☐ 2 day ☒ Regular
Date Required:

☒ REG 153/04 ☐ REG 406/19
☐ Table 1 ☐ Agri/Other ☐ Med/Fine
☐ Table 2 ☒ Res/Park ☒ Coarse
☒ Table 3 ~~☒ Industrial/Comm~~ NS
☐ Table ___
For RSC: ☒ Yes ☐ No

Other Regulation: ☐ REG 558 ☐ PWQO ☐ CCME ☐ MISA ☐ SU - Sani ☐ SU - Storm
Mun:
☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analysis

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	~~B(HWE)~~	pH	EC	SAR	CN
1	BH101-25 - 2.5-3.0	S		3		Oct. 7, 2025	14:20	X	X	X	X	X	X	~~X~~	X	X	X	X
2	BH101-25 - 3.0-3.5						14:40							X				
3	BH102-25 - 0.3-0.9						16:10							X				
4	BH102-25 - 4.5-5.0						16:20							~~X~~				
5	BH103-25 - 0.3-0.8						10:30							X				
6	BH103-25 - 3.5-4.0						10:40							~~X~~				
7	BH104-25 - 0.6-1.2					Oct. 6, 2025	9:30							X				
8	BH104-25 - 2.5-3.0						9:40							~~X~~				
9	BH105-25 - 0.0-0.5						13:20							X				
10	BH105-25 - 2.5-3.0						13:25							~~X~~				

Comments: crossing out done by NS

Method of Delivery: Walcen

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Relinquished By (Sign):	Received at Depot: CD 1240	Received at Lab: JM	Verified By: JM
Relinquished By (Print): Nurein Seif	Date/Time: Oct 8	Date/Time: Oct 8 1606	Date/Time: Oct 8 1800
Date/Time: Oct. 8, 2025 / 12:46	Temperature: 17.5 °C	Temperature: 8.4 °C	pH Verified: ☐ By:

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

PARACEL LABORATORIES LTD.

Paracel ID: 2541339

Paracel Order Number (Lab Use Only)	Chain Of Custody (Lab Use Only)
2541339	№ 149204

Page 2 of 2

Client Name:	Cambium Inc
Contact Name:	Sheila Barter
Address:	Unit 100, 301 Moodie Drive, Ottawa
Telephone:	
Project Ref:	23906-001
Quote #:	
PO #:	
E-mail:	Sheila.barter dave.labelle nurein.seif @cambium-inc.com

Turnaround Time: ☐ 1 day ☐ 3 day ☐ 2 day ☒ Regular

Date Required: _____

☒ REG 153/04 ☐ REG 406/19

☐ Table 1 ☐ Agri/Other ☐ Med/Fine
☐ Table 2 ☒ Res/Park ☒ Coarse
☒ Table 3 ~~☒ Industrial~~ NS
☐ Table ___
For RSC: ☒ Yes ☐ No

Other Regulation: ☐ REG 558 ☐ PWQO ☐ CCME ☐ MISA ☐ SU - Sani ☐ SU - Storm
Mun: _____
☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analysis

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWE)	~~F~~	EC	SAR	CN
1	BH106-25_0.0-0.5	S	3-7			Oct.6,2025	11:35	X	X	X	X	X	X	X	X	X	X	X
2	BH106-25_1.5-2.0						11:30							~~X~~				
3	BH107-25_0.6-1.2						10:30							X				
4	BH107-25_1.2-1.6						10:40							X				
5	BH108-25_0.0-0.5						12:30							X				
6	BH108-25_2.5-3.0						12:35							~~X~~				
7	BH109-25_0.0-0.5						14:40							X				
8	BH109-25_2.5-3.0						14:45							~~X~~				
9	QA/QC					Oct.7,2025	—							X				
10																		

Comments: crossed out parameters made by NS

Method of Delivery: Hand

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Relinquished By (Sign):	Received at Depot: 1240	Received at Lab: JM	Verified By: JM
Relinquished By (Print): NUREIN SEIF	Date/Time: Oct 8	Date/Time: Oct 8 1606	Date/Time: Oct 8 1800
Date/Time: Oct.8,2025/12:40	Temperature: 17.5 °C	Temperature: 8.4 °C	pH Verified: ☐ By:

Docusign Envelope ID: EDD4547E-8A80-8A7B-80BD-B3F9ED1CA048

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Certificate of Analysis

Cambium Inc. (Ottawa)
102-343 Preston Street
Ottawa, ON K7K 7G3
Attn: Sheila Barter

Report Date: 20-Nov-2025
Order Date: 14-Nov-2025

Client PO:
Project: 23906-001
Custody:

Order #: 2546559

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2546559-01	BH101-25
2546559-02	BH102-25
2546559-03	BH103B-25
2546559-04	BH24-03B
2546559-05	QA/QC
2546559-06	TRIP BLANK

Approved By: Mark Foto

Mark Foto, M.Sc.
Laboratory Director

PARACEL LABORATORIES LTD.

Order #: 2546559

Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Chromium, hexavalent - water	MOE E3056 - colourimetric	19-Nov-25	19-Nov-25
Cyanide, free	MOE E3015 - Auto Colour	17-Nov-25	17-Nov-25
Mercury by CVAA	EPA 245.2 - Cold Vapour AA	17-Nov-25	18-Nov-25
Metals, ICP-MS	EPA 200.8 - ICP-MS	17-Nov-25	18-Nov-25
PHC F1	CWS Tier 1 - P&T GC-FID	18-Nov-25	18-Nov-25
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	18-Nov-25	19-Nov-25
REG 153: PAHs by GC-MS	EPA 625 - GC-MS, extraction	19-Nov-25	19-Nov-25
REG 153: VOCs by P&T GC/MS	EPA 624 - P&T GC-MS	18-Nov-25	18-Nov-25

PARACEL LABORATORIES LTD.

Order #: 2546559

Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

Summary of Criteria Exceedances

If this page is blank, then there are no exceedances

Regulatory Comparison:

Paracel Laboratories has provided regulatory guidelines on this report for informational purposes only and makes no representations or warranties that the data is accurate or reflects the current regulatory values. The user is advised to consult with the appropriate official regulations to evaluate compliance. Sample results that are highlighted in red have exceeded the selected regulatory limit. A blue highlight represents a non-detect result with a reporting limit that exceeds the selected regulatory limit. Calculated uncertainty estimations have not been applied for determining regulatory exceedances.

Sample	Analyte	MDL / Units	Result	Reg 153/04 -T2 Potable Groundwater, coarse	-
BH101-25	Uranium	0.1 ug/L	41.7	20 ug/L	-
BH102-25	Cobalt	0.5 ug/L	5.4	3.8 ug/L	-
BH102-25	Benzo [a] pyrene	0.01 ug/L	<0.05 [1]	0.01 ug/L	-
BH102-25	Benzo [b] fluoranthene	0.05 ug/L	<0.25 [1]	0.1 ug/L	-
BH102-25	Benzo [g,h,i] perylene	0.05 ug/L	<0.25 [1]	0.2 ug/L	-
BH102-25	Benzo [k] fluoranthene	0.05 ug/L	<0.25 [1]	0.1 ug/L	-
BH102-25	Chrysene	0.05 ug/L	<0.25 [1]	0.1 ug/L	-
BH102-25	Dibenzo [a,h] anthracene	0.05 ug/L	<0.25 [1]	0.2 ug/L	-
BH103B-25	Cobalt	0.5 ug/L	28.0	3.8 ug/L	-
BH103B-25	Sodium	200 ug/L	1790000	490000 ug/L	-
BH103B-25	Benzo [a] pyrene	0.01 ug/L	<0.02 [1]	0.01 ug/L	-

PARACEL LABORATORIES LTD.

Order #: 2546559

Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH101-25	BH102-25	BH103B-25	BH24-03B	**Criteria:**	
	Sample Date:	13-Nov-25 14:00	13-Nov-25 14:45	13-Nov-25 12:40	13-Nov-25 16:10	**Reg 153/04 -T2 Potable Groundwater, coarse**	-
	Sample ID:	2546559-01	2546559-02	2546559-03	2546559-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
General Inorganics							
Cyanide, free	2 ug/L	-	-	-	<2	66 ug/L	-
Metals							
Mercury	0.1 ug/L	-	-	-	<0.1	0.29 ug/L	-
Antimony	0.5 ug/L	<0.5	0.9	1.2	<0.5	6 ug/L	-
Arsenic	1 ug/L	<1	<1	<1	2	25 ug/L	-
Barium	1 ug/L	44	44	176	43	1000 ug/L	-
Beryllium	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	4 ug/L	-
Boron	10 ug/L	120	174	30	56	5000 ug/L	-
Cadmium	0.1 ug/L	<0.1	<0.1	<0.1	<0.1	2.7 ug/L	-
Chromium	1 ug/L	<1	<1	<1	<1	50 ug/L	-
Chromium (VI)	10 ug/L	-	-	-	<10	25 ug/L	-
Cobalt	0.5 ug/L	0.6	5.4	28.0	2.8	3.8 ug/L	-
Copper	0.5 ug/L	2.9	3.3	6.4	1.1	87 ug/L	-
Lead	0.1 ug/L	<0.1	<0.1	<0.1	<0.1	10 ug/L	-
Molybdenum	0.5 ug/L	17.1	37.1	11.0	2.2	70 ug/L	-
Nickel	1 ug/L	8	28	46	2	100 ug/L	-
Selenium	1 ug/L	<1	2	4	<1	10 ug/L	-
Silver	0.1 ug/L	<0.1	<0.1	<0.1	<0.1	1.5 ug/L	-
Sodium	200 ug/L	81700	376000	1790000	436000	490000 ug/L	-
Thallium	0.1 ug/L	<0.1	<0.1	0.3	<0.1	2 ug/L	-
Uranium	0.1 ug/L	41.7	18.8	14.9	9.3	20 ug/L	-
Vanadium	0.5 ug/L	1.6	1.3	0.6	<0.5	6.2 ug/L	-
Zinc	5 ug/L	<5	10	7	5	1100 ug/L	-
Volatiles							
Acetone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	2700 ug/L	-

PARACEL LABORATORIES LTD.

Order #: 2546559

Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH101-25	BH102-25	BH103B-25	BH24-03B	**Criteria:**	
	Sample Date:	13-Nov-25 14:00	13-Nov-25 14:45	13-Nov-25 12:40	13-Nov-25 16:10	**Reg 153/04 -T2 Potable Groundwater, coarse**	-
	Sample ID:	2546559-01	2546559-02	2546559-03	2546559-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Benzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	5 ug/L	-
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	16 ug/L	-
Bromoform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	25 ug/L	-
Bromomethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	0.89 ug/L	-
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	0.79 ug/L	-
Chlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	30 ug/L	-
Chloroform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	2.4 ug/L	-
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	25 ug/L	-
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	590 ug/L	-
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	3 ug/L	-
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	59 ug/L	-
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1 ug/L	-
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	5 ug/L	-
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1.6 ug/L	-
1,1-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1.6 ug/L	-
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1.6 ug/L	-
trans-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1.6 ug/L	-
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	5 ug/L	-
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	0.5 ug/L	-
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	0.2 ug/L	-
Ethylbenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	2.4 ug/L	-
Hexane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	51 ug/L	-
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	1800 ug/L	-

PARACEL LABORATORIES LTD.

Order #: 2546559

Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH101-25	BH102-25	BH103B-25	BH24-03B	**Criteria:**	
	Sample Date:	13-Nov-25 14:00	13-Nov-25 14:45	13-Nov-25 12:40	13-Nov-25 16:10	**Reg 153/04 -T2 Potable Groundwater, coarse**	-
	Sample ID:	2546559-01	2546559-02	2546559-03	2546559-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	640 ug/L	-
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	<2.0	<2.0	15 ug/L	-
Methylene Chloride	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	50 ug/L	-
Styrene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	5.4 ug/L	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1.1 ug/L	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1 ug/L	-
Tetrachloroethylene	0.5 ug/L	1.0	<0.5	<0.5	<0.5	1.6 ug/L	-
Toluene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	24 ug/L	-
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	200 ug/L	-
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	4.7 ug/L	-
Trichloroethylene	0.5 ug/L	1.0	<0.5	<0.5	<0.5	1.6 ug/L	-
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	150 ug/L	-
Vinyl chloride	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	0.5 ug/L	-
m,p-Xylenes	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
o-Xylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Xylenes, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	300 ug/L	-
Toluene-d8	Surrogate	98.0%	96.8%	97.0%	97.1%	-	-
4-Bromofluorobenzene	Surrogate	86.5%	88.5%	88.1%	87.8%	-	-
Dibromofluoromethane	Surrogate	98.4%	97.1%	102%	101%	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	25 ug/L	<25	<25	<25	<25	750 ug/L	-
F2 PHCs (C10-C16)	100 ug/L	<100	<100	<100	<100	150 ug/L	-
F3 PHCs (C16-C34)	100 ug/L	<100	<100	<100	<100	500 ug/L	-
F4 PHCs (C34-C50)	100 ug/L	<100	<100	<100	<100	500 ug/L	-
Semi-Volatiles							

PARACEL LABORATORIES LTD.

Order #: 2546559

Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH101-25	BH102-25	BH103B-25	BH24-03B	**Criteria:**	
	Sample Date:	13-Nov-25 14:00	13-Nov-25 14:45	13-Nov-25 12:40	13-Nov-25 16:10	**Reg 153/04 -T2 Potable Groundwater, coarse**	-
	Sample ID:	2546559-01	2546559-02	2546559-03	2546559-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Semi-Volatiles							
Acenaphthene	0.05 ug/L	<0.05	<0.25 [1]	<0.25 [1]	<0.05	4.1 ug/L	-
Acenaphthylene	0.05 ug/L	<0.05	<0.25 [1]	<0.10 [1]	<0.05	1 ug/L	-
Anthracene	0.01 ug/L	<0.01	<0.05 [1]	<0.02 [1]	<0.01	2.4 ug/L	-
Benzo [a] anthracene	0.01 ug/L	<0.01	<0.05 [1]	<0.02 [1]	<0.01	1 ug/L	-
Benzo [a] pyrene	0.01 ug/L	<0.01	<0.05 [1]	<0.02 [1]	<0.01	0.01 ug/L	-
Benzo [b] fluoranthene	0.05 ug/L	<0.05	<0.25 [1]	<0.10 [1]	<0.05	0.1 ug/L	-
Benzo [g,h,i] perylene	0.05 ug/L	<0.05	<0.25 [1]	<0.10 [1]	<0.05	0.2 ug/L	-
Benzo [k] fluoranthene	0.05 ug/L	<0.05	<0.25 [1]	<0.10 [1]	<0.05	0.1 ug/L	-
Chrysene	0.05 ug/L	<0.05	<0.25 [1]	<0.10 [1]	<0.05	0.1 ug/L	-
Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	<0.25 [1]	<0.10 [1]	<0.05	0.2 ug/L	-
Fluoranthene	0.01 ug/L	<0.01	<0.05 [1]	<0.02 [1]	<0.01	0.41 ug/L	-
Fluorene	0.05 ug/L	<0.05	<0.25 [1]	<0.10 [1]	<0.05	120 ug/L	-
Indeno [1,2,3-cd] pyrene	0.05 ug/L	<0.05	<0.25 [1]	<0.10 [1]	<0.05	-	-
1-Methylnaphthalene	0.05 ug/L	<0.05	<0.25 [1]	<0.10 [1]	<0.05	3.2 ug/L	-
2-Methylnaphthalene	0.05 ug/L	<0.05	<0.25 [1]	<0.10 [1]	<0.05	3.2 ug/L	-
Methylnaphthalene (1&2)	0.10 ug/L	<0.10	<0.50 [1]	<0.20 [1]	<0.10	3.2 ug/L	-
Naphthalene	0.05 ug/L	<0.05	<0.25 [1]	<0.10 [1]	<0.05	11 ug/L	-
Phenanthrene	0.05 ug/L	<0.05	<0.25 [1]	<0.10 [1]	<0.05	1 ug/L	-
Pyrene	0.01 ug/L	<0.01	<0.05 [1]	<0.02 [1]	<0.01	4.1 ug/L	-
2-Fluorobiphenyl	Surrogate	79.9%	76.0% [1]	82.4% [1]	78.7%	-	-
Terphenyl-d14	Surrogate	86.9%	84.9% [1]	90.5% [1]	87.8%	-	-

PARACEL LABORATORIES LTD.

Order #: 2546559

Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

	Client ID:	QA/QC	TRIP BLANK			**Criteria:**	
	Sample Date:	13-Nov-25 00:00	13-Nov-25 09:00			**Reg 153/04 -T2 Potable Groundwater, coarse**	-
	Sample ID:	2546559-05	2546559-06				
	Matrix:	Ground Water	Other				
	MDL/Units						
General Inorganics							
Cyanide, free	2 ug/L	<2	-	-	-	66 ug/L	-
Metals							
Mercury	0.1 ug/L	<0.1	-	-	-	0.29 ug/L	-
Antimony	0.5 ug/L	<0.5	-	-	-	6 ug/L	-
Arsenic	1 ug/L	2	-	-	-	25 ug/L	-
Barium	1 ug/L	42	-	-	-	1000 ug/L	-
Beryllium	0.5 ug/L	<0.5	-	-	-	4 ug/L	-
Boron	10 ug/L	57	-	-	-	5000 ug/L	-
Cadmium	0.1 ug/L	<0.1	-	-	-	2.7 ug/L	-
Chromium	1 ug/L	<1	-	-	-	50 ug/L	-
Chromium (VI)	10 ug/L	<10	-	-	-	25 ug/L	-
Cobalt	0.5 ug/L	2.5	-	-	-	3.8 ug/L	-
Copper	0.5 ug/L	1.4	-	-	-	87 ug/L	-
Lead	0.1 ug/L	<0.1	-	-	-	10 ug/L	-
Molybdenum	0.5 ug/L	2.3	-	-	-	70 ug/L	-
Nickel	1 ug/L	2	-	-	-	100 ug/L	-
Selenium	1 ug/L	<1	-	-	-	10 ug/L	-
Silver	0.1 ug/L	<0.1	-	-	-	1.5 ug/L	-
Sodium	200 ug/L	430000	-	-	-	490000 ug/L	-
Thallium	0.1 ug/L	<0.1	-	-	-	2 ug/L	-
Uranium	0.1 ug/L	8.9	-	-	-	20 ug/L	-
Vanadium	0.5 ug/L	<0.5	-	-	-	6.2 ug/L	-
Zinc	5 ug/L	5	-	-	-	1100 ug/L	-
Volatiles							
Acetone	5.0 ug/L	<5.0	<5.0	-	-	2700 ug/L	-

PARACEL LABORATORIES LTD.

Order #: 2546559

Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

	Client ID:	QA/QC	TRIP BLANK			**Criteria:**	
	Sample Date:	13-Nov-25 00:00	13-Nov-25 09:00			**Reg 153/04 -T2 Potable Groundwater, coarse**	-
	Sample ID:	2546559-05	2546559-06				
	Matrix:	Ground Water	Other				
	MDL/Units						
Volatiles							
Benzene	0.5 ug/L	<0.5	<0.5	-	-	5 ug/L	-
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	-	-	16 ug/L	-
Bromoform	0.5 ug/L	<0.5	<0.5	-	-	25 ug/L	-
Bromomethane	0.5 ug/L	<0.5	<0.5	-	-	0.89 ug/L	-
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	-	-	0.79 ug/L	-
Chlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	30 ug/L	-
Chloroform	0.5 ug/L	<0.5	<0.5	-	-	2.4 ug/L	-
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	-	-	25 ug/L	-
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	-	-	590 ug/L	-
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	3 ug/L	-
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	59 ug/L	-
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	1 ug/L	-
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	-	-	5 ug/L	-
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	-	-	1.6 ug/L	-
1,1-Dichloroethylene	0.5 ug/L	<0.5	<0.5	-	-	1.6 ug/L	-
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	-	-	1.6 ug/L	-
trans-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	-	-	1.6 ug/L	-
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	-	-	5 ug/L	-
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	-	-	0.5 ug/L	-
Ethylbenzene	0.5 ug/L	<0.5	<0.5	-	-	2.4 ug/L	-
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	-	-	0.2 ug/L	-
Hexane	1.0 ug/L	<1.0	<1.0	-	-	51 ug/L	-
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	-	-	1800 ug/L	-

PARACEL LABORATORIES LTD.

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Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

	Client ID:	QA/QC	TRIP BLANK			**Criteria:**	
	Sample Date:	13-Nov-25 00:00	13-Nov-25 09:00				
	Sample ID:	2546559-05	2546559-06			**Reg 153/04 -T2 Potable Groundwater, coarse**	-
	Matrix:	Ground Water	Other				
	MDL/Units						
Volatiles							
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	-	-	640 ug/L	-
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	-	-	15 ug/L	-
Methylene Chloride	5.0 ug/L	<5.0	<5.0	-	-	50 ug/L	-
Styrene	0.5 ug/L	<0.5	<0.5	-	-	5.4 ug/L	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	-	-	1.1 ug/L	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	-	-	1 ug/L	-
Tetrachloroethylene	0.5 ug/L	<0.5	<0.5	-	-	1.6 ug/L	-
Toluene	0.5 ug/L	<0.5	<0.5	-	-	24 ug/L	-
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	-	-	200 ug/L	-
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	-	-	4.7 ug/L	-
Trichloroethylene	0.5 ug/L	<0.5	<0.5	-	-	1.6 ug/L	-
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	-	-	150 ug/L	-
Vinyl chloride	0.5 ug/L	<0.5	<0.5	-	-	0.5 ug/L	-
m,p-Xylenes	0.5 ug/L	<0.5	<0.5	-	-	-	-
o-Xylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
Xylenes, total	0.5 ug/L	<0.5	<0.5	-	-	300 ug/L	-
Toluene-d8	Surrogate	96.5%	95.6%	-	-	-	-
Dibromofluoromethane	Surrogate	99.3%	103%	-	-	-	-
4-Bromofluorobenzene	Surrogate	87.8%	89.5%	-	-	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	25 ug/L	<25	-	-	-	750 ug/L	-
F2 PHCs (C10-C16)	100 ug/L	<100	-	-	-	150 ug/L	-
F3 PHCs (C16-C34)	100 ug/L	<100	-	-	-	500 ug/L	-
F4 PHCs (C34-C50)	100 ug/L	<100	-	-	-	500 ug/L	-
Semi-Volatiles							

PARACEL LABORATORIES LTD.

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Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

	Client ID:	QA/QC	TRIP BLANK			**Criteria:**	
	Sample Date:	13-Nov-25 00:00	13-Nov-25 09:00			**Reg 153/04 -T2 Potable Groundwater, coarse**	-
	Sample ID:	2546559-05	2546559-06				
	Matrix:	Ground Water	Other				
	MDL/Units						
Semi-Volatiles							
Acenaphthene	0.05 ug/L	<0.05	-	-	-	4.1 ug/L	-
Acenaphthylene	0.05 ug/L	<0.05	-	-	-	1 ug/L	-
Anthracene	0.01 ug/L	<0.01	-	-	-	2.4 ug/L	-
Benzo [a] anthracene	0.01 ug/L	<0.01	-	-	-	1 ug/L	-
Benzo [a] pyrene	0.01 ug/L	<0.01	-	-	-	0.01 ug/L	-
Benzo [b] fluoranthene	0.05 ug/L	<0.05	-	-	-	0.1 ug/L	-
Benzo [g,h,i] perylene	0.05 ug/L	<0.05	-	-	-	0.2 ug/L	-
Benzo [k] fluoranthene	0.05 ug/L	<0.05	-	-	-	0.1 ug/L	-
Chrysene	0.05 ug/L	<0.05	-	-	-	0.1 ug/L	-
Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	-	-	-	0.2 ug/L	-
Fluoranthene	0.01 ug/L	<0.01	-	-	-	0.41 ug/L	-
Fluorene	0.05 ug/L	<0.05	-	-	-	120 ug/L	-
Indeno [1,2,3-cd] pyrene	0.05 ug/L	<0.05	-	-	-	-	-
1-Methylnaphthalene	0.05 ug/L	<0.05	-	-	-	3.2 ug/L	-
2-Methylnaphthalene	0.05 ug/L	<0.05	-	-	-	3.2 ug/L	-
Methylnaphthalene (1&2)	0.10 ug/L	<0.10	-	-	-	3.2 ug/L	-
Naphthalene	0.05 ug/L	<0.05	-	-	-	11 ug/L	-
Phenanthrene	0.05 ug/L	<0.05	-	-	-	1 ug/L	-
Pyrene	0.01 ug/L	<0.01	-	-	-	4.1 ug/L	-
2-Fluorobiphenyl	Surrogate	73.0%	-	-	-	-	-
Terphenyl-d14	Surrogate	86.3%	-	-	-	-	-

PARACEL LABORATORIES LTD.

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Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics								
Cyanide, free	ND	2	ug/L					
Hydrocarbons								
F1 PHCs (C6-C10)	ND	25	ug/L					
F2 PHCs (C10-C16)	ND	100	ug/L					
F3 PHCs (C16-C34)	ND	100	ug/L					
F4 PHCs (C34-C50)	ND	100	ug/L					
Metals								
Antimony	ND	0.5	ug/L					
Arsenic	ND	1	ug/L					
Barium	ND	1	ug/L					
Beryllium	ND	0.5	ug/L					
Boron	ND	10	ug/L					
Cadmium	ND	0.1	ug/L					
Chromium	ND	1	ug/L					
Chromium (VI)	ND	10	ug/L					
Cobalt	ND	0.5	ug/L					
Copper	ND	0.5	ug/L					
Lead	ND	0.1	ug/L					
Mercury	ND	0.1	ug/L					
Molybdenum	ND	0.5	ug/L					
Nickel	ND	1	ug/L					
Selenium	ND	1	ug/L					
Silver	ND	0.1	ug/L					
Sodium	ND	200	ug/L					
Thallium	ND	0.1	ug/L					
Uranium	ND	0.1	ug/L					
Vanadium	ND	0.5	ug/L					
Zinc	ND	5	ug/L					
Semi-Volatiles								
Acenaphthene	ND	0.05	ug/L					
Acenaphthylene	ND	0.05	ug/L					
Anthracene	ND	0.01	ug/L					

PARACEL LABORATORIES LTD.

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Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzo [a] anthracene	ND	0.01	ug/L					
Benzo [a] pyrene	ND	0.01	ug/L					
Benzo [b] fluoranthene	ND	0.05	ug/L					
Benzo [g,h,i] perylene	ND	0.05	ug/L					
Benzo [k] fluoranthene	ND	0.05	ug/L					
Chrysene	ND	0.05	ug/L					
Dibenzo [a,h] anthracene	ND	0.05	ug/L					
Fluoranthene	ND	0.01	ug/L					
Fluorene	ND	0.05	ug/L					
Indeno [1,2,3-cd] pyrene	ND	0.05	ug/L					
1-Methylnaphthalene	ND	0.05	ug/L					
2-Methylnaphthalene	ND	0.05	ug/L					
Methylnaphthalene (1&2)	ND	0.10	ug/L					
Naphthalene	ND	0.05	ug/L					
Phenanthrene	ND	0.05	ug/L					
Pyrene	ND	0.01	ug/L					
Surrogate: 2-Fluorobiphenyl	*16.3*		*%*	*81.3*	*50-140*			
Surrogate: Terphenyl-d14	*18.2*		*%*	*90.8*	*50-140*			
Volatiles								
Acetone	ND	5.0	ug/L					
Benzene	ND	0.5	ug/L					
Bromodichloromethane	ND	0.5	ug/L					
Bromoform	ND	0.5	ug/L					
Bromomethane	ND	0.5	ug/L					
Carbon Tetrachloride	ND	0.2	ug/L					
Chlorobenzene	ND	0.5	ug/L					
Chloroform	ND	0.5	ug/L					
Dibromochloromethane	ND	0.5	ug/L					
Dichlorodifluoromethane	ND	1.0	ug/L					
1,2-Dichlorobenzene	ND	0.5	ug/L					
1,3-Dichlorobenzene	ND	0.5	ug/L					
1,4-Dichlorobenzene	ND	0.5	ug/L					

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Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
1,1-Dichloroethane	ND	0.5	ug/L					
1,2-Dichloroethane	ND	0.5	ug/L					
1,1-Dichloroethylene	ND	0.5	ug/L					
cis-1,2-Dichloroethylene	ND	0.5	ug/L					
trans-1,2-Dichloroethylene	ND	0.5	ug/L					
1,2-Dichloropropane	ND	0.5	ug/L					
cis-1,3-Dichloropropylene	ND	0.5	ug/L					
trans-1,3-Dichloropropylene	ND	0.5	ug/L					
1,3-Dichloropropene, total	ND	0.5	ug/L					
Ethylbenzene	ND	0.5	ug/L					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L					
Hexane	ND	1.0	ug/L					
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L					
Methyl Isobutyl Ketone	ND	5.0	ug/L					
Methyl tert-butyl ether	ND	2.0	ug/L					
Methylene Chloride	ND	5.0	ug/L					
Styrene	ND	0.5	ug/L					
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L					
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L					
Tetrachloroethylene	ND	0.5	ug/L					
Toluene	ND	0.5	ug/L					
1,1,1-Trichloroethane	ND	0.5	ug/L					
1,1,2-Trichloroethane	ND	0.5	ug/L					
Trichloroethylene	ND	0.5	ug/L					
Trichlorofluoromethane	ND	1.0	ug/L					
Vinyl chloride	ND	0.5	ug/L					
m,p-Xylenes	ND	0.5	ug/L					
o-Xylene	ND	0.5	ug/L					
Xylenes, total	ND	0.5	ug/L					
Surrogate: 4-Bromofluorobenzene	*68.1*		*%*	*85.1*	*50-140*			
Surrogate: Dibromofluoromethane	*78.9*		*%*	*98.6*	*50-140*			
Surrogate: Toluene-d8	*79.4*		*%*	*99.3*	*50-140*			

PARACEL LABORATORIES LTD.

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Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
Cyanide, free	ND	2	ug/L	ND			NC	20	
Hydrocarbons									
F1 PHCs (C6-C10)	ND	25	ug/L	ND			NC	30	
F2 PHCs (C10-C16)	ND	100	ug/L	ND			NC	30	
F3 PHCs (C16-C34)	ND	100	ug/L	ND			NC	30	
F4 PHCs (C34-C50)	ND	100	ug/L	ND			NC	30	
Metals									
Mercury	ND	0.1	ug/L	ND			NC	20	
Antimony	ND	0.5	ug/L	ND			NC	20	
Arsenic	ND	1	ug/L	ND			NC	20	
Barium	ND	1	ug/L	ND			NC	20	
Beryllium	ND	0.5	ug/L	ND			NC	20	
Boron	ND	10	ug/L	ND			NC	20	
Cadmium	ND	0.1	ug/L	ND			NC	20	
Chromium (VI)	ND	10	ug/L	ND			NC	20	
Chromium	ND	1	ug/L	ND			NC	20	
Cobalt	ND	0.5	ug/L	ND			NC	20	
Copper	ND	0.5	ug/L	ND			NC	20	
Lead	ND	0.1	ug/L	ND			NC	20	
Molybdenum	ND	0.5	ug/L	ND			NC	20	
Nickel	ND	1	ug/L	ND			NC	20	
Selenium	ND	1	ug/L	ND			NC	20	
Silver	ND	0.1	ug/L	ND			NC	20	
Sodium	ND	200	ug/L	ND			NC	20	
Thallium	ND	0.1	ug/L	ND			NC	20	
Uranium	ND	0.1	ug/L	ND			NC	20	
Vanadium	ND	0.5	ug/L	ND			NC	20	
Zinc	ND	5	ug/L	ND			NC	20	
Volatiles									
Acetone	ND	5.0	ug/L	ND			NC	30	

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Client PO:

Project Description: 23906-001

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzene	ND	0.5	ug/L	ND			NC	30	
Bromodichloromethane	ND	0.5	ug/L	ND			NC	30	
Bromoform	ND	0.5	ug/L	ND			NC	30	
Bromomethane	ND	0.5	ug/L	ND			NC	30	
Carbon Tetrachloride	ND	0.2	ug/L	ND			NC	30	
Chlorobenzene	ND	0.5	ug/L	ND			NC	30	
Chloroform	ND	0.5	ug/L	ND			NC	30	
Dibromochloromethane	ND	0.5	ug/L	ND			NC	30	
Dichlorodifluoromethane	ND	1.0	ug/L	ND			NC	30	
1,2-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,3-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,4-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
cis-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
trans-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloropropane	ND	0.5	ug/L	ND			NC	30	
cis-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
trans-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
Ethylbenzene	ND	0.5	ug/L	ND			NC	30	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L	ND			NC	30	
Hexane	ND	1.0	ug/L	ND			NC	30	
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	ND			NC	30	
Methyl Isobutyl Ketone	ND	5.0	ug/L	ND			NC	30	
Methyl tert-butyl ether	ND	2.0	ug/L	ND			NC	30	
Methylene Chloride	ND	5.0	ug/L	ND			NC	30	
Styrene	ND	0.5	ug/L	ND			NC	30	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
Tetrachloroethylene	ND	0.5	ug/L	ND			NC	30	

PARACEL LABORATORIES LTD.

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Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Toluene	ND	0.5	ug/L	ND			NC	30	
1,1,1-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
Trichloroethylene	ND	0.5	ug/L	ND			NC	30	
Trichlorofluoromethane	ND	1.0	ug/L	ND			NC	30	
Vinyl chloride	ND	0.5	ug/L	ND			NC	30	
m,p-Xylenes	ND	0.5	ug/L	ND			NC	30	
o-Xylene	ND	0.5	ug/L	ND			NC	30	
Surrogate: 4-Bromofluorobenzene	*70.6*		*%*		*88.3*	*50-140*			
Surrogate: Dibromofluoromethane	*81.4*		*%*		*102*	*50-140*			
Surrogate: Toluene-d8	*77.3*		*%*		*96.6*	*50-140*			

PARACEL LABORATORIES LTD.

Order #: 2546559

Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
Cyanide, free	52.3	2	ug/L	ND	105	70-130			
Hydrocarbons									
F1 PHCs (C6-C10)	1850	25	ug/L	ND	107	85-115			
F2 PHCs (C10-C16)	1790	100	ug/L	ND	114	60-140			
F3 PHCs (C16-C34)	4860	100	ug/L	ND	126	60-140			
F4 PHCs (C34-C50)	2730	100	ug/L	ND	112	60-140			
Metals									
Mercury	2.69	0.1	ug/L	ND	89.5	70-130			
Antimony	36.8	0.5	ug/L	ND	73.7	80-120			QM-07
Arsenic	48.6	1	ug/L	ND	97.1	80-120			
Barium	45.6	1	ug/L	ND	91.2	80-120			
Beryllium	50.8	0.5	ug/L	ND	102	80-120			
Boron	50	10	ug/L	ND	99.4	80-120			
Cadmium	48.5	0.1	ug/L	ND	97.0	80-120			
Chromium (VI)	199	10	ug/L	ND	99.5	75-115			
Chromium	54.2	1	ug/L	ND	108	80-120			
Cobalt	50.9	0.5	ug/L	ND	102	80-120			
Copper	50.6	0.5	ug/L	ND	101	80-120			
Lead	44.1	0.1	ug/L	ND	88.1	80-120			
Molybdenum	47.3	0.5	ug/L	ND	94.6	80-120			
Nickel	50.3	1	ug/L	ND	101	80-120			
Selenium	46.6	1	ug/L	ND	93.2	80-120			
Silver	47.6	0.1	ug/L	ND	95.2	80-120			
Sodium	9200	200	ug/L	ND	90.9	80-120			
Thallium	45.6	0.1	ug/L	ND	91.1	80-120			
Uranium	46.4	0.1	ug/L	ND	92.8	80-120			
Vanadium	53.2	0.5	ug/L	ND	106	80-120			
Zinc	50	5	ug/L	ND	96.3	80-120			
Semi-Volatiles									
Acenaphthene	5.20	0.05	ug/L	ND	104	50-140			

PARACEL LABORATORIES LTD.

Order #: 2546559

Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Acenaphthylene	5.27	0.05	ug/L	ND	105	50-140			
Anthracene	5.29	0.01	ug/L	ND	106	50-140			
Benzo [a] pyrene	5.46	0.01	ug/L	ND	109	50-140			
Benzo [b] fluoranthene	5.50	0.05	ug/L	ND	110	50-140			
Benzo [g,h,i] perylene	4.97	0.05	ug/L	ND	99.4	50-140			
Benzo [k] fluoranthene	5.31	0.05	ug/L	ND	106	50-140			
Chrysene	5.97	0.05	ug/L	ND	119	50-140			
Dibenzo [a,h] anthracene	4.65	0.05	ug/L	ND	93.0	50-140			
Fluoranthene	5.64	0.01	ug/L	ND	113	50-140			
Fluorene	5.30	0.05	ug/L	ND	106	50-140			
Indeno [1,2,3-cd] pyrene	5.09	0.05	ug/L	ND	102	50-140			
1-Methylnaphthalene	5.25	0.05	ug/L	ND	105	50-140			
2-Methylnaphthalene	5.28	0.05	ug/L	ND	106	50-140			
Naphthalene	5.22	0.05	ug/L	ND	104	50-140			
Phenanthrene	5.56	0.05	ug/L	ND	111	50-140			
Pyrene	5.21	0.01	ug/L	ND	104	50-140			
Surrogate: 2-Fluorobiphenyl	*16.9*		*%*		*84.3*	*50-140*			
Surrogate: Terphenyl-d14	*17.8*		*%*		*88.9*	*50-140*			
Volatiles									
Acetone	63.8	5.0	ug/L	ND	63.8	50-140			
Benzene	29.5	0.5	ug/L	ND	73.6	60-130			
Bromodichloromethane	34.2	0.5	ug/L	ND	85.5	60-130			
Bromoform	35.6	0.5	ug/L	ND	89.0	60-130			
Bromomethane	43.0	0.5	ug/L	ND	107	50-140			
Carbon Tetrachloride	38.0	0.2	ug/L	ND	95.0	60-130			
Chlorobenzene	33.6	0.5	ug/L	ND	83.9	60-130			
Chloroform	33.2	0.5	ug/L	ND	83.0	60-130			
Dibromochloromethane	38.6	0.5	ug/L	ND	96.5	60-130			
Dichlorodifluoromethane	40.6	1.0	ug/L	ND	102	50-140			
1,2-Dichlorobenzene	34.3	0.5	ug/L	ND	85.7	60-130			
1,3-Dichlorobenzene	30.2	0.5	ug/L	ND	75.4	60-130			

PARACEL LABORATORIES LTD.

Order #: 2546559

Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
1,4-Dichlorobenzene	33.9	0.5	ug/L	ND	84.8	60-130			
1,1-Dichloroethane	37.2	0.5	ug/L	ND	93.0	60-130			
1,2-Dichloroethane	33.0	0.5	ug/L	ND	82.6	60-130			
1,1-Dichloroethylene	32.4	0.5	ug/L	ND	81.0	60-130			
cis-1,2-Dichloroethylene	36.6	0.5	ug/L	ND	91.5	60-130			
trans-1,2-Dichloroethylene	31.7	0.5	ug/L	ND	79.3	60-130			
1,2-Dichloropropane	31.4	0.5	ug/L	ND	78.5	60-130			
cis-1,3-Dichloropropylene	32.2	0.5	ug/L	ND	80.5	60-130			
trans-1,3-Dichloropropylene	36.1	0.5	ug/L	ND	90.3	60-130			
Ethylbenzene	33.2	0.5	ug/L	ND	83.0	60-130			
Ethylene dibromide (dibromoethane, 1,2-)	37.3	0.2	ug/L	ND	93.3	60-130			
Hexane	45.6	1.0	ug/L	ND	114	60-130			
Methyl Ethyl Ketone (2-Butanone)	69.0	5.0	ug/L	ND	69.0	50-140			
Methyl Isobutyl Ketone	64.3	5.0	ug/L	ND	64.3	50-140			
Methyl tert-butyl ether	72.6	2.0	ug/L	ND	72.6	50-140			
Methylene Chloride	30.9	5.0	ug/L	ND	77.2	60-130			
Styrene	37.1	0.5	ug/L	ND	92.8	60-130			
1,1,1,2-Tetrachloroethane	42.3	0.5	ug/L	ND	106	60-130			
1,1,2,2-Tetrachloroethane	31.8	0.5	ug/L	ND	79.5	60-130			
Tetrachloroethylene	40.7	0.5	ug/L	ND	102	60-130			
Toluene	30.2	0.5	ug/L	ND	75.4	60-130			
1,1,1-Trichloroethane	39.2	0.5	ug/L	ND	98.0	60-130			
1,1,2-Trichloroethane	32.4	0.5	ug/L	ND	81.1	60-130			
Trichloroethylene	37.8	0.5	ug/L	ND	94.4	60-130			
Trichlorofluoromethane	41.8	1.0	ug/L	ND	104	60-130			
Vinyl chloride	38.5	0.5	ug/L	ND	96.2	50-140			
m,p-Xylenes	62.7	0.5	ug/L	ND	78.4	60-130			
o-Xylene	31.4	0.5	ug/L	ND	78.5	60-130			
Surrogate: 4-Bromofluorobenzene	*68.5*		*%*		*85.6*	*50-140*			
Surrogate: Dibromofluoromethane	*86.3*		*%*		*108*	*50-140*			
Surrogate: Toluene-d8	*74.3*		*%*		*92.8*	*50-140*			

PARACEL LABORATORIES LTD.

Order #: 2546559

Certificate of Analysis

Report Date: 20-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 14-Nov-2025

Client PO:

Project Description: 23906-001

Qualifier Notes:

Sample Qualifiers :

1: Elevated Reporting Limits due to limited sample volume.

Applies to Samples: BH102-25, BH103B-25

QC Qualifiers:

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on other acceptable QC.

Sample Data Revisions:

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.

- F1 range corrected for BTEX.

- F2 to F3 ranges corrected for appropriate PAHs where available.

- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.

- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.

- When reported, data for F4G has been processed using a silica gel cleanup.

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

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PARACEL LABORATORIES LTD.

Paracel ID: 2546559

Paracel Order Number (Lab Use Only)	Chain Of Custody (Lab Use Only)
2546559	

Client Name: Cambium Inc.
Contact Name: Sheila Barter
Address: Unit 100, 301 Moodie Drive, Ottawa
Telephone: 705-243-1942

Project Ref: 23906-001
Quote #:
PO #:
E-mail: sheila.barter@cambium-inc.com, nurein.seif@cambium-inc.com

Page 1 of 1

Turnaround Time: ☐ 1 day ☐ 3 day ☐ 2 day ☒ Regular
Date Required:

☒ REG 153/04 ☐ REG 406/19
☐ Table 1 ☐ Agri/Other ☐ Med/Fine
☒ Table 2 ☒ Res/Park ☒ Coarse
☐ Table 3 ~~☒~~ N.S Ind/Comm
☐ Table___
For RSC: ☒ Yes ☐ No

Other Regulation: ☐ REG 558 ☐ PWQO ☐ CCME ☐ MISA ☐ SU - Sani ☐ SU - Storm
Mun:
☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analysis

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWE)	Cyanide	Chlorine		
1	BH101-25	GW		6	Y	Nov. 13, 2025	14:00	X	X	X	X							
2	BH102-25	↓		5	↓	↓	14:45	X	X	X	X							
3	BH103B-25	↓		5	↓	↓	12:40	X	X	X	X					X		
4	BH24-~~03~~ 03B	↓		10	↓	↓	~~12:40~~ 16:10	X	X	X	X	X	X		X			
5	QA/QC	↓		9	↓	↓	—	X	X	X	X	X	X		X			
6	TRIP BLANK	O		2	N	↓			X									
7																		
8																		
9																		
10																		

Comments:

Method of Delivery: Walk in

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Date/Time: Nov. 13, 2025 / 11:55	Temperature: 14.5 °C	Temperature: 6.6	pH Verified: ☐ By:

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Certificate of Analysis

Cambium Inc. (Ottawa)
102-343 Preston Street
Ottawa, ON K7K 7G3
Attn: Sheila Barter

Report Date: 25-Nov-2025
Order Date: 19-Nov-2025

Client PO:
Project: 23906-001
Custody:

Order #: 2547335

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2547335-01	BH102-25
2547335-02	BH103B-25
2547335-03	QA/QC-2

Approved By: A. Tirca

Adriana Tirca, B.Eng (Chem)
Supervisor

PARACEL LABORATORIES LTD.

Order #: 2547335

Certificate of Analysis

Report Date: 25-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 19-Nov-2025

Client PO:

Project Description: 23906-001

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Anions	EPA 300.1 - IC	24-Nov-25	24-Nov-25
REG 153: PAHs by GC-MS	EPA 625 - GC-MS, extraction	24-Nov-25	24-Nov-25

PARACEL LABORATORIES LTD.

Order #: 2547335

Certificate of Analysis

Report Date: 25-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 19-Nov-2025

Client PO:

Project Description: 23906-001

Summary of Criteria Exceedances

If this page is blank, then there are no exceedances

Regulatory Comparison:

Paracel Laboratories has provided regulatory guidelines on this report for informational purposes only and makes no representations or warranties that the data is accurate or reflects the current regulatory values. The user is advised to consult with the appropriate official regulations to evaluate compliance. Sample results that are highlighted in red have exceeded the selected regulatory limit. A blue highlight represents a non-detect result with a reporting limit that exceeds the selected regulatory limit. Calculated uncertainty estimations have not been applied for determining regulatory exceedances.

Sample	Analyte	MDL / Units	Result	Reg 153/04 -T2 Potable Groundwater, coarse	-
BH103B-25	Chloride	1 mg/L	3920	790000 ug/L	-
QA/QC-2	Chloride	1 mg/L	3940	790000 ug/L	-

PARACEL LABORATORIES LTD.

Order #: 2547335

Certificate of Analysis

Report Date: 25-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 19-Nov-2025

Client PO:

Project Description: 23906-001

	Client ID:	BH102-25	BH103B-25	QA/QC-2	-	**Criteria:**	
	Sample Date:	19-Nov-25 11:20	19-Nov-25 10:50	19-Nov-25 09:00	-	**Reg 153/04 -T2 Potable Groundwater, coarse**	-
	Sample ID:	2547335-01	2547335-02	2547335-03	-		
	Matrix:	Ground Water	Ground Water	Ground Water	-		
	MDL/Units						
Anions							
Chloride	1 mg/L	-	3920	3940	-	790000 ug/L	-
Semi-Volatiles							
Acenaphthene	0.05 ug/L	<0.05	<0.05	-	-	-	-
Acenaphthylene	0.05 ug/L	<0.05	<0.05	-	-	-	-
Anthracene	0.01 ug/L	<0.01	<0.01	-	-	2.4 ug/L	-
Benzo [a] anthracene	0.01 ug/L	<0.01	<0.01	-	-	1 ug/L	-
Benzo [a] pyrene	0.01 ug/L	<0.01	<0.01	-	-	0.01 ug/L	-
Benzo [b] fluoranthene	0.05 ug/L	<0.05	<0.05	-	-	0.1 ug/L	-
Benzo [g,h,i] perylene	0.05 ug/L	<0.05	<0.05	-	-	0.2 ug/L	-
Benzo [k] fluoranthene	0.05 ug/L	<0.05	<0.05	-	-	0.1 ug/L	-
Chrysene	0.05 ug/L	<0.05	<0.05	-	-	0.1 ug/L	-
Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	<0.05	-	-	0.2 ug/L	-
Fluoranthene	0.01 ug/L	<0.01	<0.01	-	-	0.41 ug/L	-
Fluorene	0.05 ug/L	<0.05	<0.05	-	-	120 ug/L	-
Indeno [1,2,3-cd] pyrene	0.05 ug/L	<0.05	<0.05	-	-	-	-
1-Methylnaphthalene	0.05 ug/L	<0.05	<0.05	-	-	-	-
2-Methylnaphthalene	0.05 ug/L	<0.05	<0.05	-	-	-	-
Methylnaphthalene (1&2)	0.10 ug/L	<0.10	<0.10	-	-	-	-
Naphthalene	0.05 ug/L	<0.05	<0.05	-	-	-	-
Phenanthrene	0.05 ug/L	<0.05	<0.05	-	-	-	-
Pyrene	0.01 ug/L	<0.01	<0.01	-	-	4.1 ug/L	-
2-Fluorobiphenyl	Surrogate	95.1%	83.8%	-	-	-	-
Terphenyl-d14	Surrogate	103%	89.1%	-	-	-	-

PARACEL LABORATORIES LTD.

Order #: 2547335

Certificate of Analysis

Report Date: 25-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 19-Nov-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Anions								
Chloride	ND	1	mg/L					
Semi-Volatiles								
Acenaphthene	ND	0.05	ug/L					
Acenaphthylene	ND	0.05	ug/L					
Anthracene	ND	0.01	ug/L					
Benzo [a] anthracene	ND	0.01	ug/L					
Benzo [a] pyrene	ND	0.01	ug/L					
Benzo [b] fluoranthene	ND	0.05	ug/L					
Benzo [g,h,i] perylene	ND	0.05	ug/L					
Benzo [k] fluoranthene	ND	0.05	ug/L					
Chrysene	ND	0.05	ug/L					
Dibenzo [a,h] anthracene	ND	0.05	ug/L					
Fluoranthene	ND	0.01	ug/L					
Fluorene	ND	0.05	ug/L					
Indeno [1,2,3-cd] pyrene	ND	0.05	ug/L					
1-Methylnaphthalene	ND	0.05	ug/L					
2-Methylnaphthalene	ND	0.05	ug/L					
Methylnaphthalene (1&2)	ND	0.10	ug/L					
Naphthalene	ND	0.05	ug/L					
Phenanthrene	ND	0.05	ug/L					
Pyrene	ND	0.01	ug/L					
Surrogate: 2-Fluorobiphenyl	*16.4*		*%*	*81.9*	*50-140*			
Surrogate: Terphenyl-d14	*18.6*		*%*	*92.8*	*50-140*			

PARACEL LABORATORIES LTD.

Order #: 2547335

Certificate of Analysis

Report Date: 25-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 19-Nov-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Anions									
Chloride	65.4	1	mg/L	65.8			0.6	20	

PARACEL LABORATORIES LTD.

Order #: 2547335

Certificate of Analysis

Report Date: 25-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 19-Nov-2025

Client PO:

Project Description: 23906-001

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Anions									
Chloride	74.2	1	mg/L	65.8	84.2	70-124			
Semi-Volatiles									
Acenaphthene	5.22	0.05	ug/L	ND	104	50-140			
Acenaphthylene	5.43	0.05	ug/L	ND	109	50-140			
Anthracene	5.26	0.01	ug/L	ND	105	50-140			
Benzo [a] anthracene	6.00	0.01	ug/L	ND	120	50-140			
Benzo [a] pyrene	5.20	0.01	ug/L	ND	104	50-140			
Benzo [b] fluoranthene	5.50	0.05	ug/L	ND	110	50-140			
Benzo [g,h,i] perylene	5.35	0.05	ug/L	ND	107	50-140			
Benzo [k] fluoranthene	6.44	0.05	ug/L	ND	129	50-140			
Chrysene	5.12	0.05	ug/L	ND	102	50-140			
Dibenzo [a,h] anthracene	3.88	0.05	ug/L	ND	77.5	50-140			
Fluoranthene	5.44	0.01	ug/L	ND	109	50-140			
Fluorene	5.13	0.05	ug/L	ND	103	50-140			
Indeno [1,2,3-cd] pyrene	5.15	0.05	ug/L	ND	103	50-140			
1-Methylnaphthalene	5.56	0.05	ug/L	ND	111	50-140			
2-Methylnaphthalene	5.43	0.05	ug/L	ND	109	50-140			
Naphthalene	5.07	0.05	ug/L	ND	101	50-140			
Phenanthrene	5.09	0.05	ug/L	ND	102	50-140			
Pyrene	5.44	0.01	ug/L	ND	109	50-140			
Surrogate: 2-Fluorobiphenyl	*16.3*		*%*		*81.7*	*50-140*			
Surrogate: Terphenyl-d14	*17.6*		*%*		*88.2*	*50-140*			

PARACEL LABORATORIES LTD.

Order #: 2547335

Certificate of Analysis

Report Date: 25-Nov-2025

Client: **Cambium Inc. (Ottawa)**

Order Date: 19-Nov-2025

Client PO:

Project Description: 23906-001

Qualifier Notes:

Sample Data Revisions:

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

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PARACEL LABORATORIES LTD.

Paracel ID: 2547335

Paracel Order Number (Lab Use Only)	Chain Of Custody (Lab Use Only)
2547335	

Client Name: Cambium Inc.	Project Ref: 23406-001	Page 1 of 1
Contact Name: Sheila Barter	Quote #:	Turnaround Time
Address: Unit 100, 301 Moodie Drive, Ottawa	PO #:	☐ 1 day ☐ 3 day
	E-mail: sheila.barter@cambium-inc.com nurein.seif	☐ 2 day ☒ Regular
Telephone: 705-243-1942		Date Required:

☒ REG 153/04 ☐ REG 406/19

☐ Table 1 ☐ Agri/Other ☐ Med/Fine
☒ Table 2 ☒ Res/Park ☒ Coarse
☐ Table 3 ☐ Ind/Comm
☐ Table ___
For RSC: ☒ Yes ☐ No

Other Regulation: ☐ REG 558 ☐ PWQO ☐ CCME ☐ MISA ☐ SU - Sani ☐ SU - Storm Mun: ___ ☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analysis

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWE)	Chloride			
1	BH02-25	GW		1	N	NOV. 19, 2025	11:20			X								
2	BH03B-25	↓		2	↓	↓	10:50			X					X			
3	QA/QC-2	↓		1	↓	↓	—								X			
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Comments:

Method of Delivery: Walk in

Unless otherwise negotiated by the parties, by signing Paracel's Chain of Custody form, you are agreeing to Paracel Laboratories Terms and Conditions and are subject to the terms and conditions thereof. Available at www.paracellabs.com

Relinquished By (Sign):	Received at Depot: 1154	Received at Lab: JM	Verified By:
Relinquished By (Print): NUREIN SEIF	Date/Time: NOV 19	Date/Time: NOV 19 1555	Date/Time: Nov 20 9:16
Date/Time: Nov. 19, 2025 / 11:50	Temperature: 11.6 °C	Temperature: 8.3	pH Verified: ☐ By: NA