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**Telephone**
(866) 217.7900
(705) 742.7900

**Website**
cambium-inc.com

**Mailing Address**
P.O. Box 325,
Peterborough, Ontario
Canada, K9J 6Z3

**Locations**
Peterborough
Kingston
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**Laboratory**
Peterborough

Professional Engineers Ontario

APGO

May 13, 2024

Landscape Planning
95 Mural Street, Unit 207
Richmond Hill, Ontario
L4B 3G2

Attn: Paul Gardner

**Re: Excess Soil Characterization – Cassie Campbell Community Centre**
**Cambium Reference: 19060-001**

Dear Mr. Gardner,

Cambium Inc. (Cambium) was retained by Landscape Planning to characterize excess in-situ soil at the existing soccer fields at the Cassie Campbell Community Centre, located at 1050 Sandalwood Parkway West in Brampton, Ontario ('Site' or 'Project Area'; Figure 1). The soil characterization was completed in support of the proposed construction of a field hockey dome. It is estimated that 5,860 $m^3$ of excess soil will be generated from the Site.

The excess soil characterization involved soil sampling and analysis to assess environmental quality, including the presence of contaminants and their respective concentration relative to regulatory standards.

The methodology for the excess soil characterization was based on the requirements of Ontario Regulation (O.Reg.) 406/19 and the associated document "Rules for Soil Management and Excess Soil Quality Standards".

The scope of work falls under O.Reg. 406/19 Section 8 (1.1), with the following applicable: the Project Leader confirms the Site is not and has never been, in whole or part, an enhanced investigation project area; the purpose of the project is not to remediate contaminated land; and the location is parkland land use. Based on this exemption, an Assessment of Past Uses, Sampling and Analysis Plan, and Excess Soil Destination Assessment Report were not prepared.

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Soil samples were submitted for analysis of the following minimum required contaminants of potential concern (COPCs) as outlined in the regulation:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX)
- Petroleum hydrocarbons fractions F1 to F4 (PHCs)
- Metals and hydride-forming metals
- Sodium adsorption ratio (SAR), electrical conductivity (EC), and pH

**Methodology**

The methodology for the excess soil characterization was developed by a qualified person (QP) based on the requirements of O.Reg. 406/19.

Cambium personnel conducted the soil sampling on November 14 and 15, 2023, concurrently with a Geotechnical Investigation, and subsequently on February 20, and April 11, 2024, for additional delineation sampling at BH101 and BH201.

In November 2023, Cambium oversaw the advancement of 18 boreholes by Drilltech Drilling Ltd for a concurrent geotechnical investigation. A total of 13 boreholes, advanced within the subject soil volume source, were utilized to collect excess soil characterization samples. Refer to Figure 2 for the sampling locations. Seven boreholes were advanced to a depth of about 5.0 m below ground surface (bgs), while the remaining 12 boreholes were terminated at about 2.0 mbgs.

In February 2024, Cambium oversaw the advancement of seven boreholes (BH201 to BH207) to 2.0 mbgs by Ace Environmental Drilling. These boreholes were located in close proximity to BH101 and soil samples were collected from each borehole at 1.5 to 2.1 mbgs for potential analysis for delineation purposes, and one sample was collect from 2.1 to 3.0 mbgs. Only the soil samples from BH201 were analyzed.

In April 2024, Cambium oversaw the advancement of nine boreholes (BH301 to BH303 and BH401 to BH406) to 3.0 mbgs by Ace Environmental Drilling. These boreholes were located in close proximity to BH101 and BH201 and soil samples were collected from each borehole at 2.4 to 3.0 mbgs for potential analysis for

delineation purposes. Only the soil sample from BH301 to BH303 and BH401 to BH403 were analyzed.

The proposed maximum depth of excavation that will generate excess soil is approximately 2.1 mbgs for dome construction; however, some utilities may extend deeper.

Cambium proposed to complete the due diligence sampling at a rate of approximately 40% of the regulatory frequency (one sample per 500 $m^3$). Therefore, Cambium collected 12 soil samples plus 2 duplicate samples for the COPCs during the initial soil sampling program in November 2023 (100 series boreholes). During the subsequent delineation program (February and April 2024), eight additional soil samples from the 200, 300, and 400 series boreholes were analyzed for BTEX.

Soil was examined for soil type, moisture content, presence of deleterious material, odour, and visual evidence of impacts such as staining. The borehole logs are attached. Select soil samples were submitted for analysis of the COPCs, as outlined in Embedded Table 1 below:

***Embedded Table 1 Soil Samples Submitted for Chemical Testing***

| Borehole ID | Depth (mbgs) | BTEX | PHC | Metals | EC | SAR | pH |
|---|---|---|---|---|---|---|---|
| BH101 | 1.5 – 2.1 | X | X | X | X | X | X |
| BH201[1] | 1.5 – 2.1 | X | - | - | - | - | - |
| BH201[1] | 2.1 – 3.0 | X | - | - | - | - | - |
| BH301[2] | 2.4 – 3.0 | X | - | - | - | - | - |
| BH302[2] | 2.4 – 3.0 | X | - | - | - | - | - |
| BH303[2] | 2.4 – 3.0 | X | - | - | - | - | - |
| BH102 | 0.2 – 0.6 | X | X | X | X | X | X |
| BH103 | 1.5 – 2.1 | X | X | X | X | X | X |
| BH104 | 2.3 – 2.7 | X | X | X | X | X | X |
| BH105 | 3.0 – 3.6 | X | X | X | X | X | X |
| BH106 | 1.5 – 2.1 | X | X | X | X | X | X |
| BH107 | 2.3 – 2.7 | X | X | X | X | X | X |
| BH110 | 0.2 – 0.6 | X | X | X | X | X | X |
| BH111 | 0.8 – 1.4 | X | X | X | X | X | X |
| BH113 | 0.2 – 0.6 | X | X | X | X | X | X |
| BH115 | 0.8 – 1.4 | X | X | X | X | X | X |
| BH116 | 0.8 – 1.4 | X | X | X | X | X | X |
| BH401[3] | 2.4 – 3.0 | X | - | - | - | - | - |

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May 13, 2024

| Borehole ID | Depth (mbgs) | BTEX | PHC | Metals | EC | SAR | pH |
|---|---|---|---|---|---|---|---|
| BH402[3] | 2.4 – 3.0 | X | - | - | - | - | - |
| BH403[3] | 2.4 – 3.0 | X | - | - | - | - | - |

*1 – Boreholes advanced to average BTEX concentrations in BH101.*
*2 – Boreholes advanced to average BTEX concentrations in BH201.*
*3 – Boreholes advanced to delineate BTEX concentrations in BH201.*

Quality control duplicate samples, QAQC1 (BH103_1.5-2.1) and QAQC2 (BH106_1.5-2.1) were analyzed as part of a Quality Assurance/Quality Control (QA/QC) program.

The soil samples were submitted to Paracel Laboratories Ltd., a Canadian Association of Laboratory Accreditation Inc. (CALA) accredited analytical laboratory in Ontario.

## Results

No odours, staining, deleterious material, or elevated vapours were noted in the soil samples. Groundwater was not encountered within the boreholes.

Soil analysis results were compared to the volume independent generic excess soil quality standards (ESQS) For Excess Soil Reuse in Appendix 1 of the *Rules for Soil Management and Excess Soil Quality Standards*.

As a receiving site had not yet been determined, analysis results were compared to the Table 1 ESQS for both agricultural or other (AO), and residential, parkland, institutional, industrial, commercial, community (RPIICC) property use, Table 2.1 for AO, residential, parkland, institutional (RPI), and industrial, commercial, community (ICC) property use, and Table 3.1 RPI and ICC property use. The results are summarized in Embedded Table 2 below, and the original laboratory Certificates of Analysis are attached, with results compared to Table 1 RPIICC standards.

The following is a summary of the excess soil quality standards that are met based on the analysis.

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***Embedded Table 2 Excess Soil Quality Standards Met***

| Sample ID | Sample Depth (mbgs) | Table 1 (AO) | Table 1 (RPIICC) | Table 2.1 (AO) | Table 2.1 (RPI) | Table 2.1 (ICC) | Table 3.1 (RPI) | Table 3.1 (ICC) |
|---|---|---|---|---|---|---|---|---|
| BH101 | 1.5 – 2.1 | ✓1 | ✓1 | ✓1 | ✓1 | ✓1 | ✓ | ✓ |
| BH201 (BTEX only) | 1.5 – 2.1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 2.1 – 3.0 | ✓2 | ✓2 | ✓2 | ✓2 | ✓2 | ✓ | ✓ |
| BH301 (BTEX only) | 2.4 – 3.0 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH302 (BTEX only) | 2.4 – 3.0 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH303 (BTEX only) | 2.4 – 3.0 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH102 | 0.2 – 0.6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH103 | 1.5 – 2.1 | ✓* | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH104 | 2.3 – 2.7 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH105 | 3.0 – 3.6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH106 | 1.5 – 2.1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH107 | 2.3 – 2.7 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH110 | 0.2 – 0.6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH111 | 0.8 – 1.4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH113 | 0.2 – 0.6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH115 | 0.8 – 1.4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH116 | 0.8 – 1.4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH401 (BTEX only) | 2.4 – 3.0 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH402 (BTEX only) | 2.4 – 3.0 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BH403 (BTEX only) | 2.4 – 3.0 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

✗ *exceeds standard* ✓ *meets standard* ✓* *exceeds for SAR and/or EC only*

*1 - Toluene* meets standard by averaging with BH201 from 1.5 to 2.1 mbgs

*2 - Toluene* meets standard by averaging with BH301 to BH303 from 2.4 to 3.0 mbgs

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May 13, 2024

BH201 was completed in the same location as BH101 (i.e. within 2 m) and was sampled from the same depth (1.5 to 2.1 mbgs) as BH101. The results for toluene from BH101 and BH201 were averaged in accordance with the Single Point Compliance Method (Section B, Part 2, subsection 3, paragraph 9 of the Soil Rules). The average concentration of toluene meets the Table 1 AO ESQS and is therefore not considered an exceedance.

BH301 to BH303 were completed in the same location as BH201 (i.e. within 2 m) and were sampled from a representative overlapping sampling interval (2.1 to 3.0 mbgs in BH201 and 2.4 to 3.0 mbgs in BH301 to BH303). The variation in sampling intervals was due to the use of a direct push sampler (BH201) and split spoon sampling system (BH301 to BH303). The results for toluene from BH201 and BH301 to BH303 were averaged in accordance with the Single Point Compliance Method. The average concentration of toluene meets the Table 1 AO ESQS and is therefore not considered an exceedance.

A complete summary of the analytical results with comparison to the selected ESQS is included in appended Table 1.

**Quality Assurance and Quality Control Results**

Two quality control duplicate samples were analyzed as part of a Quality Assurance/Quality Control (QA/QC) program. The blind duplicate soil samples were submitted from BH103 from 1.5-2.1 mbgs (QAQC1) and BH106 from 1.5-2.1 mbgs (QAQC2).

Where analytical parameters were detected in both the parent and the duplicate samples at concentrations greater than five times the laboratory reported detection limit (RDL), relative percent difference (RPD) was calculated to assess the precision of the results. RPD between was calculated as follows:

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

Where: $x_1$ = parent sample result
$x_2$ = duplicate sample result
$x_m$ = arithmetic mean of parent and duplicate sample results

RPD are generally more sensitive at low parameter concentrations; as such, RPD is not calculated when the parameter concentration if the parent and/or duplicate sample is less than five times the laboratory RDL.

The calculated RPD results were compared to data quality objectives (DQOs) of 50% for soil. These DQOs are accepted by the Ministry.

The calculated RPDs met the DQOs for all parameters and therefore the results are considered suitable for use in evaluating soil quality at the Site. The RPDs are listed in appended Table 1.

**Recommendations**

The following reuse options are available for the soil in the Project Area:

- Reuse on-site as backfill or for re-grading, under the guidance of a QP and as approved by a geotechnical engineer.
- Reuse off-site at a Table 1 (AO, RPIIICC), Table 2.1 (AO, RPI, or ICC), or Table 3.1 (RPI or ICC) receiving site in accordance with the salt-impacted excess soil rules (if Table 1 AO only at BH103), under the guidance of the receiving site's QP, and subject to applicable municipal fill bylaws.

Recommendations provided herein are based solely on the analysis of samples obtained and do not represent acceptance or suitability of this material on behalf of an intended receiving site. Should conditions encountered during excavation vary from those described in this report, Cambium should be notified to evaluate the need for further work.

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May 13, 2024

## Closing

We trust that this report meets your requirements. Should you have any questions or concerns regarding any aspect of this report, or should you require any further assistance, please do not hesitate to contact our office.

Best regards,

**Cambium Inc.**

DocuSigned by:
LFitzgerald
422DC6BAA41B4EA...

Laura Fitzgerald, M.Sc.
Project Manager

DS

LICENSED PROFESSIONAL ENGINEER
C. R. EDGINGTON
100218829
PROVINCE OF ONTARIO

2024-11-12

DocuSigned by:
C. Edgington
0B6FFABDF7034AD...

Curtis Edgington, P.Eng., QP$_{ESA}$
Project Manager - Qualified Person

*kl/LF/ce*

*Encl.* *Cambium Qualifications and Limitations*
*Figure 1– Site Location Plan*
*Figure 2 – Sample Locations*
*Laboratory Certificate of Analysis*
*Borehole Logs*
*Table 1 – Soil Quality Summary*

*P:\19000 to 19099\19060-001 Landscape Plng - GEO - Cassie Campbell Cmmnty Cntr\Deliverables\REPORT - SCR\Final\2024-05-13 SCR Cassie Campbell CC.docx*

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May 13, 2024

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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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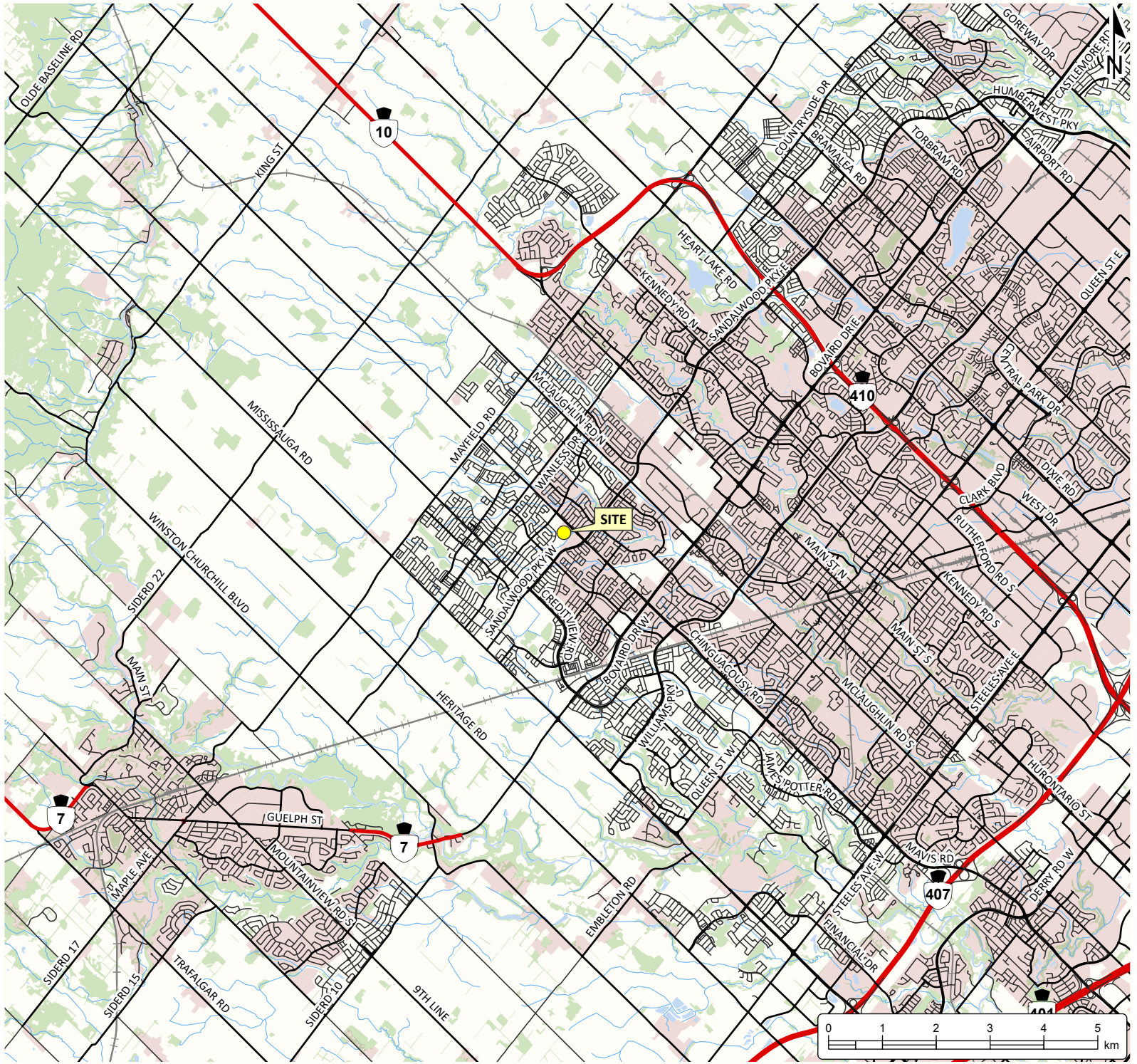
Personal Liability

The client expressly agrees that Cambium employees shall have no personal liability to the client with respect to a claim, whether in contract, tort and/or other cause of action in law. Furthermore, the client agrees that it will bring no proceedings nor take any action in any court of law against Cambium employees in their personal capacity.




# SOIL CHARACTERIZATION REPORT

LANDSCAPE PLANNING LTD
1050 Sandalwood Parkway West
Brampton, Ontario

**LEGEND**

- Highway
- Major Road
- Minor Road
- Railway
- Watercourse
- Water Area
- First Nations Reserve
- Provincial Park
- Wooded Area
- Built Up Area

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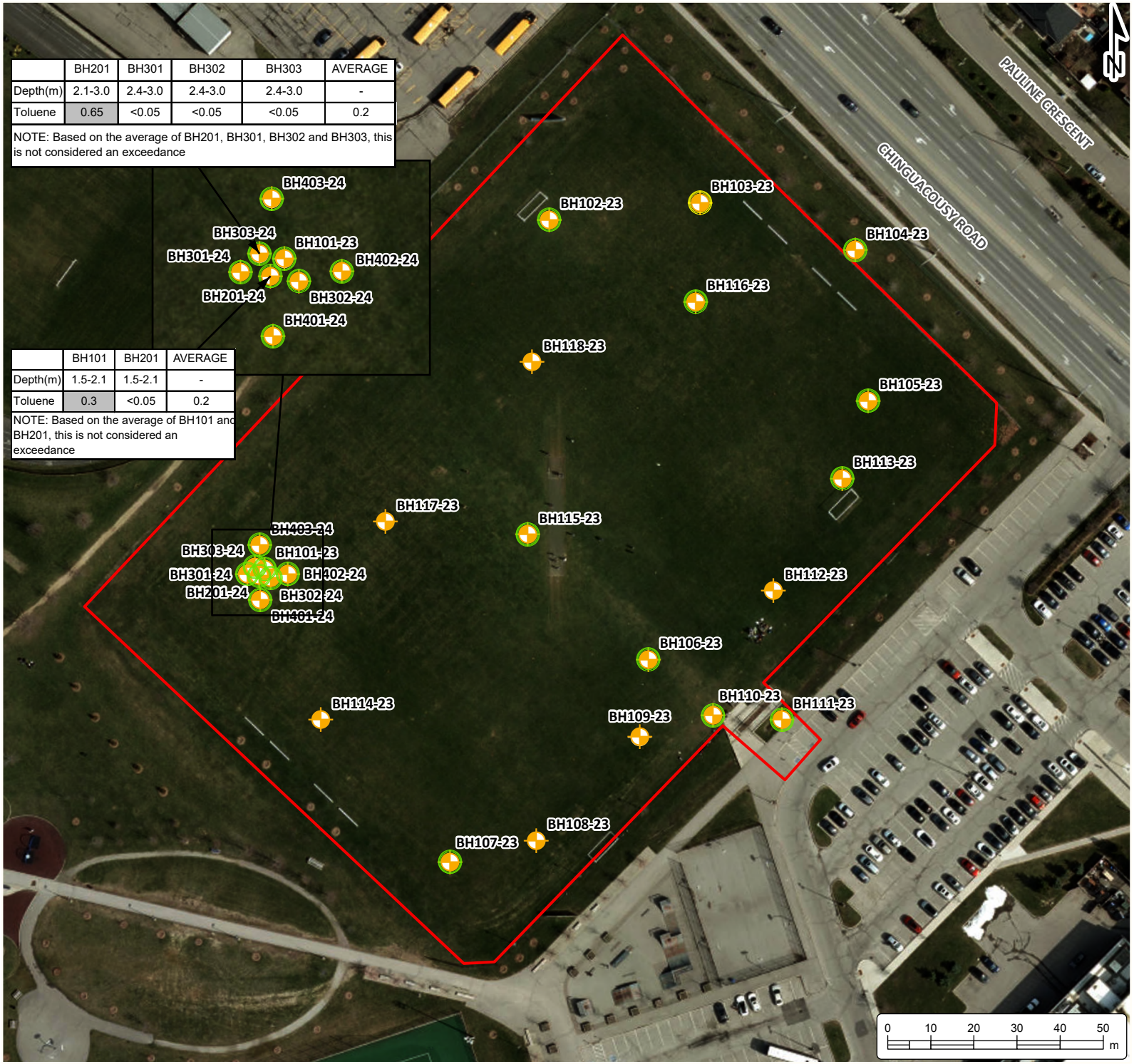
194 Sophia Street
Peterborough, Ontario, K9H 1E5
Tel: (705) 742.7900 Fax: (705) 742.7907
www.cambium-inc.com

## SITE LOCATION PLAN

| | | | |
|---|---|---|---|
| Project No.: 19060-001 | | Date: March 2024 | Rev.: |
| Scale: 1:100,000 | | Projection: NAD 1983 UTM Zone 17N | |
| Created by: DBB | Checked by: LF | Figure: 1 | |

O:\GIS\MXDs\19000-19099\19060-001 Landscape Planning Ltd - GEO - Cassie Campbell Community Centre\2024-01-15 SCR.aprx




| | BH201 | BH301 | BH302 | BH303 | AVERAGE |
|---|---|---|---|---|---|
| Depth(m) | 2.1-3.0 | 2.4-3.0 | 2.4-3.0 | 2.4-3.0 | - |
| Toluene | 0.65 | <0.05 | <0.05 | <0.05 | 0.2 |

NOTE: Based on the average of BH201, BH301, BH302 and BH303, this is not considered an exceedance

| | BH101 | BH201 | AVERAGE |
|---|---|---|---|
| Depth(m) | 1.5-2.1 | 1.5-2.1 | - |
| Toluene | 0.3 | <0.05 | 0.2 |

NOTE: Based on the average of BH101 and BH201, this is not considered an exceedance

# SOIL CHARACTERIZATION REPORT

LANDSCAPE PLANNING LTD
1050 Sandalwood Parkway West
Brampton, Ontario

## LEGEND

- Borehole
- Meets Table 1, 2.1 and 3.1 standards
- Meets Table 1, 2.1 and 3.1 standards, with the exception of salt-related impact
- Exceeds Table 1 and 2.1 standards
- Project Area

| Toluene Standards | |
|---|---|
| Table 1 AO | 0.2 |
| Table 1 RPIICC | 0.2 |
| Table 2.1 AO | 0.2 |
| Table 2.1 RPI | 0.2 |
| Table 2.1 ICC | 0.2 |
| Table 3.1 RPI | 0.99 |
| Table 3.1 ICC | 7.8 |

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

## BOREHOLE LOCATION PLAN

| | | | |
|---|---|---|---|
| Project No.: 19060-001 | | Date: May 2024 | Rev.: |
| Scale: 1:1,250 | | Projection: | |
| Created by: DBB | Checked by: LF | Figure: 2 | |

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Your P.O. #: 19060-001
Your Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE
CRICKET FIELD
Your C.O.C. #: N/A

**Attention: Laura Fitzgerald**

Cambium Environmental Inc
194 Sophia Street
PO Box 325
Peterborough, ON
CANADA K9H 1E5

**Report Date: 2023/11/23**
Report #: R7924759
Version: 1 - Final

# CERTIFICATE OF ANALYSIS

**BUREAU VERITAS JOB #: C3AA541**
**Received: 2023/11/16, 14:23**

Sample Matrix: Soil
# Samples Received: 14

| Analyses | Quantity | Date Extracted | Date Analyzed | Laboratory Method | Analytical Method |
|---|---|---|---|---|---|
| Conductivity | 14 | 2023/11/21 | 2023/11/21 | CAM SOP-00414 | OMOE E3530 v1 m |
| Petroleum Hydrocarbons F2-F4 in Soil (1) | 14 | 2023/11/20 | 2023/11/20 | CAM SOP-00316 | CCME CWS m |
| Acid Extractable Metals by ICPMS | 14 | 2023/11/21 | 2023/11/21 | CAM SOP-00447 | EPA 6020B m |
| Moisture | 14 | N/A | 2023/11/17 | CAM SOP-00445 | Carter 2nd ed 51.2 m |
| pH CaCl2 EXTRACT | 14 | 2023/11/21 | 2023/11/21 | CAM SOP-00413 | EPA 9045 D m |
| Sodium Adsorption Ratio (SAR) | 1 | N/A | 2023/11/21 | CAM SOP-00102 | EPA 6010C |
| Sodium Adsorption Ratio (SAR) | 12 | N/A | 2023/11/22 | CAM SOP-00102 | EPA 6010C |
| Sodium Adsorption Ratio (SAR) | 1 | N/A | 2023/11/23 | CAM SOP-00102 | EPA 6010C |
| Volatile Organic Compounds and F1 PHCs | 10 | N/A | 2023/11/19 | CAM SOP-00230 | EPA 8260C m |
| Volatile Organic Compounds and F1 PHCs | 4 | N/A | 2023/11/20 | CAM SOP-00230 | EPA 8260C m |

**Remarks:**

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

Your P.O. #: 19060-001
Your Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE
CRICKET FIELD
Your C.O.C. #: N/A

**Attention: Laura Fitzgerald**

Cambium Environmental Inc
194 Sophia Street
PO Box 325
Peterborough, ON
CANADA K9H 1E5

**Report Date: 2023/11/23**
Report #: R7924759
Version: 1 - Final

# CERTIFICATE OF ANALYSIS

**BUREAU VERITAS JOB #: C3AA541**

**Received: 2023/11/16, 14:23**

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

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

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Christine Gripton, Senior Project Manager
Email: Christine.Gripton@bureauveritas.com
Phone# (519)652-9444

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

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

| Bureau Veritas ID | | | XPW780 | XPW781 | XPW782 | XPW783 | XPW784 | | |
|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/14 | 2023/11/14 | 2023/11/14 | 2023/11/14 | 2023/11/14 | | |
| COC Number | | | N/A | N/A | N/A | N/A | N/A | | |
| | UNITS | Criteria | BH101_1.5-2.1 | BH102_0.2-0.6 | BH103_1.5-2.1 | BH106_1.5-2.1 | BH107_2.3-2.7 | RDL | QC Batch |
| **Volatile Organics** | | | | | | | | | |
| Benzene | ug/g | 0.02 | <0.0060 | <0.0060 | <0.0060 | <0.0060 | <0.0060 | 0.0060 | 9056403 |
| Ethylbenzene | ug/g | 0.05 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | 0.010 | 9056403 |
| Toluene | ug/g | 0.2 | **0.30** | <0.020 | <0.020 | <0.020 | 0.037 | 0.020 | 9056403 |
| p+m-Xylene | ug/g | - | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 9056403 |
| o-Xylene | ug/g | - | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 9056403 |
| Total Xylenes | ug/g | 0.05 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 9056403 |
| F1 (C6-C10) | ug/g | 25 | <10 | <10 | <10 | <10 | <10 | 10 | 9056403 |
| F1 (C6-C10) - BTEX | ug/g | 25 | <10 | <10 | <10 | <10 | <10 | 10 | 9056403 |
| **F2-F4 Hydrocarbons** | | | | | | | | | |
| F2 (C10-C16 Hydrocarbons) | ug/g | 10 | <10 | <10 | <10 | <10 | <10 | 10 | 9059173 |
| F3 (C16-C34 Hydrocarbons) | ug/g | 240 | <50 | <50 | <50 | <50 | <50 | 50 | 9059173 |
| F4 (C34-C50 Hydrocarbons) | ug/g | 120 | <50 | <50 | <50 | <50 | <50 | 50 | 9059173 |
| Reached Baseline at C50 | ug/g | - | Yes | Yes | Yes | Yes | Yes | | 9059173 |
| **Surrogate Recovery (%)** | | | | | | | | | |
| o-Terphenyl | % | - | 92 | 91 | 94 | 89 | 92 | | 9059173 |
| 4-Bromofluorobenzene | % | - | 95 | 95 | 96 | 96 | 95 | | 9056403 |
| D10-o-Xylene | % | - | 89 | 91 | 89 | 87 | 89 | | 9056403 |
| D4-1,2-Dichloroethane | % | - | 104 | 104 | 106 | 106 | 105 | | 9056403 |
| D8-Toluene | % | - | 90 | 92 | 90 | 89 | 90 | | 9056403 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards, Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use



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

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

| Bureau Veritas ID | | | XPW785 | XPW786 | XPW787 | XPW788 | XPW789 | | |
|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/14 | 2023/11/14 | 2023/11/14 | 2023/11/14 | 2023/11/15 | | |
| COC Number | | | N/A | N/A | N/A | N/A | N/A | | |
| | UNITS | Criteria | BH111_0.8-1.4 | BH115_0.8-1.4 | QAQC1 | QAQC2 | BH113_0.2-0.6 | RDL | QC Batch |
| **Volatile Organics** | | | | | | | | | |
| Benzene | ug/g | 0.02 | <0.0060 | <0.0060 | <0.0060 | <0.0060 | <0.0060 | 0.0060 | 9056403 |
| Ethylbenzene | ug/g | 0.05 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | 0.010 | 9056403 |
| Toluene | ug/g | 0.2 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 9056403 |
| p+m-Xylene | ug/g | - | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 9056403 |
| o-Xylene | ug/g | - | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 9056403 |
| Total Xylenes | ug/g | 0.05 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.020 | 9056403 |
| F1 (C6-C10) | ug/g | 25 | <10 | <10 | <10 | <10 | <10 | 10 | 9056403 |
| F1 (C6-C10) - BTEX | ug/g | 25 | <10 | <10 | <10 | <10 | <10 | 10 | 9056403 |
| **F2-F4 Hydrocarbons** | | | | | | | | | |
| F2 (C10-C16 Hydrocarbons) | ug/g | 10 | <10 | <10 | <10 | <10 | <10 | 10 | 9059173 |
| F3 (C16-C34 Hydrocarbons) | ug/g | 240 | 66 | <50 | <50 | <50 | <50 | 50 | 9059173 |
| F4 (C34-C50 Hydrocarbons) | ug/g | 120 | <50 | <50 | <50 | <50 | <50 | 50 | 9059173 |
| Reached Baseline at C50 | ug/g | - | Yes | Yes | Yes | Yes | Yes | | 9059173 |
| **Surrogate Recovery (%)** | | | | | | | | | |
| o-Terphenyl | % | - | 90 | 92 | 93 | 88 | 92 | | 9059173 |
| 4-Bromofluorobenzene | % | - | 91 | 93 | 95 | 96 | 95 | | 9056403 |
| D10-o-Xylene | % | - | 96 | 96 | 88 | 94 | 88 | | 9056403 |
| D4-1,2-Dichloroethane | % | - | 108 | 107 | 105 | 106 | 107 | | 9056403 |
| D8-Toluene | % | - | 92 | 93 | 90 | 91 | 89 | | 9056403 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards, Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

| Bureau Veritas ID | | | XPW789 | | | XPW790 | | | XPW790 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/15 | | | 2023/11/15 | | | 2023/11/15 | | |
| COC Number | | | N/A | | | N/A | | | N/A | | |
| | UNITS | Criteria | BH113_0.2-0.6 Lab-Dup | RDL | QC Batch | BH104_2.3-2.7 | RDL | QC Batch | BH104_2.3-2.7 Lab-Dup | RDL | QC Batch |
| **Volatile Organics** | | | | | | | | | | | |
| Benzene | ug/g | 0.02 | | | | <0.0060 | 0.0060 | 9056403 | <0.0060 | 0.0060 | 9056403 |
| Ethylbenzene | ug/g | 0.05 | | | | <0.010 | 0.010 | 9056403 | <0.010 | 0.010 | 9056403 |
| Toluene | ug/g | 0.2 | | | | 0.038 | 0.020 | 9056403 | 0.038 | 0.020 | 9056403 |
| p+m-Xylene | ug/g | - | | | | <0.020 | 0.020 | 9056403 | <0.020 | 0.020 | 9056403 |
| o-Xylene | ug/g | - | | | | <0.020 | 0.020 | 9056403 | <0.020 | 0.020 | 9056403 |
| Total Xylenes | ug/g | 0.05 | | | | <0.020 | 0.020 | 9056403 | <0.020 | 0.020 | 9056403 |
| F1 (C6-C10) | ug/g | 25 | | | | <10 | 10 | 9056403 | <10 | 10 | 9056403 |
| F1 (C6-C10) - BTEX | ug/g | 25 | | | | <10 | 10 | 9056403 | <10 | 10 | 9056403 |
| **F2-F4 Hydrocarbons** | | | | | | | | | | | |
| F2 (C10-C16 Hydrocarbons) | ug/g | 10 | <10 | 10 | 9059173 | <10 | 10 | 9059173 | | | |
| F3 (C16-C34 Hydrocarbons) | ug/g | 240 | <50 | 50 | 9059173 | <50 | 50 | 9059173 | | | |
| F4 (C34-C50 Hydrocarbons) | ug/g | 120 | <50 | 50 | 9059173 | <50 | 50 | 9059173 | | | |
| Reached Baseline at C50 | ug/g | - | Yes | | 9059173 | Yes | | 9059173 | | | |
| **Surrogate Recovery (%)** | | | | | | | | | | | |
| o-Terphenyl | % | - | 94 | | 9059173 | 93 | | 9059173 | | | |
| 4-Bromofluorobenzene | % | - | | | | 97 | | 9056403 | 96 | | 9056403 |
| D10-o-Xylene | % | - | | | | 92 | | 9056403 | 91 | | 9056403 |
| D4-1,2-Dichloroethane | % | - | | | | 103 | | 9056403 | 103 | | 9056403 |
| D8-Toluene | % | - | | | | 89 | | 9056403 | 90 | | 9056403 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards, Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## CCME PETROLEUM HYDROCARBONS SOIL (SOIL)

| Bureau Veritas ID | | | XPW791 | XPW792 | XPW793 | | |
|---|---|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/15 | 2023/11/15 | 2023/11/15 | | |
| COC Number | | | N/A | N/A | N/A | | |
| | UNITS | Criteria | BH110_0.2-0.6 | BH116_0.8-1.4 | BH105_3.0-3.6 | RDL | QC Batch |
| **Volatile Organics** | | | | | | | |
| Benzene | ug/g | 0.02 | <0.0060 | <0.0060 | <0.0060 | 0.0060 | 9056403 |
| Ethylbenzene | ug/g | 0.05 | <0.010 | <0.010 | <0.010 | 0.010 | 9056403 |
| Toluene | ug/g | 0.2 | <0.020 | <0.020 | 0.025 | 0.020 | 9056403 |
| p+m-Xylene | ug/g | - | <0.020 | <0.020 | <0.020 | 0.020 | 9056403 |
| o-Xylene | ug/g | - | <0.020 | <0.020 | <0.020 | 0.020 | 9056403 |
| Total Xylenes | ug/g | 0.05 | <0.020 | <0.020 | <0.020 | 0.020 | 9056403 |
| F1 (C6-C10) | ug/g | 25 | <10 | <10 | <10 | 10 | 9056403 |
| F1 (C6-C10) - BTEX | ug/g | 25 | <10 | <10 | <10 | 10 | 9056403 |
| **F2-F4 Hydrocarbons** | | | | | | | |
| F2 (C10-C16 Hydrocarbons) | ug/g | 10 | <10 | <10 | <10 | 10 | 9059173 |
| F3 (C16-C34 Hydrocarbons) | ug/g | 240 | <50 | <50 | <50 | 50 | 9059173 |
| F4 (C34-C50 Hydrocarbons) | ug/g | 120 | <50 | <50 | <50 | 50 | 9059173 |
| Reached Baseline at C50 | ug/g | - | Yes | Yes | Yes | | 9059173 |
| **Surrogate Recovery (%)** | | | | | | | |
| o-Terphenyl | % | - | 93 | 94 | 91 | | 9059173 |
| 4-Bromofluorobenzene | % | - | 95 | 91 | 95 | | 9056403 |
| D10-o-Xylene | % | - | 92 | 96 | 87 | | 9056403 |
| D4-1,2-Dichloroethane | % | - | 105 | 108 | 108 | | 9056403 |
| D8-Toluene | % | - | 91 | 92 | 90 | | 9056403 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards, Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use



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

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## O.REG 406 EXCESS SOIL BULK ICPMS METALS (SOIL)

| Bureau Veritas ID | | | XPW780 | | XPW781 | XPW782 | XPW783 | | |
|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/14 | | 2023/11/14 | 2023/11/14 | 2023/11/14 | | |
| COC Number | | | N/A | | N/A | N/A | N/A | | |
| | UNITS | Criteria | BH101_1.5-2.1 | QC Batch | BH102_0.2-0.6 | BH103_1.5-2.1 | BH106_1.5-2.1 | RDL | QC Batch |
| **Metals** | | | | | | | | | |
| Acid Extractable Antimony (Sb) | ug/g | 1.3 | <0.20 | 9062084 | <0.20 | <0.20 | <0.20 | 0.20 | 9062476 |
| Acid Extractable Arsenic (As) | ug/g | 18 | 4.2 | 9062084 | 4.0 | 4.9 | 4.5 | 1.0 | 9062476 |
| Acid Extractable Barium (Ba) | ug/g | 220 | 97 | 9062084 | 78 | 86 | 85 | 0.50 | 9062476 |
| Acid Extractable Beryllium (Be) | ug/g | 2.5 | 0.86 | 9062084 | 0.70 | 0.69 | 0.82 | 0.20 | 9062476 |
| Acid Extractable Boron (B) | ug/g | 36 | <5.0 | 9062084 | <5.0 | <5.0 | <5.0 | 5.0 | 9062476 |
| Acid Extractable Cadmium (Cd) | ug/g | 1.2 | 0.32 | 9062084 | 0.22 | <0.10 | 0.20 | 0.10 | 9062476 |
| Acid Extractable Chromium (Cr) | ug/g | 70 | 24 | 9062084 | 20 | 22 | 24 | 1.0 | 9062476 |
| Acid Extractable Cobalt (Co) | ug/g | 21 | 11 | 9062084 | 9.4 | 11 | 12 | 0.10 | 9062476 |
| Acid Extractable Copper (Cu) | ug/g | 92 | 22 | 9062084 | 25 | 29 | 24 | 0.50 | 9062476 |
| Acid Extractable Lead (Pb) | ug/g | 120 | 16 | 9062084 | 13 | 9.4 | 15 | 1.0 | 9062476 |
| Acid Extractable Molybdenum (Mo) | ug/g | 2 | 0.54 | 9062084 | <0.50 | <0.50 | <0.50 | 0.50 | 9062476 |
| Acid Extractable Nickel (Ni) | ug/g | 82 | 22 | 9062084 | 19 | 25 | 23 | 0.50 | 9062476 |
| Acid Extractable Selenium (Se) | ug/g | 1.5 | <0.50 | 9062084 | <0.50 | <0.50 | <0.50 | 0.50 | 9062476 |
| Acid Extractable Silver (Ag) | ug/g | 0.5 | <0.20 | 9062084 | <0.20 | <0.20 | <0.20 | 0.20 | 9062476 |
| Acid Extractable Thallium (Tl) | ug/g | 1 | 0.14 | 9062084 | 0.12 | 0.12 | 0.15 | 0.050 | 9062476 |
| Acid Extractable Uranium (U) | ug/g | 2.5 | 1.6 | 9062084 | 0.74 | 0.61 | 0.98 | 0.050 | 9062476 |
| Acid Extractable Vanadium (V) | ug/g | 86 | 36 | 9062084 | 31 | 31 | 37 | 5.0 | 9062476 |
| Acid Extractable Zinc (Zn) | ug/g | 290 | 75 | 9062084 | 74 | 57 | 68 | 5.0 | 9062476 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards, Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## O.REG 406 EXCESS SOIL BULK ICPMS METALS (SOIL)

| Bureau Veritas ID | | | XPW783 | XPW784 | XPW785 | XPW786 | XPW787 | | |
|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/14 | 2023/11/14 | 2023/11/14 | 2023/11/14 | 2023/11/14 | | |
| COC Number | | | N/A | N/A | N/A | N/A | N/A | | |
| | UNITS | Criteria | BH106_1.5-2.1 Lab-Dup | BH107_2.3-2.7 | BH111_0.8-1.4 | BH115_0.8-1.4 | QAQC1 | RDL | QC Batch |
| **Metals** | | | | | | | | | |
| Acid Extractable Antimony (Sb) | ug/g | 1.3 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 9062476 |
| Acid Extractable Arsenic (As) | ug/g | 18 | 4.2 | 7.2 | 5.5 | 5.0 | 4.2 | 1.0 | 9062476 |
| Acid Extractable Barium (Ba) | ug/g | 220 | 85 | 84 | 73 | 77 | 73 | 0.50 | 9062476 |
| Acid Extractable Beryllium (Be) | ug/g | 2.5 | 0.81 | 1.1 | 0.82 | 0.74 | 0.68 | 0.20 | 9062476 |
| Acid Extractable Boron (B) | ug/g | 36 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 | 9062476 |
| Acid Extractable Cadmium (Cd) | ug/g | 1.2 | 0.21 | 0.15 | <0.10 | 0.15 | 0.19 | 0.10 | 9062476 |
| Acid Extractable Chromium (Cr) | ug/g | 70 | 23 | 26 | 22 | 21 | 19 | 1.0 | 9062476 |
| Acid Extractable Cobalt (Co) | ug/g | 21 | 11 | 15 | 13 | 11 | 9.6 | 0.10 | 9062476 |
| Acid Extractable Copper (Cu) | ug/g | 92 | 24 | 44 | 35 | 27 | 24 | 0.50 | 9062476 |
| Acid Extractable Lead (Pb) | ug/g | 120 | 14 | 12 | 9.8 | 12 | 14 | 1.0 | 9062476 |
| Acid Extractable Molybdenum (Mo) | ug/g | 2 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 9062476 |
| Acid Extractable Nickel (Ni) | ug/g | 82 | 22 | 35 | 27 | 23 | 18 | 0.50 | 9062476 |
| Acid Extractable Selenium (Se) | ug/g | 1.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 9062476 |
| Acid Extractable Silver (Ag) | ug/g | 0.5 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 9062476 |
| Acid Extractable Thallium (Tl) | ug/g | 1 | 0.14 | 0.11 | 0.12 | 0.13 | 0.12 | 0.050 | 9062476 |
| Acid Extractable Uranium (U) | ug/g | 2.5 | 0.95 | 1.1 | 0.52 | 0.68 | 0.64 | 0.050 | 9062476 |
| Acid Extractable Vanadium (V) | ug/g | 86 | 36 | 36 | 32 | 32 | 31 | 5.0 | 9062476 |
| Acid Extractable Zinc (Zn) | ug/g | 290 | 65 | 70 | 61 | 63 | 65 | 5.0 | 9062476 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards, Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## O.REG 406 EXCESS SOIL BULK ICPMS METALS (SOIL)

| Bureau Veritas ID | | | XPW788 | XPW789 | XPW790 | XPW791 | XPW792 | | |
|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/14 | 2023/11/15 | 2023/11/15 | 2023/11/15 | 2023/11/15 | | |
| COC Number | | | N/A | N/A | N/A | N/A | N/A | | |
| | UNITS | Criteria | QAQC2 | BH113_0.2-0.6 | BH104_2.3-2.7 | BH110_0.2-0.6 | BH116_0.8-1.4 | RDL | QC Batch |
| **Metals** | | | | | | | | | |
| Acid Extractable Antimony (Sb) | ug/g | 1.3 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 9062476 |
| Acid Extractable Arsenic (As) | ug/g | 18 | 5.0 | 5.0 | 4.3 | 4.4 | 5.0 | 1.0 | 9062476 |
| Acid Extractable Barium (Ba) | ug/g | 220 | 96 | 80 | 80 | 160 | 74 | 0.50 | 9062476 |
| Acid Extractable Beryllium (Be) | ug/g | 2.5 | 0.92 | 0.74 | 0.80 | 0.71 | 0.78 | 0.20 | 9062476 |
| Acid Extractable Boron (B) | ug/g | 36 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 | 9062476 |
| Acid Extractable Cadmium (Cd) | ug/g | 1.2 | 0.25 | 0.16 | 0.14 | 0.15 | 0.11 | 0.10 | 9062476 |
| Acid Extractable Chromium (Cr) | ug/g | 70 | 25 | 21 | 21 | 21 | 22 | 1.0 | 9062476 |
| Acid Extractable Cobalt (Co) | ug/g | 21 | 12 | 11 | 11 | 10 | 12 | 0.10 | 9062476 |
| Acid Extractable Copper (Cu) | ug/g | 92 | 24 | 25 | 27 | 26 | 31 | 0.50 | 9062476 |
| Acid Extractable Lead (Pb) | ug/g | 120 | 15 | 13 | 14 | 12 | 10 | 1.0 | 9062476 |
| Acid Extractable Molybdenum (Mo) | ug/g | 2 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 9062476 |
| Acid Extractable Nickel (Ni) | ug/g | 82 | 24 | 22 | 21 | 22 | 27 | 0.50 | 9062476 |
| Acid Extractable Selenium (Se) | ug/g | 1.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.50 | 9062476 |
| Acid Extractable Silver (Ag) | ug/g | 0.5 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | 9062476 |
| Acid Extractable Thallium (Tl) | ug/g | 1 | 0.14 | 0.13 | 0.13 | 0.12 | 0.13 | 0.050 | 9062476 |
| Acid Extractable Uranium (U) | ug/g | 2.5 | 1.1 | 0.69 | 0.81 | 0.68 | 0.59 | 0.050 | 9062476 |
| Acid Extractable Vanadium (V) | ug/g | 86 | 37 | 32 | 34 | 30 | 31 | 5.0 | 9062476 |
| Acid Extractable Zinc (Zn) | ug/g | 290 | 74 | 64 | 60 | 59 | 61 | 5.0 | 9062476 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards, Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## O.REG 406 EXCESS SOIL BULK ICPMS METALS (SOIL)

| Bureau Veritas ID | | | XPW793 | | |
|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/15 | | |
| COC Number | | | N/A | | |
| | UNITS | Criteria | BH105_3.0-3.6 | RDL | QC Batch |
| **Metals** | | | | | |
| Acid Extractable Antimony (Sb) | ug/g | 1.3 | <0.20 | 0.20 | 9062084 |
| Acid Extractable Arsenic (As) | ug/g | 18 | 5.4 | 1.0 | 9062084 |
| Acid Extractable Barium (Ba) | ug/g | 220 | 72 | 0.50 | 9062084 |
| Acid Extractable Beryllium (Be) | ug/g | 2.5 | 0.78 | 0.20 | 9062084 |
| Acid Extractable Boron (B) | ug/g | 36 | <5.0 | 5.0 | 9062084 |
| Acid Extractable Cadmium (Cd) | ug/g | 1.2 | 0.17 | 0.10 | 9062084 |
| Acid Extractable Chromium (Cr) | ug/g | 70 | 21 | 1.0 | 9062084 |
| Acid Extractable Cobalt (Co) | ug/g | 21 | 11 | 0.10 | 9062084 |
| Acid Extractable Copper (Cu) | ug/g | 92 | 28 | 0.50 | 9062084 |
| Acid Extractable Lead (Pb) | ug/g | 120 | 14 | 1.0 | 9062084 |
| Acid Extractable Molybdenum (Mo) | ug/g | 2 | <0.50 | 0.50 | 9062084 |
| Acid Extractable Nickel (Ni) | ug/g | 82 | 22 | 0.50 | 9062084 |
| Acid Extractable Selenium (Se) | ug/g | 1.5 | <0.50 | 0.50 | 9062084 |
| Acid Extractable Silver (Ag) | ug/g | 0.5 | <0.20 | 0.20 | 9062084 |
| Acid Extractable Thallium (Tl) | ug/g | 1 | 0.12 | 0.050 | 9062084 |
| Acid Extractable Uranium (U) | ug/g | 2.5 | 0.69 | 0.050 | 9062084 |
| Acid Extractable Vanadium (V) | ug/g | 86 | 33 | 5.0 | 9062084 |
| Acid Extractable Zinc (Zn) | ug/g | 290 | 68 | 5.0 | 9062084 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards,
Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## RESULTS OF ANALYSES OF SOIL

| Bureau Veritas ID | | | XPW780 | | XPW781 | XPW782 | XPW783 | | |
|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/14 | | 2023/11/14 | 2023/11/14 | 2023/11/14 | | |
| COC Number | | | N/A | | N/A | N/A | N/A | | |
| | UNITS | Criteria | BH101_1.5-2.1 | QC Batch | BH102_0.2-0.6 | BH103_1.5-2.1 | BH106_1.5-2.1 | RDL | QC Batch |
| **Calculated Parameters** | | | | | | | | | |
| Sodium Adsorption Ratio | N/A | 2.4 | 0.22 | 9053991 | 1.0 | 0.50 | 0.31 | | 9053991 |
| **Inorganics** | | | | | | | | | |
| Conductivity | mS/cm | 0.57 | 0.31 | 9061845 | 0.32 | 0.50 | 0.22 | 0.002 | 9062003 |
| Moisture | % | - | 17 | 9055769 | 9.3 | 14 | 17 | 1.0 | 9055769 |
| Available (CaCl2) pH | pH | - | 7.20 | 9061665 | 7.74 | 7.45 | 6.80 | | 9061665 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards, Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

| Bureau Veritas ID | | | XPW784 | | | XPW784 | | | XPW785 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/14 | | | 2023/11/14 | | | 2023/11/14 | | |
| COC Number | | | N/A | | | N/A | | | N/A | | |
| | UNITS | Criteria | BH107_2.3-2.7 | RDL | QC Batch | BH107_2.3-2.7 Lab-Dup | RDL | QC Batch | BH111_0.8-1.4 | RDL | QC Batch |
| **Calculated Parameters** | | | | | | | | | | | |
| Sodium Adsorption Ratio | N/A | 2.4 | 0.97 | | 9053991 | | | | 0.77 | | 9053991 |
| **Inorganics** | | | | | | | | | | | |
| Conductivity | mS/cm | 0.57 | 0.25 | 0.002 | 9062003 | 0.26 | 0.002 | 9062003 | 0.35 | 0.002 | 9062003 |
| Moisture | % | - | 15 | 1.0 | 9055769 | | | | 15 | 1.0 | 9055769 |
| Available (CaCl2) pH | pH | - | 7.33 | | 9061665 | | | | 7.74 | | 9061665 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards, Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## RESULTS OF ANALYSES OF SOIL

| Bureau Veritas ID | | | XPW785 | | | XPW786 | XPW787 | XPW788 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/14 | | | 2023/11/14 | 2023/11/14 | 2023/11/14 | | |
| COC Number | | | N/A | | | N/A | N/A | N/A | | |
| | UNITS | Criteria | BH111_0.8-1.4 Lab-Dup | RDL | QC Batch | BH115_0.8-1.4 | QAQC1 | QAQC2 | RDL | QC Batch |
| **Calculated Parameters** | | | | | | | | | | |
| Sodium Adsorption Ratio | N/A | 2.4 | | | | 0.48 | 0.72 | 0.28 | | 9053991 |
| **Inorganics** | | | | | | | | | | |
| Conductivity | mS/cm | 0.57 | | | | 0.39 | 0.35 | 0.25 | 0.002 | 9062003 |
| Moisture | % | - | 15 | 1.0 | 9055769 | 14 | 14 | 17 | 1.0 | 9055769 |
| Available (CaCl2) pH | pH | - | | | | 7.51 | 7.01 | 7.30 | | 9061665 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards, Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

| Bureau Veritas ID | | | XPW789 | | | XPW789 | | XPW790 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/15 | | | 2023/11/15 | | 2023/11/15 | | |
| COC Number | | | N/A | | | N/A | | N/A | | |
| | UNITS | Criteria | BH113_0.2-0.6 | RDL | QC Batch | BH113_0.2-0.6 Lab-Dup | QC Batch | BH104_2.3-2.7 | RDL | QC Batch |
| **Calculated Parameters** | | | | | | | | | | |
| Sodium Adsorption Ratio | N/A | 2.4 | 0.38 | | 9053991 | | | 0.23 | | 9053991 |
| **Inorganics** | | | | | | | | | | |
| Conductivity | mS/cm | 0.57 | 0.34 | 0.002 | 9062003 | | | 0.31 | 0.002 | 9062003 |
| Moisture | % | - | 13 | 1.0 | 9055769 | | | 21 | 1.0 | 9055769 |
| Available (CaCl2) pH | pH | - | 7.59 | | 9061665 | 7.62 | 9061665 | 7.24 | | 9061665 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards, Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## RESULTS OF ANALYSES OF SOIL

| Bureau Veritas ID | | | XPW791 | XPW792 | | XPW793 | | |
|---|---|---|---|---|---|---|---|---|
| Sampling Date | | | 2023/11/15 | 2023/11/15 | | 2023/11/15 | | |
| COC Number | | | N/A | N/A | | N/A | | |
| | UNITS | Criteria | BH110_0.2-0.6 | BH116_0.8-1.4 | QC Batch | BH105_3.0-3.6 | RDL | QC Batch |
| **Calculated Parameters** | | | | | | | | |
| Sodium Adsorption Ratio | N/A | 2.4 | 0.53 | 0.42 | 9053991 | 0.42 | | 9053991 |
| **Inorganics** | | | | | | | | |
| Conductivity | mS/cm | 0.57 | 0.38 | 0.31 | 9062003 | 0.31 | 0.002 | 9062575 |
| Moisture | % | - | 9.4 | 15 | 9055769 | 18 | 1.0 | 9055769 |
| Available (CaCl2) pH | pH | - | 7.64 | 7.70 | 9061665 | 7.11 | | 9061665 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ont. Reg. 406/19 Excess Soil Quality Standards, Table 1, Full Depth Background Site Condition Standards, Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## TEST SUMMARY

**Bureau Veritas ID:** XPW780
**Sample ID:** BH101_1.5-2.1
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9061845 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062084 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/21 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/19 | Gladys Guerrero |

**Bureau Veritas ID:** XPW781
**Sample ID:** BH102_0.2-0.6
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/22 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/19 | Gladys Guerrero |

**Bureau Veritas ID:** XPW782
**Sample ID:** BH103_1.5-2.1
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/22 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/19 | Gladys Guerrero |

**Bureau Veritas ID:** XPW783
**Sample ID:** BH106_1.5-2.1
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## TEST SUMMARY

**Bureau Veritas ID:** XPW783
**Sample ID:** BH106_1.5-2.1
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/22 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/19 | Gladys Guerrero |

**Bureau Veritas ID:** XPW783 Dup
**Sample ID:** BH106_1.5-2.1
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |

**Bureau Veritas ID:** XPW784
**Sample ID:** BH107_2.3-2.7
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/22 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/19 | Gladys Guerrero |

**Bureau Veritas ID:** XPW784 Dup
**Sample ID:** BH107_2.3-2.7
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |

**Bureau Veritas ID:** XPW785
**Sample ID:** BH111_0.8-1.4
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/22 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/19 | Gladys Guerrero |



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## TEST SUMMARY

**Bureau Veritas ID:** XPW785 Dup
**Sample ID:** BH111_0.8-1.4
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |

**Bureau Veritas ID:** XPW786
**Sample ID:** BH115_0.8-1.4
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/22 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/19 | Gladys Guerrero |

**Bureau Veritas ID:** XPW787
**Sample ID:** QAQC1
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/22 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/19 | Gladys Guerrero |

**Bureau Veritas ID:** XPW788
**Sample ID:** QAQC2
**Matrix:** Soil
**Collected:** 2023/11/14
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/22 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/19 | Gladys Guerrero |



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## TEST SUMMARY

**Bureau Veritas ID:** XPW789
**Sample ID:** BH113_0.2-0.6
**Matrix:** Soil
**Collected:** 2023/11/15
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/22 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/20 | Gladys Guerrero |

**Bureau Veritas ID:** XPW789 Dup
**Sample ID:** BH113_0.2-0.6
**Matrix:** Soil
**Collected:** 2023/11/15
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |

**Bureau Veritas ID:** XPW790
**Sample ID:** BH104_2.3-2.7
**Matrix:** Soil
**Collected:** 2023/11/15
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/22 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/19 | Gladys Guerrero |

**Bureau Veritas ID:** XPW790 Dup
**Sample ID:** BH104_2.3-2.7
**Matrix:** Soil
**Collected:** 2023/11/15
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/19 | Gladys Guerrero |

**Bureau Veritas ID:** XPW791
**Sample ID:** BH110_0.2-0.6
**Matrix:** Soil
**Collected:** 2023/11/15
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## TEST SUMMARY

**Bureau Veritas ID:** XPW791
**Sample ID:** BH110_0.2-0.6
**Matrix:** Soil
**Collected:** 2023/11/15
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/22 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/20 | Gladys Guerrero |

**Bureau Veritas ID:** XPW792
**Sample ID:** BH116_0.8-1.4
**Matrix:** Soil
**Collected:** 2023/11/15
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062003 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062476 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/22 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/20 | Gladys Guerrero |

**Bureau Veritas ID:** XPW793
**Sample ID:** BH105_3.0-3.6
**Matrix:** Soil
**Collected:** 2023/11/15
**Shipped:**
**Received:** 2023/11/16

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---|---|---|---|---|---|
| Conductivity | AT | 9062575 | 2023/11/21 | 2023/11/21 | Leily Karimi |
| Petroleum Hydrocarbons F2-F4 in Soil | GC/FID | 9059173 | 2023/11/20 | 2023/11/20 | (Kent) Maolin Li |
| Acid Extractable Metals by ICPMS | ICP/MS | 9062084 | 2023/11/21 | 2023/11/21 | Viviana Canzonieri |
| Moisture | BAL | 9055769 | N/A | 2023/11/17 | Ibadat Preet |
| pH CaCl2 EXTRACT | AT | 9061665 | 2023/11/21 | 2023/11/21 | Taslima Aktar |
| Sodium Adsorption Ratio (SAR) | CALC/MET | 9053991 | N/A | 2023/11/23 | Automated Statchk |
| Volatile Organic Compounds and F1 PHCs | GC/MSFD | 9056403 | N/A | 2023/11/20 | Gladys Guerrero |



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## GENERAL COMMENTS

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

| | |
|---|---|
| Package 1 | 7.0°C |

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



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Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

# QUALITY ASSURANCE REPORT

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

| | | | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | |
|---|---|---|---|---|---|---|---|---|---|---|
| QC Batch | Parameter | Date | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits |
| 9056403 | 4-Bromofluorobenzene | 2023/11/19 | 99 | 60 - 140 | 99 | 60 - 140 | 95 | % | | |
| 9056403 | D10-o-Xylene | 2023/11/19 | 107 | 60 - 130 | 103 | 60 - 130 | 94 | % | | |
| 9056403 | D4-1,2-Dichloroethane | 2023/11/19 | 102 | 60 - 140 | 99 | 60 - 140 | 102 | % | | |
| 9056403 | D8-Toluene | 2023/11/19 | 104 | 60 - 140 | 104 | 60 - 140 | 92 | % | | |
| 9059173 | o-Terphenyl | 2023/11/20 | 86 | 60 - 130 | 89 | 60 - 130 | 91 | % | | |
| 9055769 | Moisture | 2023/11/17 | | | | | | | 4.7 | 20 |
| 9056403 | Benzene | 2023/11/19 | 95 | 60 - 140 | 99 | 60 - 130 | <0.0060 | ug/g | NC | 50 |
| 9056403 | Ethylbenzene | 2023/11/19 | 91 | 60 - 140 | 98 | 60 - 130 | <0.010 | ug/g | NC | 50 |
| 9056403 | F1 (C6-C10) - BTEX | 2023/11/19 | | | | | <10 | ug/g | NC | 30 |
| 9056403 | F1 (C6-C10) | 2023/11/19 | 90 | 60 - 140 | 91 | 80 - 120 | <10 | ug/g | NC | 30 |
| 9056403 | o-Xylene | 2023/11/19 | 85 | 60 - 140 | 92 | 60 - 130 | <0.020 | ug/g | NC | 50 |
| 9056403 | p+m-Xylene | 2023/11/19 | 73 | 60 - 140 | 80 | 60 - 130 | <0.020 | ug/g | NC | 50 |
| 9056403 | Toluene | 2023/11/19 | 97 | 60 - 140 | 101 | 60 - 130 | <0.020 | ug/g | 0.74 | 50 |
| 9056403 | Total Xylenes | 2023/11/19 | | | | | <0.020 | ug/g | NC | 50 |
| 9059173 | F2 (C10-C16 Hydrocarbons) | 2023/11/20 | 88 | 60 - 130 | 90 | 80 - 120 | <10 | ug/g | NC | 30 |
| 9059173 | F3 (C16-C34 Hydrocarbons) | 2023/11/20 | 87 | 60 - 130 | 90 | 80 - 120 | <50 | ug/g | NC | 30 |
| 9059173 | F4 (C34-C50 Hydrocarbons) | 2023/11/20 | 84 | 60 - 130 | 87 | 80 - 120 | <50 | ug/g | NC | 30 |
| 9061665 | Available (CaCl2) pH | 2023/11/21 | | | 100 | 97 - 103 | | | 0.39 | N/A |
| 9061845 | Conductivity | 2023/11/21 | | | 103 | 90 - 110 | <0.002 | mS/cm | 3.7 | 10 |
| 9062003 | Conductivity | 2023/11/21 | | | 102 | 90 - 110 | <0.002 | mS/cm | 1.5 | 10 |
| 9062084 | Acid Extractable Antimony (Sb) | 2023/11/21 | 91 | 75 - 125 | 96 | 80 - 120 | <0.20 | ug/g | NC | 30 |
| 9062084 | Acid Extractable Arsenic (As) | 2023/11/21 | 93 | 75 - 125 | 101 | 80 - 120 | <1.0 | ug/g | 6.6 | 30 |
| 9062084 | Acid Extractable Barium (Ba) | 2023/11/21 | 88 | 75 - 125 | 97 | 80 - 120 | <0.50 | ug/g | 3.5 | 30 |
| 9062084 | Acid Extractable Beryllium (Be) | 2023/11/21 | 95 | 75 - 125 | 99 | 80 - 120 | <0.20 | ug/g | NC | 30 |
| 9062084 | Acid Extractable Boron (B) | 2023/11/21 | 96 | 75 - 125 | 86 | 80 - 120 | <5.0 | ug/g | NC | 30 |
| 9062084 | Acid Extractable Cadmium (Cd) | 2023/11/21 | 94 | 75 - 125 | 98 | 80 - 120 | <0.10 | ug/g | NC | 30 |
| 9062084 | Acid Extractable Chromium (Cr) | 2023/11/21 | 92 | 75 - 125 | 99 | 80 - 120 | <1.0 | ug/g | 0.98 | 30 |
| 9062084 | Acid Extractable Cobalt (Co) | 2023/11/21 | 92 | 75 - 125 | 98 | 80 - 120 | <0.10 | ug/g | 9.2 | 30 |
| 9062084 | Acid Extractable Copper (Cu) | 2023/11/21 | 94 | 75 - 125 | 98 | 80 - 120 | <0.50 | ug/g | 3.2 | 30 |



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## QUALITY ASSURANCE REPORT(CONT'D)



| | | | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | |
|---|---|---|---|---|---|---|---|---|---|---|
| QC Batch | Parameter | Date | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits |
| 9062084 | Acid Extractable Lead (Pb) | 2023/11/21 | 97 | 75 - 125 | 103 | 80 - 120 | <1.0 | ug/g | 6.3 | 30 |
| 9062084 | Acid Extractable Molybdenum (Mo) | 2023/11/21 | 91 | 75 - 125 | 95 | 80 - 120 | <0.50 | ug/g | NC | 30 |
| 9062084 | Acid Extractable Nickel (Ni) | 2023/11/21 | 94 | 75 - 125 | 101 | 80 - 120 | <0.50 | ug/g | 1.0 | 30 |
| 9062084 | Acid Extractable Selenium (Se) | 2023/11/21 | 97 | 75 - 125 | 104 | 80 - 120 | <0.50 | ug/g | NC | 30 |
| 9062084 | Acid Extractable Silver (Ag) | 2023/11/21 | 92 | 75 - 125 | 99 | 80 - 120 | <0.20 | ug/g | NC | 30 |
| 9062084 | Acid Extractable Thallium (Tl) | 2023/11/21 | 92 | 75 - 125 | 99 | 80 - 120 | <0.050 | ug/g | NC | 30 |
| 9062084 | Acid Extractable Uranium (U) | 2023/11/21 | 93 | 75 - 125 | 98 | 80 - 120 | <0.050 | ug/g | 8.4 | 30 |
| 9062084 | Acid Extractable Vanadium (V) | 2023/11/21 | 96 | 75 - 125 | 101 | 80 - 120 | <5.0 | ug/g | NC | 30 |
| 9062084 | Acid Extractable Zinc (Zn) | 2023/11/21 | 96 | 75 - 125 | 100 | 80 - 120 | <5.0 | ug/g | 4.7 | 30 |
| 9062476 | Acid Extractable Antimony (Sb) | 2023/11/21 | 93 | 75 - 125 | 98 | 80 - 120 | <0.20 | ug/g | NC | 30 |
| 9062476 | Acid Extractable Arsenic (As) | 2023/11/21 | 105 | 75 - 125 | 99 | 80 - 120 | <1.0 | ug/g | 6.9 | 30 |
| 9062476 | Acid Extractable Barium (Ba) | 2023/11/21 | NC | 75 - 125 | 100 | 80 - 120 | <0.50 | ug/g | 0.010 | 30 |
| 9062476 | Acid Extractable Beryllium (Be) | 2023/11/21 | 107 | 75 - 125 | 100 | 80 - 120 | <0.20 | ug/g | 1.1 | 30 |
| 9062476 | Acid Extractable Boron (B) | 2023/11/21 | 93 | 75 - 125 | 90 | 80 - 120 | <5.0 | ug/g | NC | 30 |
| 9062476 | Acid Extractable Cadmium (Cd) | 2023/11/21 | 105 | 75 - 125 | 98 | 80 - 120 | <0.10 | ug/g | 5.7 | 30 |
| 9062476 | Acid Extractable Chromium (Cr) | 2023/11/21 | 109 | 75 - 125 | 98 | 80 - 120 | <1.0 | ug/g | 4.0 | 30 |
| 9062476 | Acid Extractable Cobalt (Co) | 2023/11/21 | 106 | 75 - 125 | 98 | 80 - 120 | <0.10 | ug/g | 4.1 | 30 |
| 9062476 | Acid Extractable Copper (Cu) | 2023/11/21 | 103 | 75 - 125 | 98 | 80 - 120 | <0.50 | ug/g | 0.78 | 30 |
| 9062476 | Acid Extractable Lead (Pb) | 2023/11/21 | 109 | 75 - 125 | 104 | 80 - 120 | <1.0 | ug/g | 2.5 | 30 |
| 9062476 | Acid Extractable Molybdenum (Mo) | 2023/11/21 | 98 | 75 - 125 | 93 | 80 - 120 | <0.50 | ug/g | NC | 30 |
| 9062476 | Acid Extractable Nickel (Ni) | 2023/11/21 | 108 | 75 - 125 | 103 | 80 - 120 | <0.50 | ug/g | 4.1 | 30 |
| 9062476 | Acid Extractable Selenium (Se) | 2023/11/21 | 108 | 75 - 125 | 104 | 80 - 120 | <0.50 | ug/g | NC | 30 |
| 9062476 | Acid Extractable Silver (Ag) | 2023/11/21 | 105 | 75 - 125 | 99 | 80 - 120 | <0.20 | ug/g | NC | 30 |
| 9062476 | Acid Extractable Thallium (Tl) | 2023/11/21 | 104 | 75 - 125 | 99 | 80 - 120 | <0.050 | ug/g | 4.9 | 30 |
| 9062476 | Acid Extractable Uranium (U) | 2023/11/21 | 104 | 75 - 125 | 98 | 80 - 120 | <0.050 | ug/g | 3.0 | 30 |
| 9062476 | Acid Extractable Vanadium (V) | 2023/11/21 | NC | 75 - 125 | 100 | 80 - 120 | <5.0 | ug/g | 4.3 | 30 |
| 9062476 | Acid Extractable Zinc (Zn) | 2023/11/21 | NC | 75 - 125 | 99 | 80 - 120 | <5.0 | ug/g | 3.7 | 30 |



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## QUALITY ASSURANCE REPORT(CONT'D)



| | | | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | |
|---|---|---|---|---|---|---|---|---|---|---|
| QC Batch | Parameter | Date | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits |
| 9062575 | Conductivity | 2023/11/21 | | | 103 | 90 - 110 | <0.002 | mS/cm | 2.6 | 10 |

N/A = Not Applicable

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

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

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

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

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

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

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



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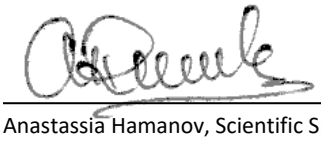
Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, Scientific Specialist

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



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

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

# CHAIN OF CUSTODY RECORD

ENV COC - 00014v2



NONT-2023-11-371

| Invoice Information | | Report Information (if differs from invoice) | | Project Information | |
|---|---|---|---|---|---|
| Invoice to (requires report) | ☑ | | | | |
| Company : | Cambium Inc | Company: | | Quotation #: | |
| Contact Name: | Laura Fitzgerald | Contact Name: | | P.O. #/ AFE#: | 19060-001 |
| Street Address: | 194 Sophia Street | Street Address: | | Project #: | 19060-001 |
| City: Peterborough Prov: ON Postal Code: K9H 1E5 | | City: Oshawa Prov: Postal Code: | | Site #: | |
| Phone: | 905-809-4928 | Phone: | | Site Location: | Cassie Campbell Community Centre Cricket Field |
| Email: | laura.fitzgerald@cambium-inc.com | Email: | | Site Location Province: | |
| Copies: | | Copies: | | Sampled By: | E. Couperthwaite |

**Regulatory Criteria**

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

OTHER: ☐ CCME ☐ Reg 558* ☐ *min 3 day TAT ☐ MISA ☐ PWQO ☑ Reg 406, Table: 1AO/RPIIC ☐ Sanitary Sewer Bylaw ☐ Storm Sewer Bylaw Municipality ____ ☐ Other:

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

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

| | Sample Identification | Date Sampled YY | MM | DD | Time (24hr) HH | MM | Matrix | 1 FIELD FILTERED | 2 FIELD PRESERVED | 3 LAB FILTRATION REQUIRED | 4 O.Reg 406 Soil/Sediment Metals - ICPMS | 5 CCME BTEX, F1-F4 | 6 SAR/pH/EC | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 # OF CONTAINERS SUBMITTED | 22 HOLD - DO NOT ANALYZE | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | BH101_1.5-2.1 | 23 | 11 | 14 | | | Soil | | | | X | X | X | | | | | | | | | | | | | | | 4 | | |
| 2 | BH102_0.2-0.6 | 23 | 11 | 14 | | | Soil | | | | X | X | X | | | | | | | | | | | | | | | 4 | | |
| 3 | BH103_1.5-2.1 | 23 | 11 | 14 | | | Soil | | | | X | X | X | | | | | | | | | | | | | | | 4 | | |
| 4 | BH106_1.5-2.1 | 23 | 11 | 14 | | | Soil | | | | X | X | X | | | | | | | | | | | | | | | 4 | | |
| 5 | BH107_2.3-2.7 | 23 | 11 | 14 | | | Soil | | | | X | X | X | | | | | | | | | | | | | | | 4 | | |
| 6 | BH111_0.8-1.4 | 23 | 11 | 14 | | | Soil | | | | X | X | X | | | | | | | | | | | | | | | 4 | | |
| 7 | BH115_0.8-1.4 | 23 | 11 | 14 | | | Soil | | | | X | X | X | | | | | | | | | | | | | | | 4 | | |
| 8 | QAQC1 | 23 | 11 | 14 | | | Soil | | | | X | X | X | | | | | | | | | | | | | | | 4 | | |
| 9 | QAQC2 | 23 | 11 | 14 | | | Soil | | | | X | X | X | | | | | | | | | | | | | | | 4 | | |
| 10 | BH113_0.2-0.6 | 23 | 11 | 15 | | | Soil | | | | X | X | X | | | | | | | | | | | | | | | 4 | | |
| 11 | BH104_2.3-2.7 | 23 | 11 | 15 | | | Soil | | | | X | X | X | | | | | | | | | | | | | | | 4 | | |
| 12 | BH110_0.2-0.6 | 23 | 11 | 15 | | | Soil | | | | X | X | X | | | | | | | | | | | | | | | 4 | | |

**Regular Turnaround Time (TAT)**

☑ 5 to 7 Day ☐ 10 Day

**Rush Turnaround Time (TAT) Surcharges apply**

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

Date Required: YY MM DD

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

| LAB USE ONLY | Yes | No | °C | 1 | 2 | 3 |
|---|---|---|---|---|---|---|
| Seal present | | ✓ | | | | |
| Seal intact | | ✓ | | | | |
| Cooling media present | ✓ | | | 7 | 7 | 7 |

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

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

| | Relinquished by: (Signature/ Print) | Date YY | MM | DD | Time HH | MM | Received by: (Signature/ Print) | Date YY | MM | DD | Time HH | MM | Special instructions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Emily Couperthwaite | | | | | | 1 [illegible] | 2023 | 11 | 16 | 14 | 25 | |
| 2 | | | | | | | 2 | | | | | | |

turn over →

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

**CHAIN OF CUSTODY RECORD**

**ENV COC - 00014v2**



**CONTINUED**

[PAGE 1 REFERENCE]

| | |
|---|---|
| Company: | Cambium Inc |
| Contact Name: | Laura Fitzgerald |
| Project #: | 19060-001 |

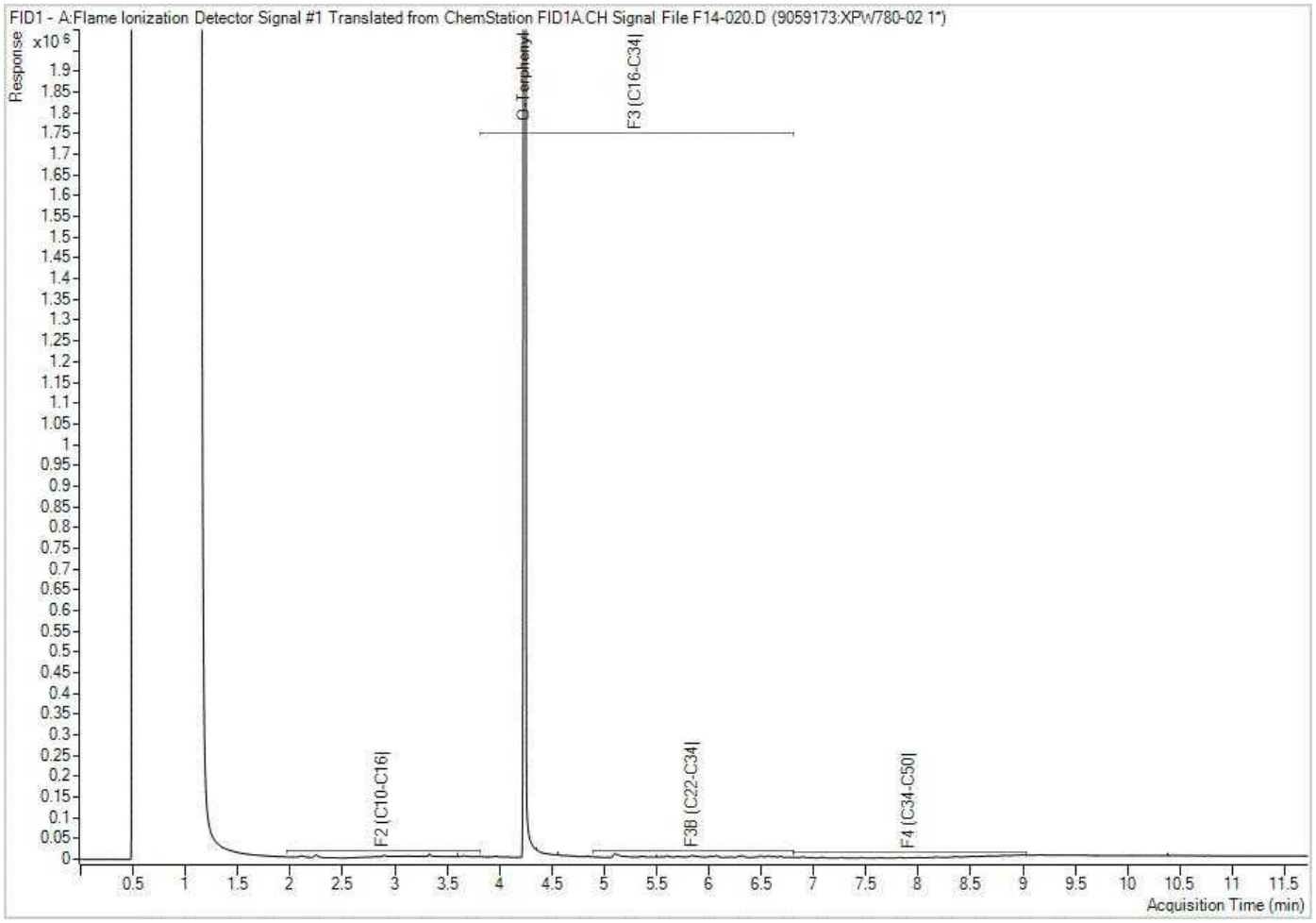
**SAMPLES MUST BE KEPT COOL (<10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS**

| | Sample Identification | Date Sampled YY | MM | DD | Time (24hr) HH | MM | Matrix | 1 FIELD FILTERED | 2 FIELD PRESERVED | 3 LAB FILTRATION REQUIRED | 4 O.Reg 406 Soil/Sediment Meta | 5 CCME BTEX, F1-F4 | 6 SAR/pH/EC | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 # OF CONTAINERS SUBMITTED | 22 HOLD - DO NOT ANALYZE | Same as above / Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | BH116_0.8-1.4 | 23 | 11 | 15 | | | Soil | | | | x | x | x | | | | | | | | | | | | | | | 4 | | |
| 14 | BH105_3.0-3.6 | 23 | 11 | 15 | | | Soil | | | | x | x | x | | | | | | | | | | | | | | | 4 | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | x | x | x | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | x | x | x | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW780

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH101_1.5-2.1

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

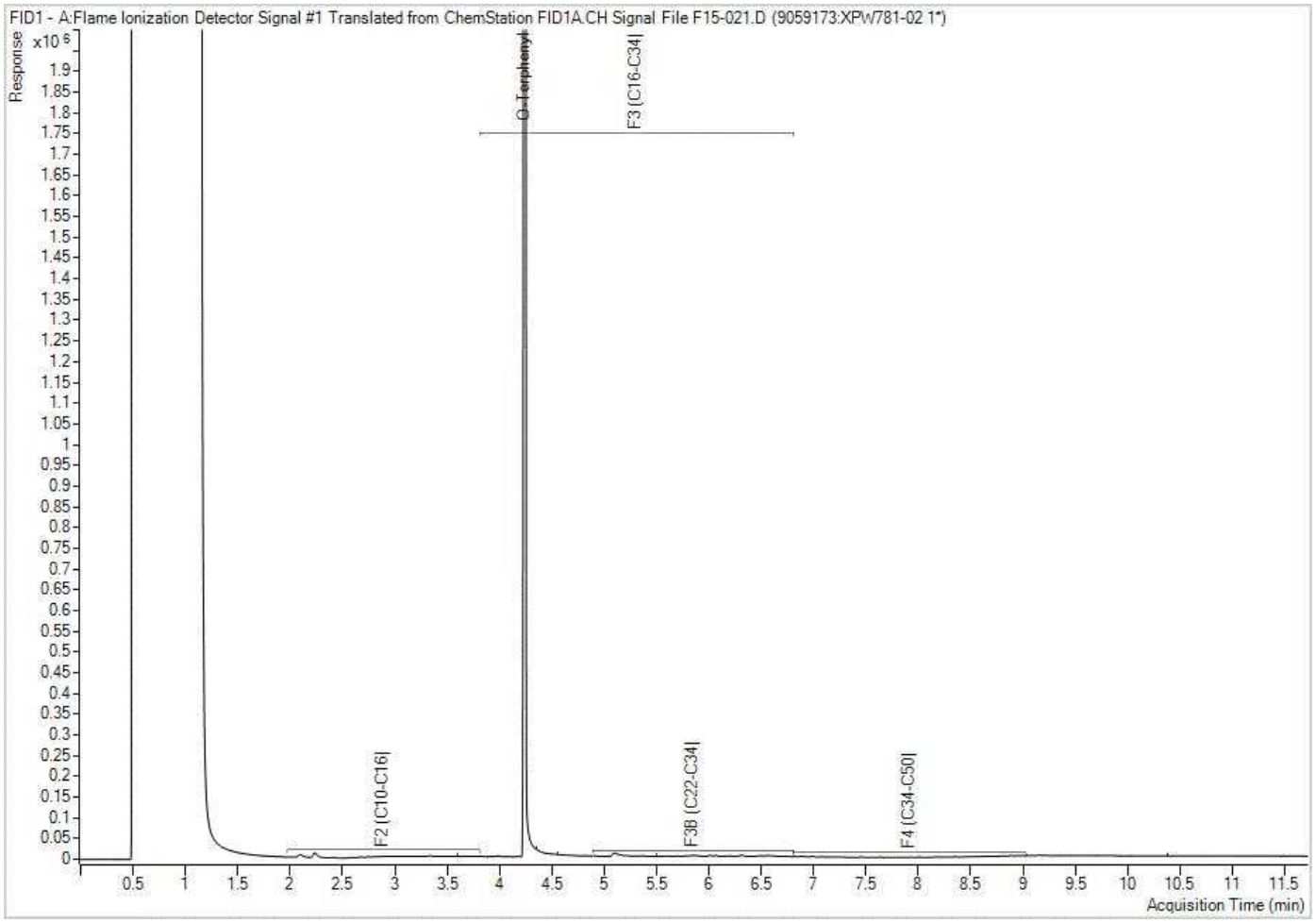



**Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.**

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW781

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH102_0.2-0.6

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

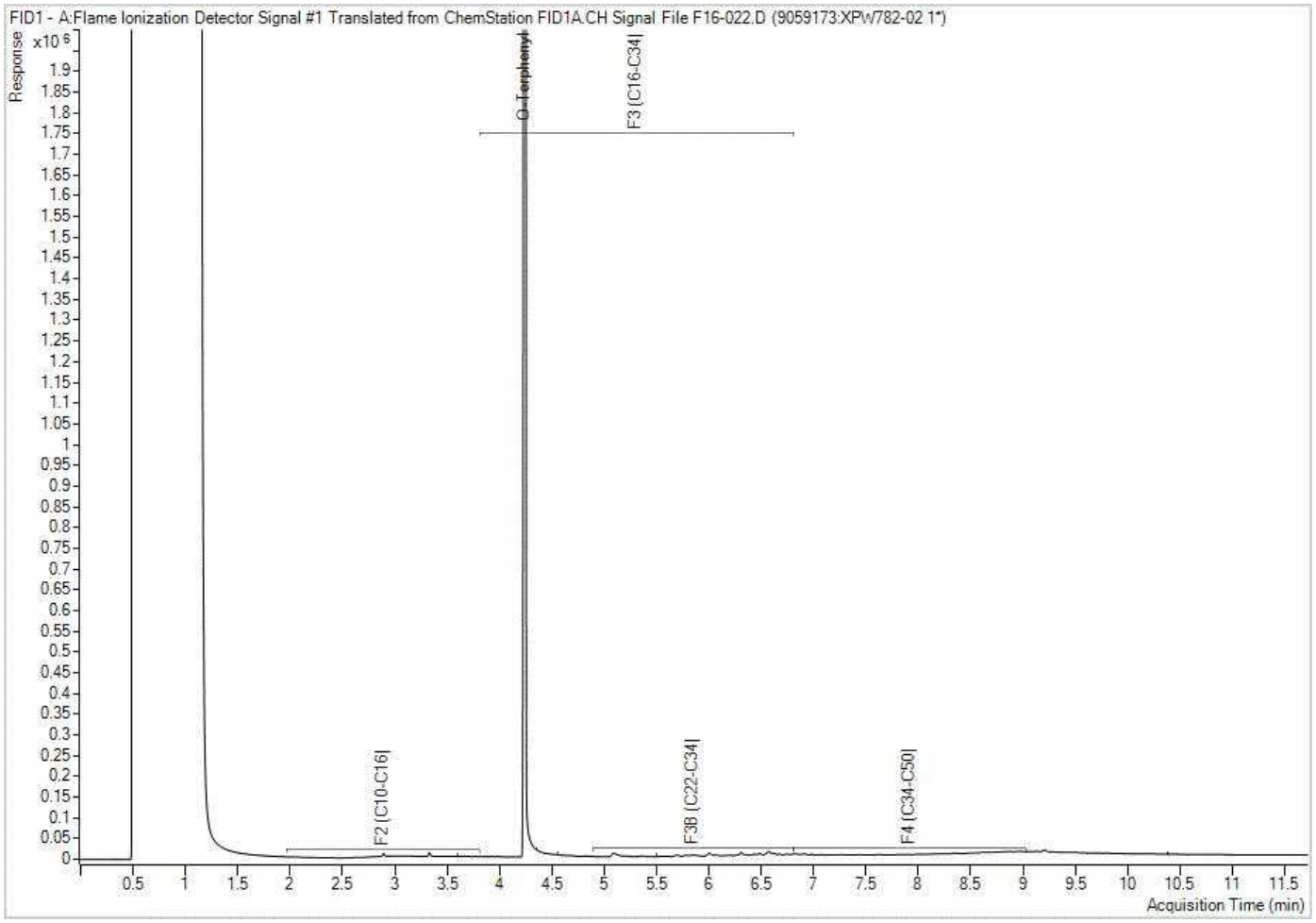



**Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.**

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW782

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH103_1.5-2.1

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

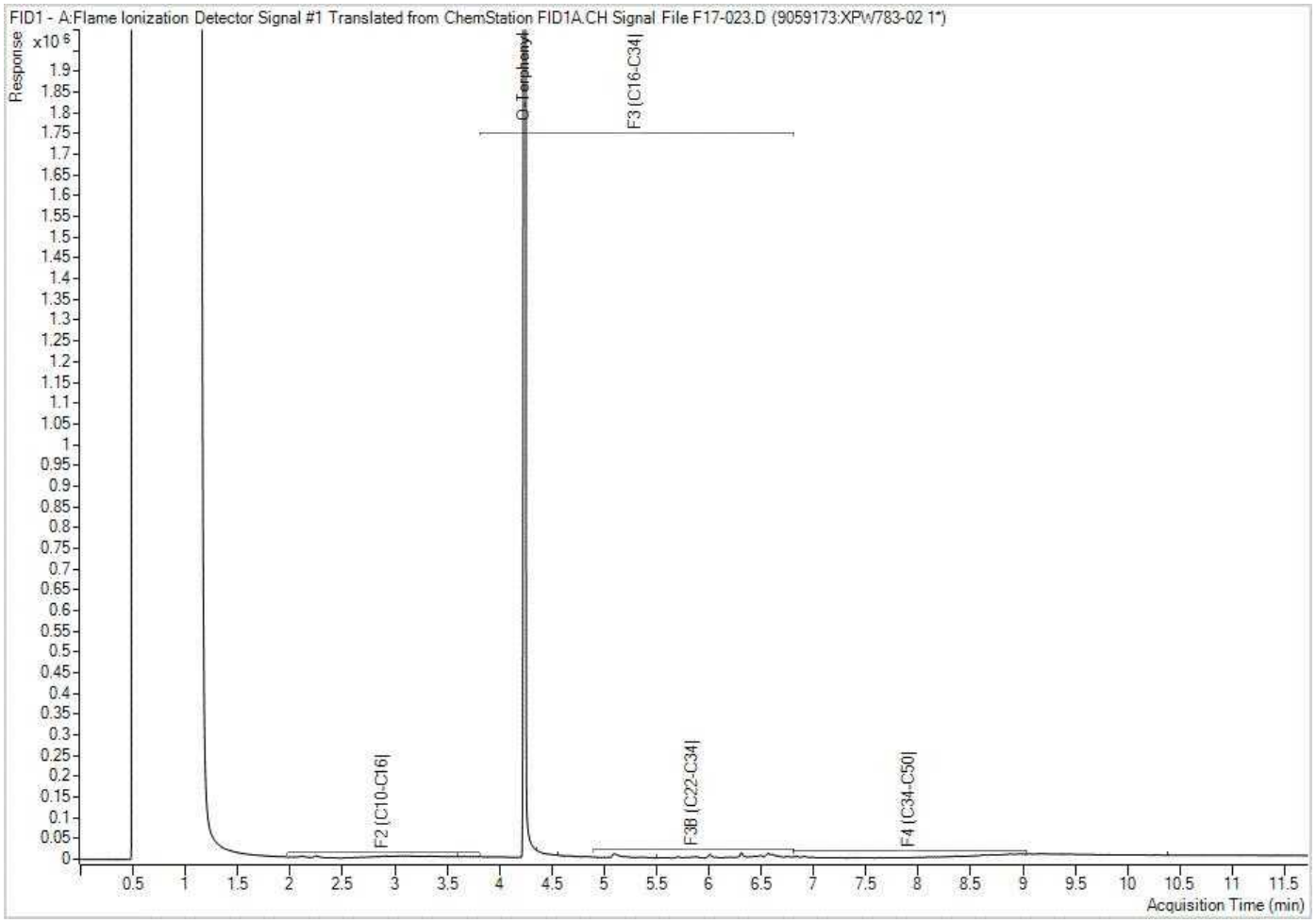



**Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.**

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW783

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH106_1.5-2.1

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

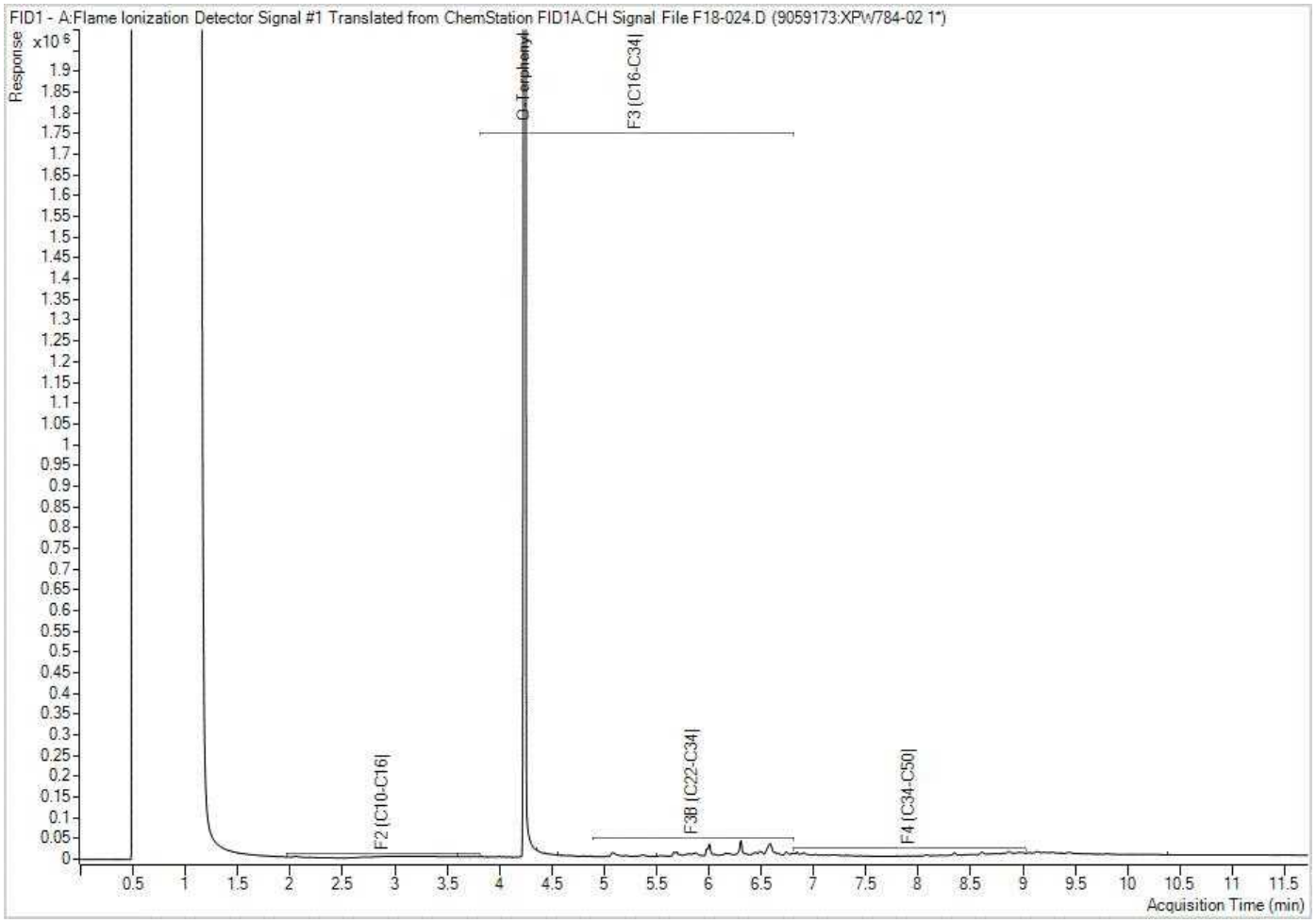



**Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.**

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW784

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH107_2.3-2.7

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

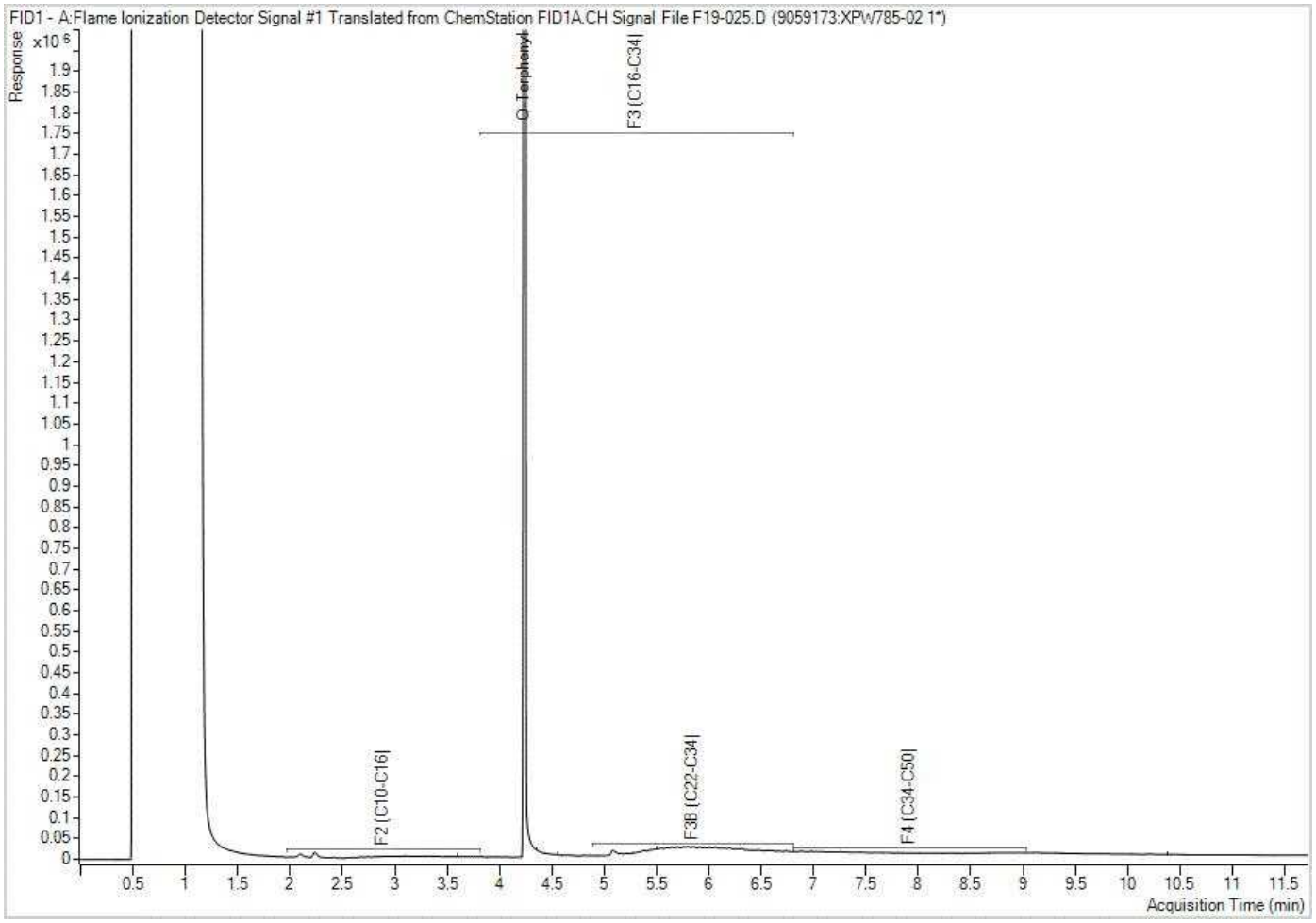



**Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.**

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW785

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH111_0.8-1.4

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

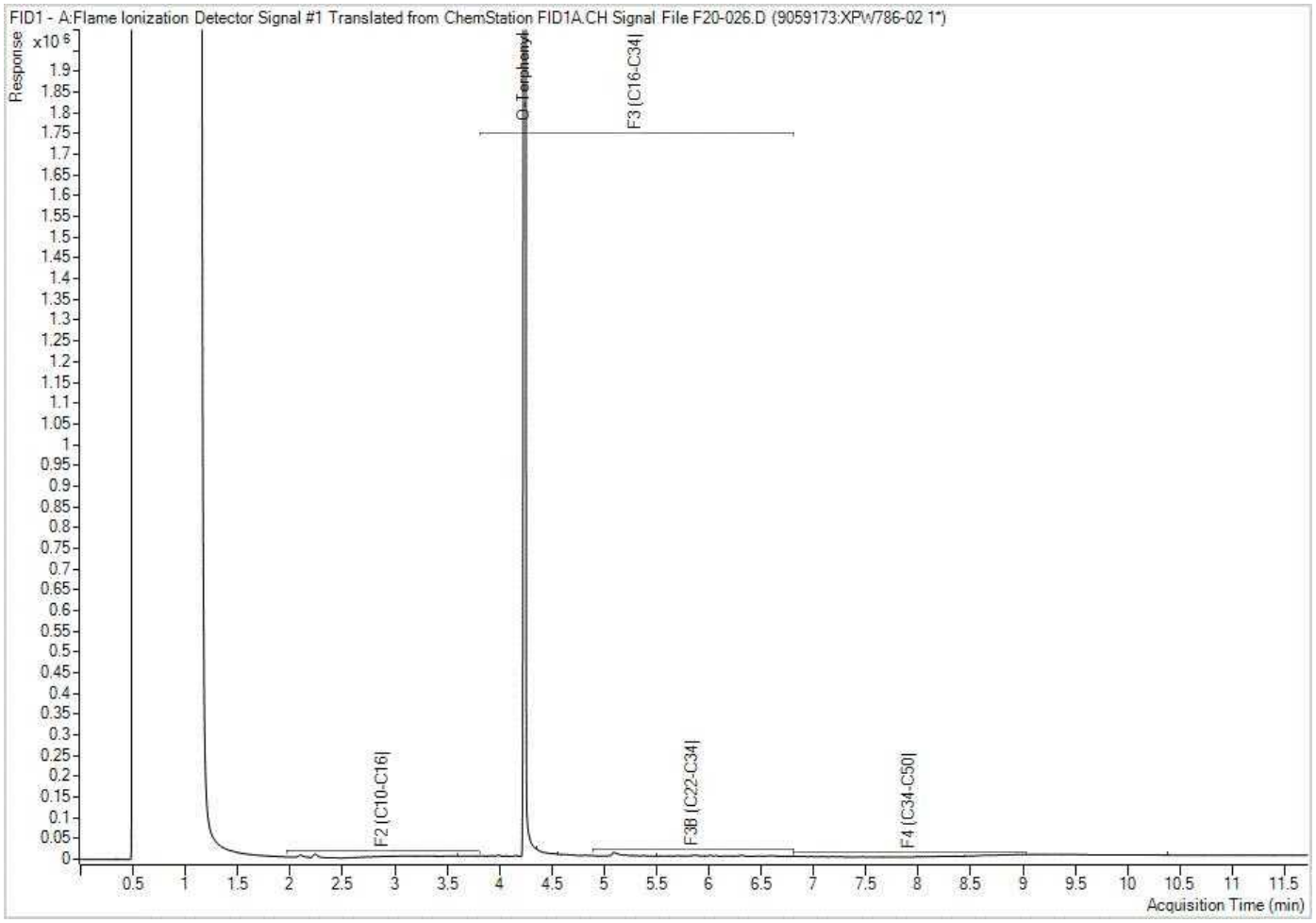



**Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.**

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW786

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH115_0.8-1.4

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

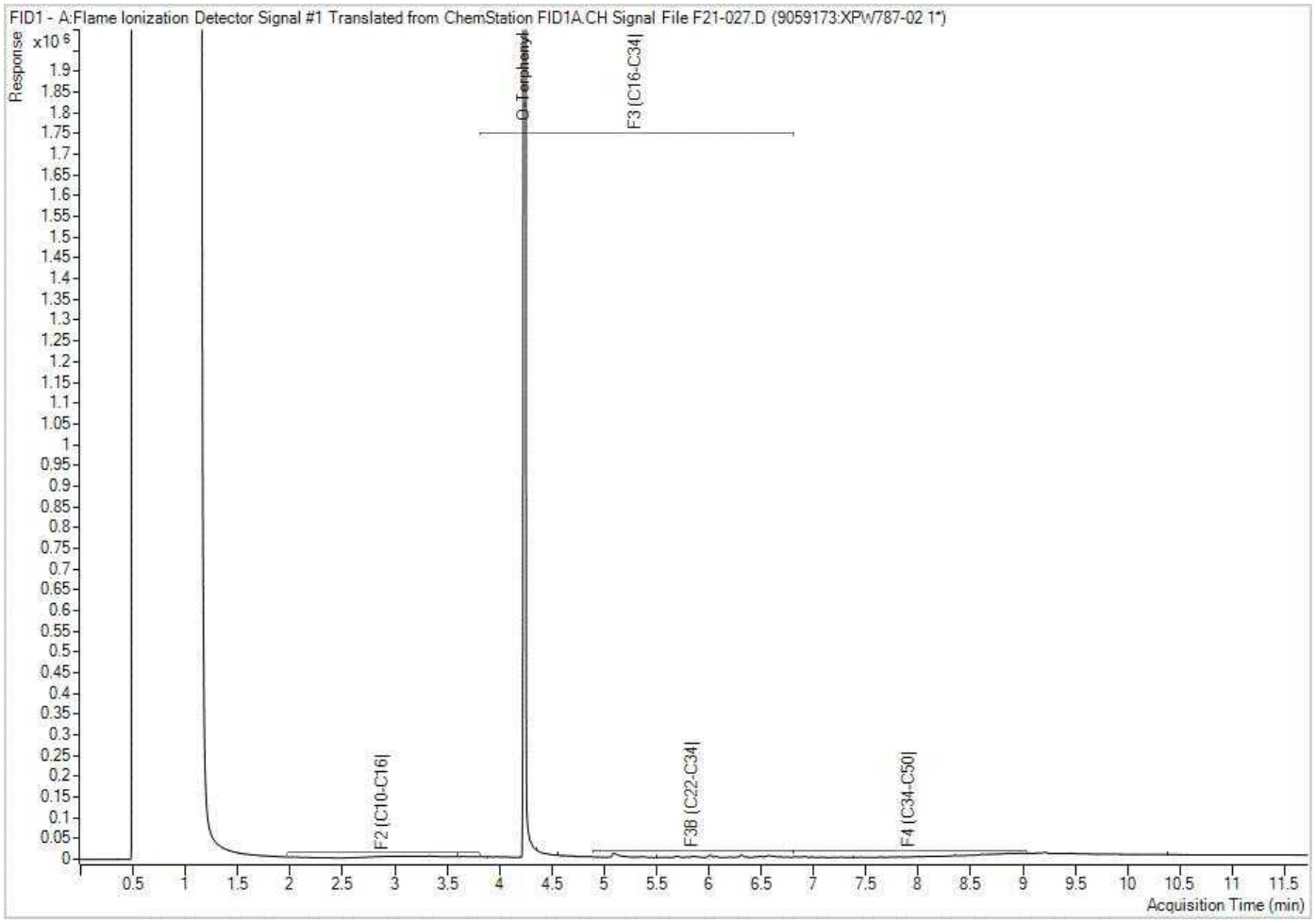



**Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.**

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW787

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: QAQC1

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

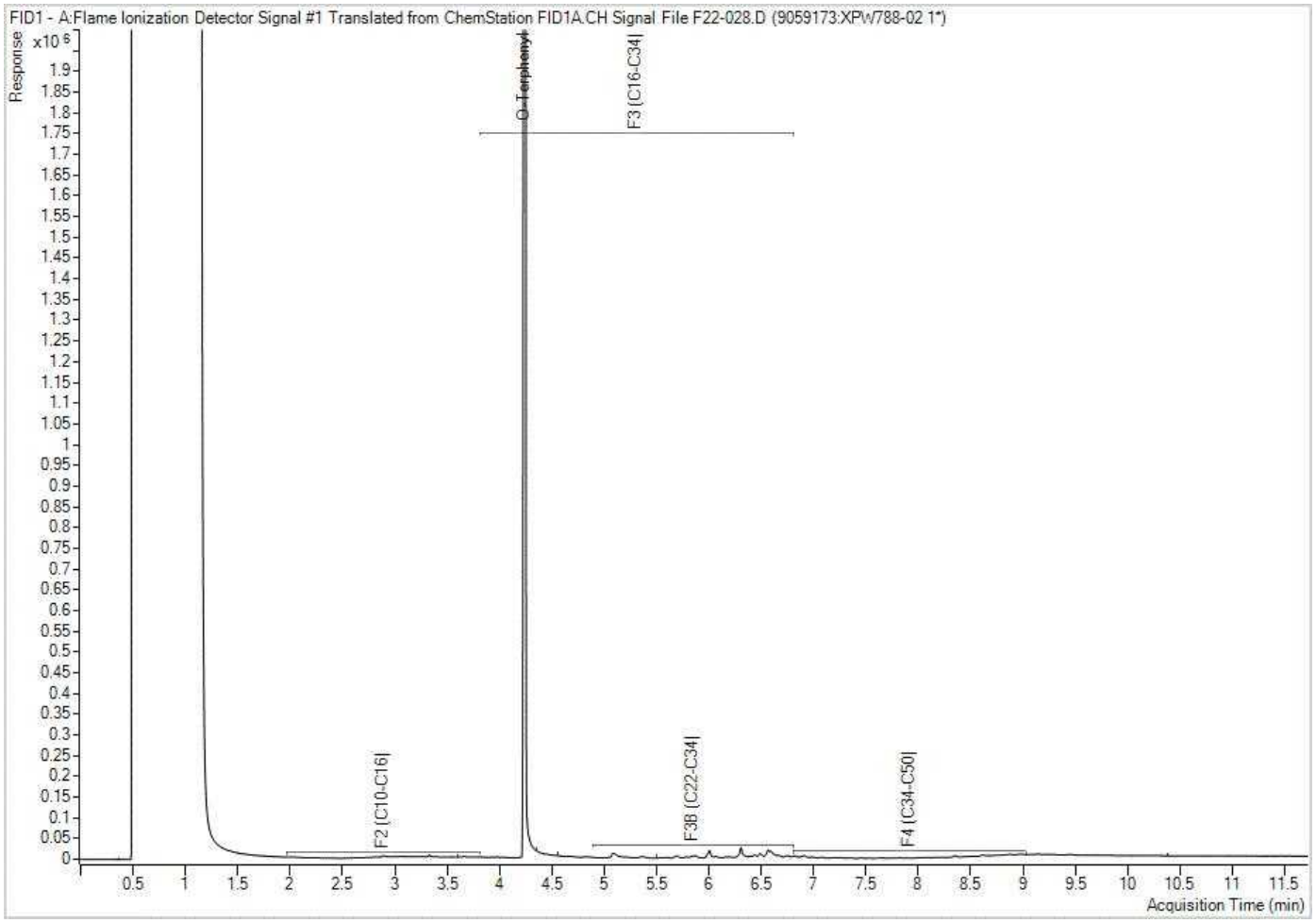



**Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.**

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW788

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: QAQC2

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

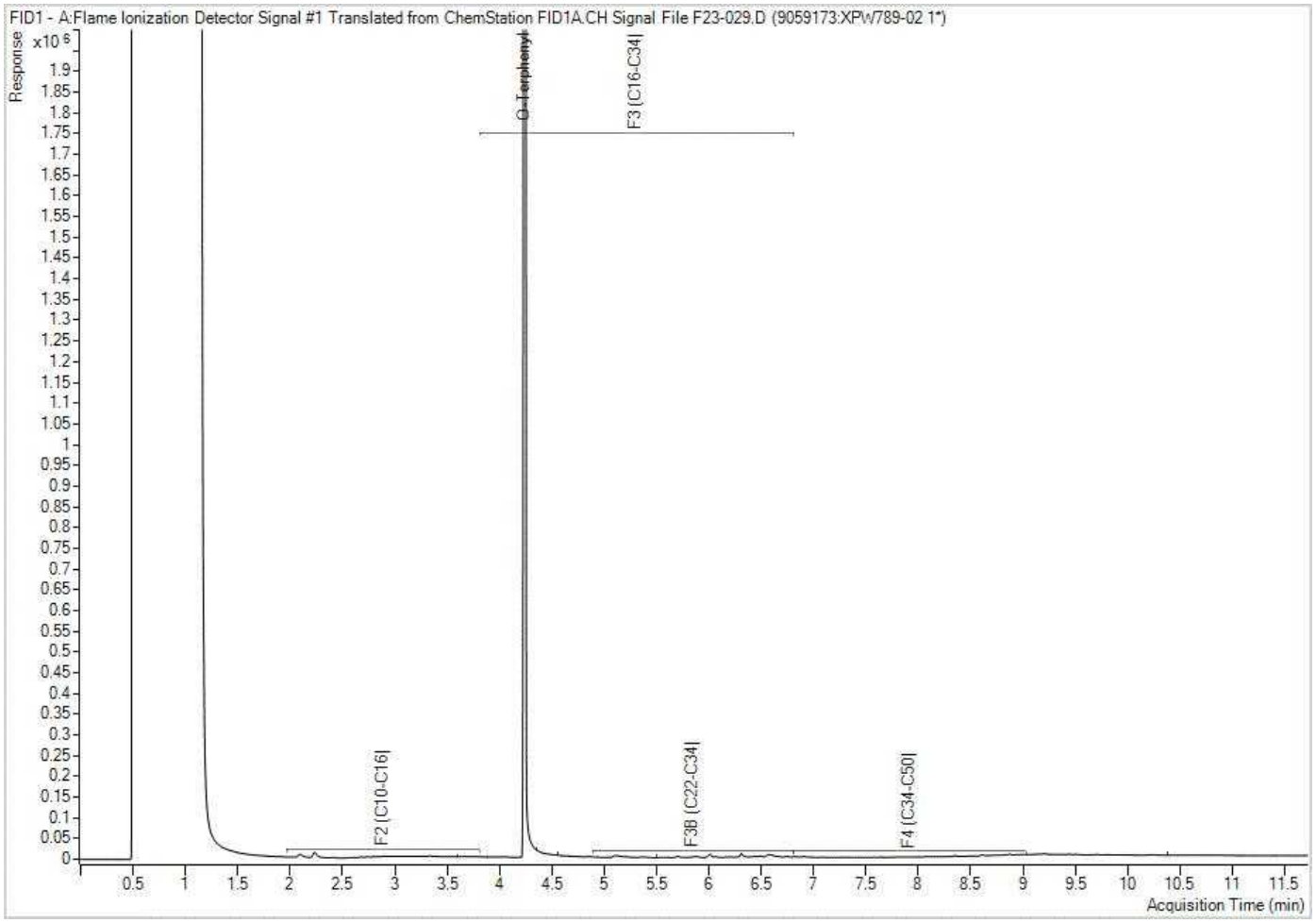



**Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.**

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW789

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH113_0.2-0.6

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

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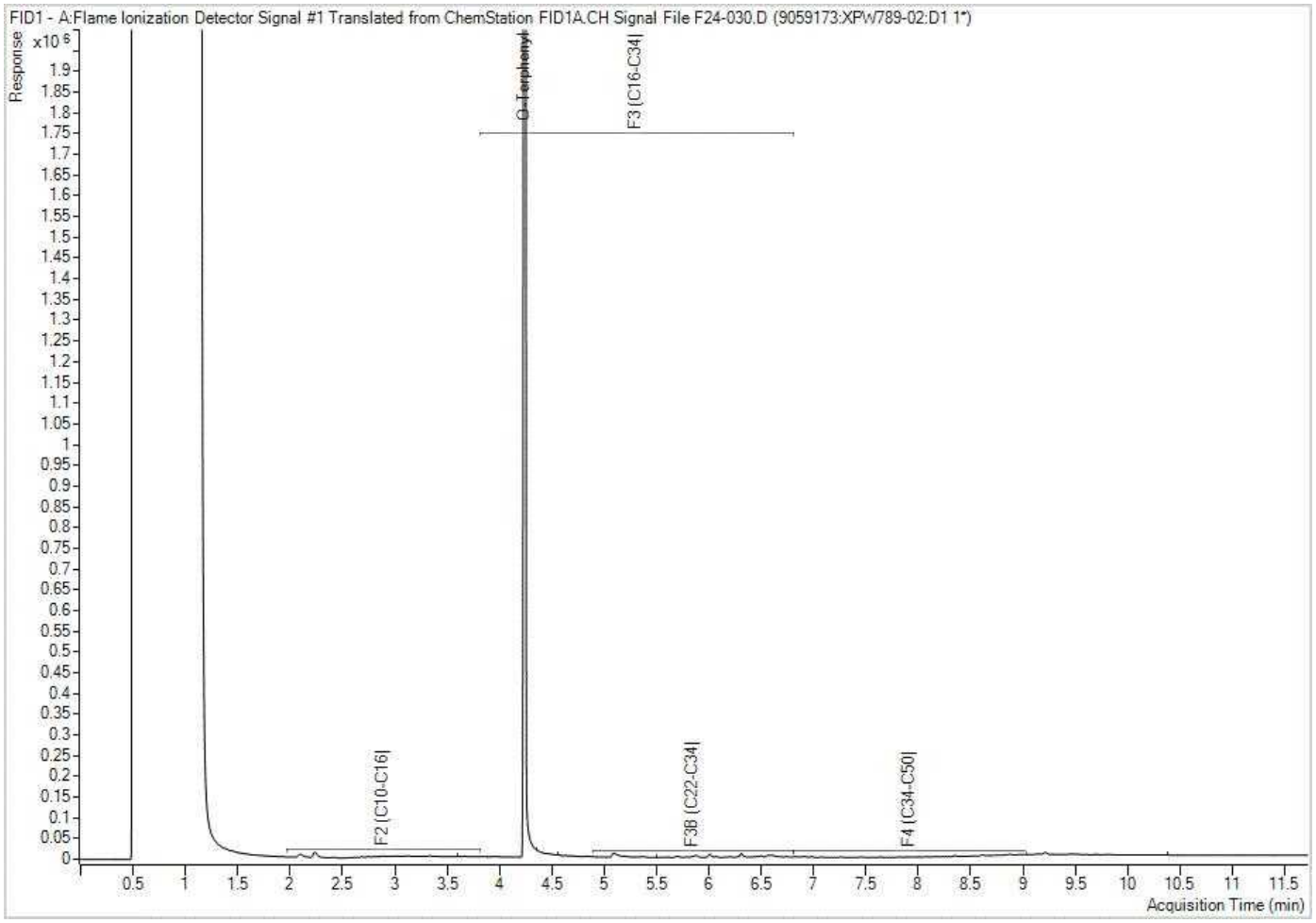
Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW789 Lab-Dup

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH113_0.2-0.6

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

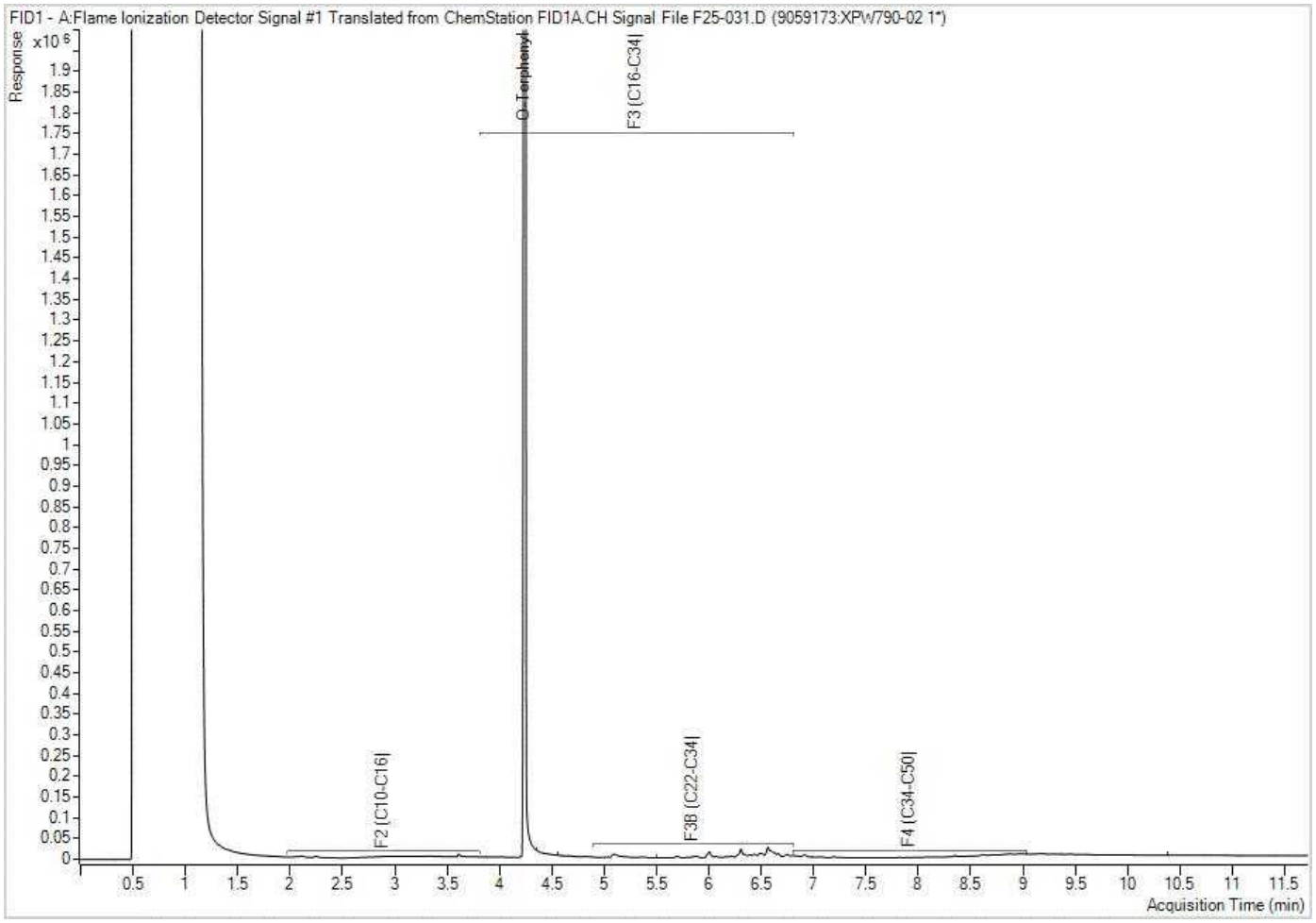



**Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.**

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW790

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH104_2.3-2.7

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

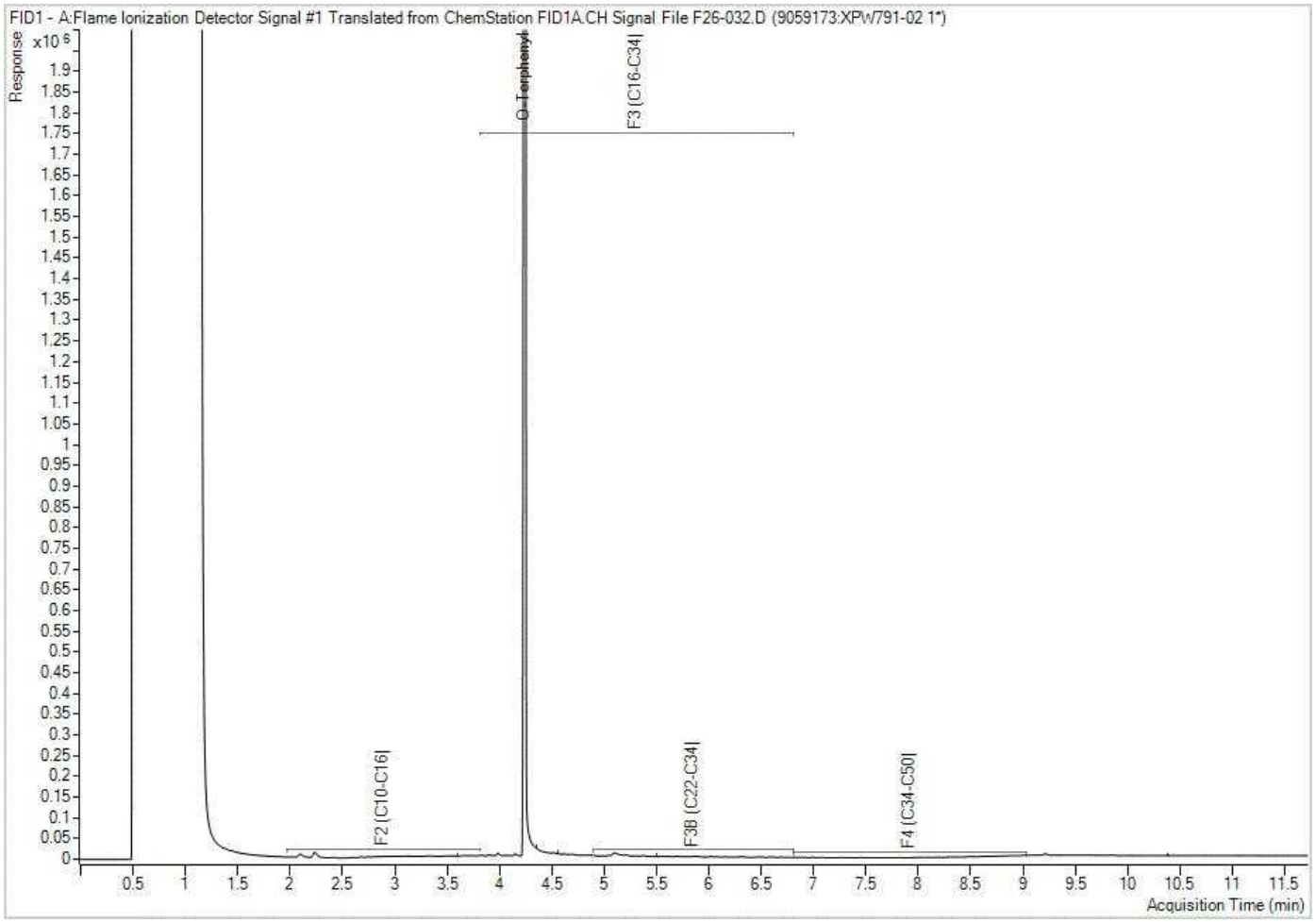



**Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.**

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW791

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH110_0.2-0.6

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

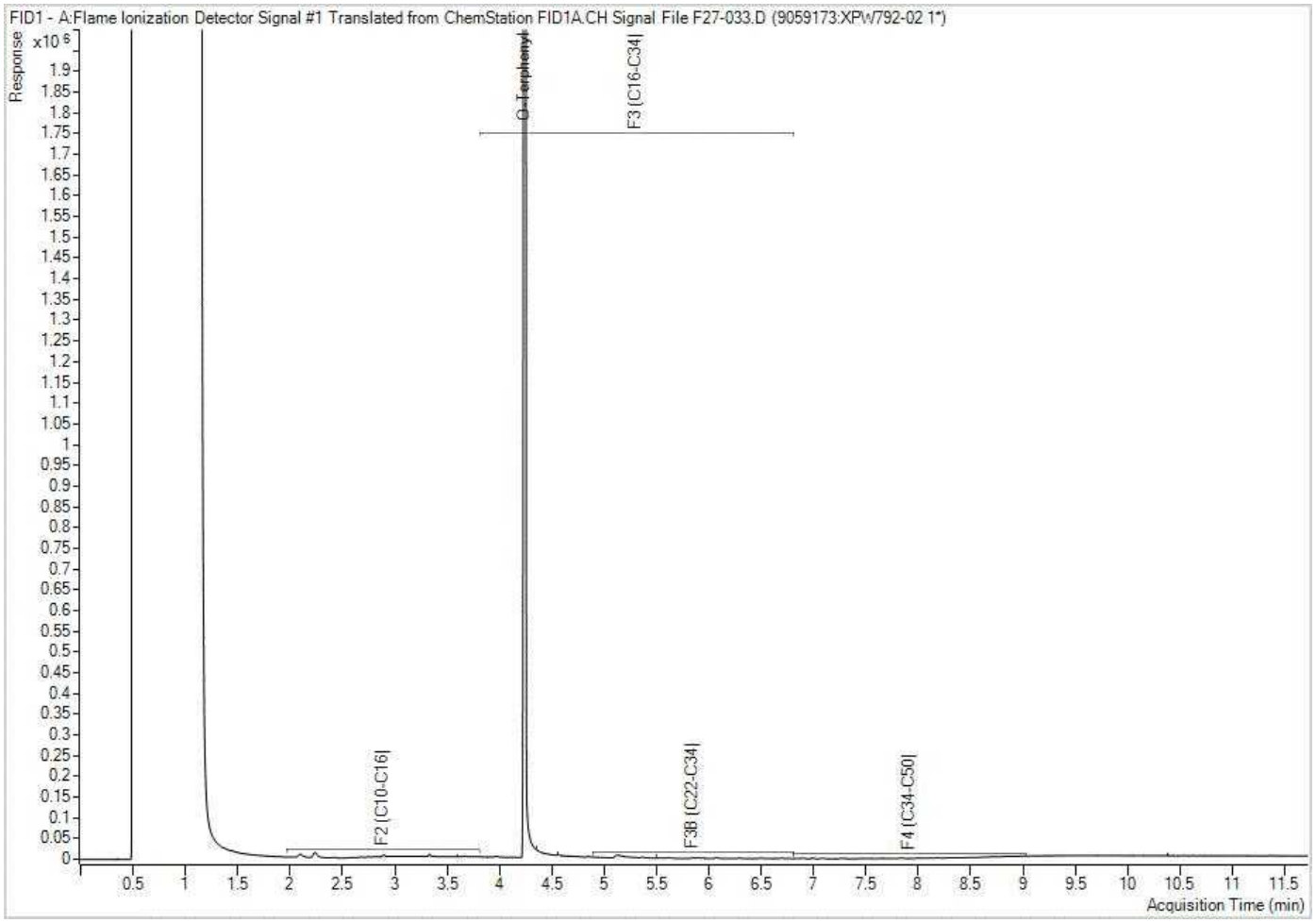



**Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.**

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW792

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH116_0.8-1.4

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**

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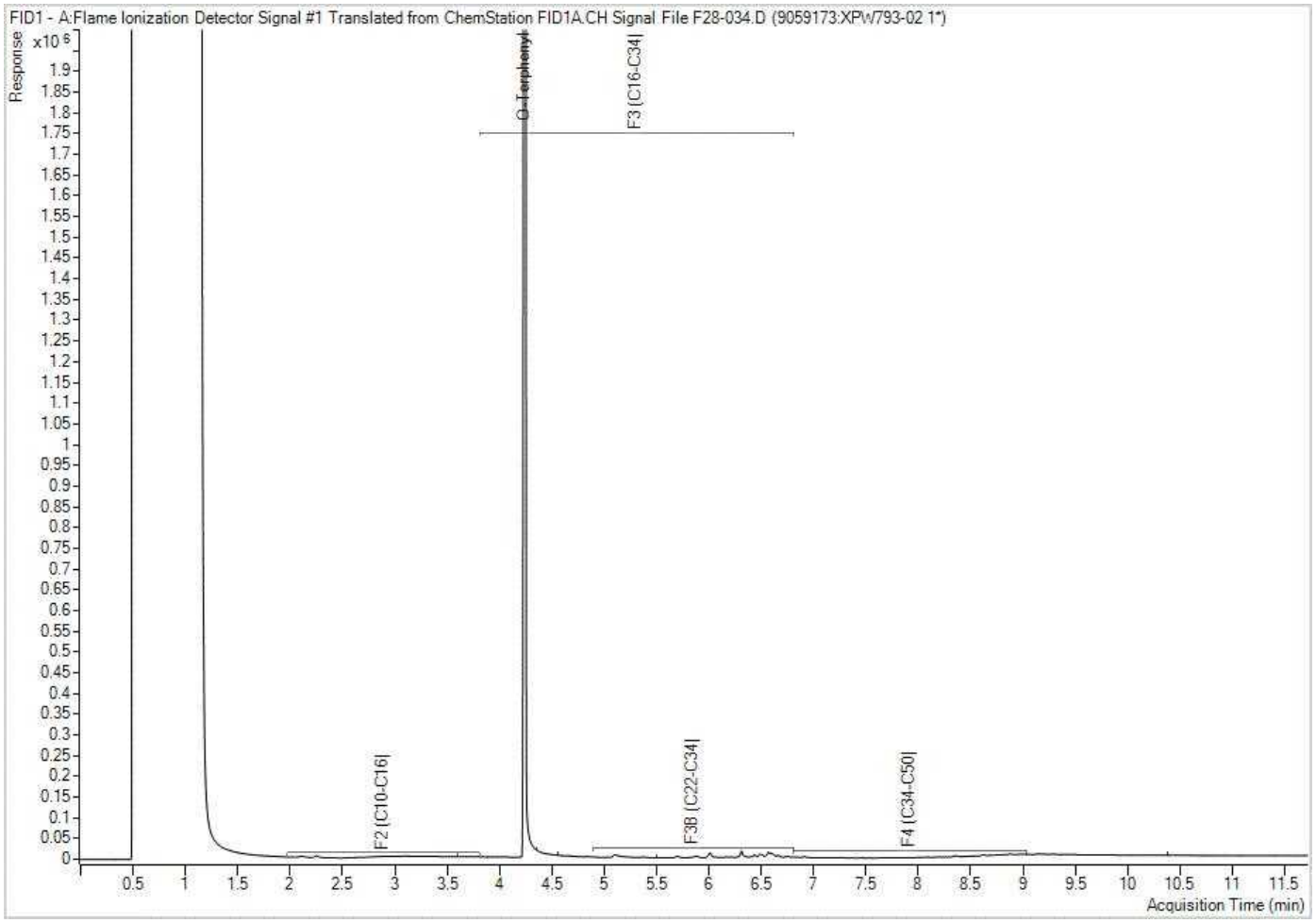
Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23
Bureau Veritas Sample: XPW793

Cambium Environmental Inc
Client Project #: 19060-001
Project name: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Client ID: BH105_3.0-3.6

**Petroleum Hydrocarbons F2-F4 in Soil Chromatogram**




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

Bureau Veritas Job #: C3AA541
Report Date: 2023/11/23

Cambium Environmental Inc
Client Project #: 19060-001
Site Location: CASSIE CAMPBELL COMMUNITY CENTRE CRICKET FIELD
Your P.O. #: 19060-001
Sampler Initials: EC

## Exceedance Summary Table – Reg 406 T1 Res (S)

### Result Exceedances

| Sample ID | Bureau Veritas ID | Parameter | Criteria | Result | DL | UNITS |
|---|---|---|---|---|---|---|
| BH101_1.5-2.1 | XPW780-03 | Toluene | 0.2 | 0.30 | 0.020 | ug/g |

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.


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

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www.paracellabs.com

# Certificate of Analysis

**Cambium Inc. (Whitby)**
223 Brock Street North
Whitby, ON L1N 4N6
Attn: Laura Fitzgerald

Client PO:
Project: 19060-001
Custody: 72324

Report Date: 26-Feb-2024
Order Date: 21-Feb-2024

**Order #: 2408156**

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

| Paracel ID | Client ID |
|---|---|
| 2408156-01 | BH201_1.5-2.1 |
| 2408156-02 | BH201_2.1-3.0 |

Approved By:

Milan Ralitsch, PhD

Senior Technical Manager

PARACEL LABORATORIES LTD.

**Order #: 2408156**

Certificate of Analysis

Report Date: 26-Feb-2024

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

Order Date: 21-Feb-2024

**Client PO:**

**Project Description: 19060-001**

## Analysis Summary Table

| Analysis | Method Reference/Description | Extraction Date | Analysis Date |
|---|---|---|---|
| BTEX by P&T GC-MS | EPA 8260 - P&T GC-MS | 23-Feb-24 | 26-Feb-24 |
| Solids, % | CWS Tier 1 - Gravimetric | 22-Feb-24 | 23-Feb-24 |

PARACEL LABORATORIES LTD.

**Order #: 2408156**

Certificate of Analysis

Report Date: 26-Feb-2024

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

Order Date: 21-Feb-2024

**Client PO:**

**Project Description: 19060-001**

# 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 406/19 -T1 Res/Park/Ind/Com | Reg 406/19 -T1 Agr |
|---|---|---|---|---|---|
| BH201_2.1-3.0 | Toluene | 0.05 ug/g | 0.65 | 0.2 ug/g | 0.2 ug/g |

PARACEL LABORATORIES LTD.

**Order #: 2408156**

Certificate of Analysis

Report Date: 26-Feb-2024

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

Order Date: 21-Feb-2024

**Client PO:**

**Project Description: 19060-001**

| | Client ID: | BH201_1.5-2.1 | BH201_2.1-3.0 | - | - | Criteria: | |
|---|---|---|---|---|---|---|---|
| | Sample Date: | 20-Feb-24 09:00 | 20-Feb-24 09:00 | - | - | Reg 406/19 -T1 Res/Park/Ind/Com | Reg 406/19 -T1 Agr |
| | Sample ID: | 2408156-01 | 2408156-02 | - | - | | |
| | Matrix: | Soil | Soil | - | - | | |
| | MDL/Units | | | | | | |
| **Physical Characteristics** | | | | | | | |
| % Solids | 0.1 % by Wt. | 83.7 | 77.5 | - | - | - | - |
| **Volatiles** | | | | | | | |
| Benzene | 0.02 ug/g | <0.02 | <0.02 | - | - | 0.02 ug/g | 0.02 ug/g |
| Ethylbenzene | 0.05 ug/g | <0.05 | <0.05 | - | - | 0.05 ug/g | 0.05 ug/g |
| Toluene | 0.05 ug/g | <0.05 | 0.65 | - | - | 0.2 ug/g | 0.2 ug/g |
| m,p-Xylenes | 0.05 ug/g | <0.05 | <0.05 | - | - | - | - |
| o-Xylene | 0.05 ug/g | <0.05 | <0.05 | - | - | - | - |
| Xylenes, total | 0.05 ug/g | <0.05 | <0.05 | - | - | 0.05 ug/g | 0.05 ug/g |
| Toluene-d8 | Surrogate | 107% | 107% | - | - | - | - |

PARACEL LABORATORIES LTD.

**Order #: 2408156**

Certificate of Analysis

Report Date: 26-Feb-2024

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

Order Date: 21-Feb-2024

**Client PO:**

**Project Description: 19060-001**

## Method Quality Control: Blank

| Analyte | Result | Reporting Limit | Units | %REC | %REC Limit | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | |
| Benzene | ND | 0.02 | ug/g | | | | | |
| Ethylbenzene | ND | 0.05 | ug/g | | | | | |
| Toluene | ND | 0.05 | 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: Toluene-d8* | *8.49* | | *%* | *106* | *50-140* | | | |

PARACEL LABORATORIES LTD.

**Order #: 2408156**

Certificate of Analysis

Report Date: 26-Feb-2024

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

Order Date: 21-Feb-2024

**Client PO:**

**Project Description: 19060-001**

## Method Quality Control: Duplicate

| Analyte | Result | Reporting Limit | Units | Source Result | %REC | %REC Limit | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Physical Characteristics** | | | | | | | | | |
| % Solids | 92.3 | 0.1 | % by Wt. | 92.4 | | | 0.0 | 25 | |
| **Volatiles** | | | | | | | | | |
| Benzene | ND | 0.02 | ug/g | ND | | | NC | 50 | |
| Ethylbenzene | ND | 0.05 | ug/g | ND | | | NC | 50 | |
| Toluene | ND | 0.05 | 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: Toluene-d8* | *7.52* | | *%* | | *107* | *50-140* | | | |

PARACEL LABORATORIES LTD.

**Order #: 2408156**

Certificate of Analysis

Report Date: 26-Feb-2024

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

Order Date: 21-Feb-2024

**Client PO:**

**Project Description: 19060-001**

## Method Quality Control: Spike

| Analyte | Result | Reporting Limit | Units | Source Result | %REC | %REC Limit | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | |
| Benzene | 3.77 | 0.02 | ug/g | ND | 93.8 | 60-130 | | | |
| Ethylbenzene | 3.79 | 0.05 | ug/g | ND | 94.3 | 60-130 | | | |
| Toluene | 3.76 | 0.05 | ug/g | ND | 94.1 | 60-130 | | | |
| m,p-Xylenes | 7.64 | 0.05 | ug/g | ND | 95.2 | 60-130 | | | |
| o-Xylene | 3.95 | 0.05 | ug/g | ND | 98.3 | 60-130 | | | |
| *Surrogate: Toluene-d8* | *8.02* | | *%* | | *99.9* | *50-140* | | | |

PARACEL LABORATORIES LTD.

**Order #: 2408156**

Certificate of Analysis

Report Date: 26-Feb-2024

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

Order Date: 21-Feb-2024

**Client PO:**

**Project Description: 19060-001**

**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

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

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

PARACEL LABORATORIES LTD.

Paracel ID: 2408156

Paracel Order Number (Lab Use Only): 2408156

Chain Of Custody (Lab Use Only) № 72324

Page 1 of 1

Client Name: Cambium-Inc.
Contact Name: Laura Fitzgerald, Curtis Edgington
Address: 223 Brock St. N, unit 7, whitby.
Telephone: 905-725-6280

Project Ref: 19060-001
Quote #: Standing order
PO #:
E-mail: laura.fitzgerald@cambium-inc.com
curtis.edgington@cambium-inc.com
ryan.ajo@cambium-inc.com

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

☐ REG 153/04 ☒ REG 406/19

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

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

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

| | Sample ID/Location Name | Matrix | Air Volume | # of Containers | Sample Taken: Date | Sample Taken: Time | PHCs | BTEX | SAR/EC | pH | Metals by ICP | Metals (Hold) | BTEX (Hold) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | BH201_1.5-2.1 | Soil | ✓ | 2 | Feb 20 | | | X | | | | | |
| 2 | BH201_2.1-3.0 | | ✓ | | | | | X | | | | | |
| 3 | BH202_1.5-2.1 | | ✓ | | | | | | | | | | |
| 4 | BH203_1.5-2.1 | | ✓ | | | | | | | | | | X |
| 5 | BH204_1.5-2.1 | | ✓ | | | | | | | | | | |
| 6 | BH205_1.5-2.1 | | ✓ | | | | | | | | | | |
| 7 | BH206_1.5-2.1 | | ✓ | | | | | | | | | | |
| 8 | BH207-1.5-2.1 | | ✓ | | | | | | | | | | |
| 9 | QAQC3 | | ✓ | | | | | | | | | | |
| 10 | QAQC4 | | ✓ | | | | | | | | | | |

Comments: Hold BH202 to BH207 & QAQC3 and

Method of Delivery: Rabbex

Relinquished By (Sign):
Relinquished By (Print): Ryan Ajo
Date/Time: Feb 21, 2024

Received at Depot:
Date/Time: 21-FEB-24, 12:10
Temperature: 8.1 °C

Received at Lab: C-PLY
Date/Time: 02122124 12:48
Temperature: 4.6 °C

Verified By: C-PLY
Date/Time: 02122124 14:41
pH Verified: ☐ By:

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# Certificate of Analysis

**Cambium Inc. (Whitby)**
223 Brock Street North, Unit 7
Whitby, ON L1N 4N6
Attn: Laura Fitzgerald

Client PO: 19060-001
Project: 19060-001
Custody: 143996, 143997

Report Date: 24-Apr-2024
Order Date: 12-Apr-2024

Revised Report

**Order #: 2415430**

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

| Paracel ID | Client ID |
|---|---|
| 2415430-01 | BH301_2.4-3.0 |
| 2415430-03 | BH302_2.4-3.0 |
| 2415430-05 | BH303_2.4-3.0 |
| 2415430-07 | BH401_2.4-3.0 |
| 2415430-09 | BH402_2.4-3.0 |
| 2415430-11 | BH403_2.4-3.0 |

Approved By:

Milan Ralitsch, PhD

Senior Technical Manager

PARACEL LABORATORIES LTD.

**Order #: 2415430**

Certificate of Analysis

Report Date: 24-Apr-2024

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

Order Date: 12-Apr-2024

**Client PO: 19060-001**

**Project Description: 19060-001**

## Analysis Summary Table

| Analysis | Method Reference/Description | Extraction Date | Analysis Date |
|---|---|---|---|
| BTEX by P&T GC-MS | EPA 8260 - P&T GC-MS | 12-Apr-24 | 15-Apr-24 |
| Solids, % | CWS Tier 1 - Gravimetric | 15-Apr-24 | 16-Apr-24 |

PARACEL LABORATORIES LTD.

**Order #: 2415430**

Certificate of Analysis

Report Date: 24-Apr-2024

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

Order Date: 12-Apr-2024

**Client PO: 19060-001**

**Project Description: 19060-001**

# 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 406/19 -T1 Res/Park/Ind/Com | Reg 406/19 -T1 Agr |
|---|---|---|---|---|---|

PARACEL LABORATORIES LTD.

**Order #: 2415430**

Certificate of Analysis

Report Date: 24-Apr-2024

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

Order Date: 12-Apr-2024

**Client PO: 19060-001**

**Project Description: 19060-001**

| | Client ID: | BH301_2.4-3.0 | BH302_2.4-3.0 | BH303_2.4-3.0 | BH401_2.4-3.0 | Criteria: | |
|---|---|---|---|---|---|---|---|
| | Sample Date: | 11-Apr-24 09:00 | 11-Apr-24 09:00 | 11-Apr-24 09:00 | 11-Apr-24 09:00 | Reg 406/19 -T1 Res/Park/Ind/Com | Reg 406/19 -T1 Agr |
| | Sample ID: | 2415430-01 | 2415430-03 | 2415430-05 | 2415430-07 | | |
| | Matrix: | Soil | Soil | Soil | Soil | | |
| | MDL/Units | | | | | | |
| **Physical Characteristics** | | | | | | | |
| % Solids | 0.1 % by Wt. | 84.8 | 87.1 | 83.7 | 84.6 | - | - |
| **Volatiles** | | | | | | | |
| Benzene | 0.02 ug/g | <0.02 | <0.02 | <0.02 | <0.02 | 0.02 ug/g | 0.02 ug/g |
| Ethylbenzene | 0.05 ug/g | <0.05 | <0.05 | <0.05 | <0.05 | 0.05 ug/g | 0.05 ug/g |
| Toluene | 0.05 ug/g | <0.05 | <0.05 | <0.05 | <0.05 | 0.2 ug/g | 0.2 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 | 0.05 ug/g | 0.05 ug/g |
| Toluene-d8 | Surrogate | 111% | 109% | 109% | 108% | - | - |

PARACEL LABORATORIES LTD.

**Order #: 2415430**

Certificate of Analysis

Report Date: 24-Apr-2024

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

Order Date: 12-Apr-2024

**Client PO: 19060-001**

**Project Description: 19060-001**

| | Client ID: | BH402_2.4-3.0 | BH403_2.4-3.0 | | | Criteria: | |
|---|---|---|---|---|---|---|---|
| | Sample Date: | 11-Apr-24 09:00 | 11-Apr-24 09:00 | | | Reg 406/19 -T1 Res/Park/Ind/Com | Reg 406/19 -T1 Agr |
| | Sample ID: | 2415430-09 | 2415430-11 | | | | |
| | Matrix: | Soil | Soil | | | | |
| | MDL/Units | | | | | | |
| **Physical Characteristics** | | | | | | | |
| % Solids | 0.1 % by Wt. | 85.6 | 82.2 | - | - | - | - |
| **Volatiles** | | | | | | | |
| Benzene | 0.02 ug/g | <0.02 | <0.02 | - | - | 0.02 ug/g | 0.02 ug/g |
| Ethylbenzene | 0.05 ug/g | <0.05 | <0.05 | - | - | 0.05 ug/g | 0.05 ug/g |
| Toluene | 0.05 ug/g | <0.05 | <0.05 | - | - | 0.2 ug/g | 0.2 ug/g |
| m,p-Xylenes | 0.05 ug/g | <0.05 | <0.05 | - | - | - | - |
| o-Xylene | 0.05 ug/g | <0.05 | <0.05 | - | - | - | - |
| Xylenes, total | 0.05 ug/g | <0.05 | <0.05 | - | - | 0.05 ug/g | 0.05 ug/g |
| Toluene-d8 | Surrogate | 108% | 108% | - | - | - | - |

PARACEL LABORATORIES LTD.

**Order #: 2415430**

Certificate of Analysis

Report Date: 24-Apr-2024

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

Order Date: 12-Apr-2024

**Client PO: 19060-001**

**Project Description: 19060-001**

## Method Quality Control: Blank

| Analyte | Result | Reporting Limit | Units | %REC | %REC Limit | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | |
| Benzene | ND | 0.02 | ug/g | | | | | |
| Ethylbenzene | ND | 0.05 | ug/g | | | | | |
| Toluene | ND | 0.05 | 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: Toluene-d8* | *8.50* | | *%* | *106* | *50-140* | | | |

PARACEL LABORATORIES LTD.

**Order #: 2415430**

Certificate of Analysis

Report Date: 24-Apr-2024

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

Order Date: 12-Apr-2024

**Client PO: 19060-001**

**Project Description: 19060-001**

## Method Quality Control: Duplicate

| Analyte | Result | Reporting Limit | Units | Source Result | %REC | %REC Limit | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Physical Characteristics** | | | | | | | | | |
| % Solids | 77.3 | 0.1 | % by Wt. | 77.9 | | | 0.7 | 25 | |
| **Volatiles** | | | | | | | | | |
| Benzene | ND | 0.02 | ug/g | ND | | | NC | 50 | |
| Ethylbenzene | ND | 0.05 | ug/g | ND | | | NC | 50 | |
| Toluene | ND | 0.05 | 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: Toluene-d8* | *14.5* | | *%* | | *108* | *50-140* | | | |

PARACEL LABORATORIES LTD.

**Order #: 2415430**

Certificate of Analysis

Report Date: 24-Apr-2024

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

Order Date: 12-Apr-2024

**Client PO: 19060-001**

**Project Description: 19060-001**

## Method Quality Control: Spike

| Analyte | Result | Reporting Limit | Units | Source Result | %REC | %REC Limit | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | |
| Benzene | 6.14 | 0.02 | ug/g | ND | 95.9 | 50-140 | | | |
| Ethylbenzene | 6.25 | 0.05 | ug/g | ND | 97.7 | 50-140 | | | |
| Toluene | 6.16 | 0.05 | ug/g | ND | 96.7 | 50-140 | | | |
| m,p-Xylenes | 12.4 | 0.05 | ug/g | ND | 96.9 | 50-140 | | | |
| o-Xylene | 6.30 | 0.05 | ug/g | ND | 98.4 | 50-140 | | | |
| *Surrogate: Toluene-d8* | *12.5* | | *%* | | *98.2* | *50-140* | | | |

PARACEL LABORATORIES LTD.

**Order #: 2415430**

Certificate of Analysis

Report Date: 24-Apr-2024

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

Order Date: 12-Apr-2024

**Client PO: 19060-001**

**Project Description: 19060-001**

**Qualifier Notes:**

**Sample Data Revisions:**

None

**Work Order Revisions / Comments:**

Revision-1: This report includes an updated parameter list, as per client.

**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.

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**Paracel ID: 2415430**

**Chain of Custody** (Lab Use Only) № 143996

Client Name: Cambrum Inc.
Contact Name: Laura. Fitzgerald /Accounting
Address: 223 Brock St N, Whitby.
Telephone:
Project Ref: 19060-001
Quote #:
PO #: 19060-001
E-mail: laura.fitzgerald@cambrum-inc.com

Page 1 of 2

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

☐ REG 153/04 ☑ REG 406/19

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

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

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

Required Analysis: ~~PHCs F1-F4~~+BTEX, VOCs, PAHs, Metals by ICP, Hg, CrVI, B (HWS)

| | Sample ID/Location Name | Matrix | Air Volume | # of Containers | Sample Taken Date | Sample Taken Time | ~~PHCs F1-F4~~+BTEX | VOCs | PAHs | Metals by ICP | Hg | CrVI | B (HWS) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | BH301-2.4-3.0 | S | | 2 | 2024/04/11 | | ✓ | | | | | | | |
| 2 | BH301-3.0-3.7 | S | | 2 | | | ✓ | | | | | | | Hold |
| 3 | BH302-2.4-3.0 | S | | 2 | | | ✓ | | | | | | | |
| 4 | BH302-3.0-3.7 | S | | 2 | | | ✓ | | | | | | | Hold. |
| 5 | BH303-2.4-3.0 | S | | 2 | | | ✓ | | | | | | | |
| 6 | BH303-3.0-3.7 | S | | 2 | | | ✓ | | | | | | | Hold. |
| 7 | BH401-2.4-3.0 | S | | 2 | | | ✓ | | | | | | | Hold |
| 8 | BH401-3.0-3.7 | S | | 2 | | | ✓ | | | | | | | Hold |
| 9 | BH402-2.4-3.0 | S | | 2 | | | ✓ | | | | | | | Hold |
| 10 | BH402-3.0-3.7 | S | | 2 | | | ✓ | | | | | | | Hold. |

Comments:

Method of Delivery: Drop off Drop box

Relinquished By (Sign): J.M
Relinquished By (Print): Kuberendra. J
Date/Time: 2024/04/11 5pm.

Received at Depot: 12-Apr-24 08:30
Date/Time: ~~2024/04/11 5pm~~
Temperature: 3.7 °C

Received at Lab: C-Ply
Date/Time: 04/12/24 11:45
Temperature: 4.3 °C

Verified By: C-Ply
Date/Time: 04/12/24 12:26
pH Verified: ☐ By:

Chain of Custody (Env) xlsx

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**Paracel ID: 2415430**

**Chain of Custody**
(Lab Use Only)
№ 143997

| | | |
|---|---|---|
| Client Name: Cambrum Inc. | Project Ref: 19060-001 | Page 2 of 2 |
| Contact Name: ~~Kim~~ Accounting | Quote #: | Turnaround Time: ☐ 1 day ☑ 3 day ☐ 2 day ☐ Regular |
| Address: 223 Brock St N, Whitby | PO #: 19060-001 | Date Required: |
| Telephone: | E-mail: Laura.fitzgerald@cambrum-inc.com | |

☐ REG 153/04 ☑ ~~REG~~ 406/19

☑ ~~Table~~ 1 ☑ ~~Res/Park~~ ☐ Med/Fine
☐ Table 2 ☑ ~~Ind/Comm~~ ☑ Coarse
☐ Table 3 ☑ Agri/Other
☐ 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)

| | Sample ID/Location Name | Matrix | Air Volume | # of Containers | Sample Taken: Date | Sample Taken: Time | ~~PHCs~~ F1-F4+BTEX | VOCs | PAHs | Metals by ICP | Hg | CrVI | B (HWS) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | BH403 - 2.4-3.0 | S | | 2 | 2024/04/11 | | ✓ | | | | | | | | | | | Hold |
| 2 | BH403 - 3.0-3.7 | S | | 2 | | | ✓ | | | | | | | | | | | Hold |
| 3 | BH404 - 2.4-3.0 | S | | 2 | | | ✓ | | | | | | | | | | | Hold |
| 4 | BH404 - 3.0-3.7 | S | | 2 | | | ✓ | | | | | | | | | | | Hold |
| 5 | BH405 - 2.4-3.0 | S | | 2 | | | ✓ | | | | | | | | | | | Hold |
| 6 | BH405 - 3.0-3.7 | S | | 2 | | | ✓ | | | | | | | | | | | Hold |
| 7 | BH406 - 2.4-3.0 | S | | 2 | | | ✓ | | | | | | | | | | | Hold |
| 8 | BH406 - 3-3.7 | S | | 2 | | | ✓ | | | | | | | | | | | Hold |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |

Comments:

Method of Delivery: Drop off DROP BOX

| | | | |
|---|---|---|---|
| Relinquished By (Sign): JL | Received at Depot: | Received at Lab: C-PLM | Verified By: C-PLM |
| Relinquished By (Print): Richmond To J | Date/Time: 12-APR-24 08:30 | Date/Time: 04/12/24 11:45 | Date/Time: 04/12/24 12:26 |
| Date/Time: 2024/04/11 5pm. | Temperature: 3.7 °C | Temperature: 4.3 °C | pH Verified: ☐ By: |

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244.3 mASL
**UTM:** 17T **N:** 4839012 **E:** 594474

**Log of Borehole:** BH101-23
Page: 1 of 1
**Date Completed** November 14, 2023

| Elevation (m) | Depth | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) 25 50 75 / % Moisture 25 50 75 | Shear Strength Cu, kPa (nat V., rem V.) 20 40 60 80 / SPT (N) 20 40 60 80 | Well Installation | Log Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 244.3 | 0 | **TOPSOIL:** ~130 mm thick | 244.17 / 0.13 | | | | | | | | |
| | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel, trace sand; brown (FILL); cohesive, W<PL, very stiff to stiff. Becomes grey, trace organics | | 1 | SS | 75 | 23 | 11.7% | 23 | | |
| 243.8 | 0.5 | | | | | | | | | | |
| 243.3 | 1 | | | 2 | SS | 100 | 11 | 19.1% | 11 | | |
| 242.8 | 1.5 | | | 3 | SS | 100 | 12 | 20.4% | 12 | | |
| | | | 242.47 / 1.83 | | | | | | | | |
| 242.3 | 2 | **(ML) CLAYEY SILT:** (ML) CLAYEY SILT, some sand, some gravel; brown (TILL); non-cohesive, W<PL, very stiff to hard | | | | | | | | | |
| 241.8 | 2.5 | | | 4 | SS | 100 | 21 | 13.4% | 21 | | |
| 241.3 | 3 | | | | | | | | | | |
| 240.8 | 3.5 | | | 5 | SS | 100 | 17 | 13.4% | 17 | | |
| 240.3 | 4 | | | | | | | | | | |
| 239.8 | 4.5 | | | 6 | SS | 100 | 45 | 11.6% | 45 | | Borehole open and dry upon completion of drilling. |
| 239.3 | 5 | | 239.27 / 5.03 | | | | | | | | |
| | | Borehole terminated @ 5 mbgs due to target depth achieved. | | | | | | | | | |
| 238.8 | 5.5 | | | | | | | | | | |
| 238.3 | 6 | | | | | | | | | | |
| 237.8 | 6.5 | | | | | | | | | | |
| 237.3 | 7 | | | | | | | | | | |
| 236.8 | | | | | | | | | | | |

1m = 24 units

| GRAINSIZE DISTRIBUTION | SAMPLE | GRAVEL | SAND | SILT | CLAY |
|---|---|---|---|---|---|
| | SS4 | 10 | 19 | 43 | 28 |

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

CAMBIUM

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244.3 mASL
**UTM:** 17T **N:** 4839093 **E:** 594540

**Log of Borehole:** BH102-23
Page: 1 of 1
**Date Completed** November 14, 2023

| SUBSURFACE PROFILE | | | | SAMPLE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Elevation (m) / Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI; % Moisture 25 50 75 | Shear Strength Cu, kPa (nat V., rem V.); SPT (N) 20 40 60 80 | Well Installation | Log Notes |
| 244.3 / 0 | | **TOPSOIL:** ~150 mm thick | 244.15 / 0.15 | | | | | | | | |
| 243.8 / 0.5 | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel; brown (reworked native); cohesive, W<PL, stiff to very stiff<br>Trace organics | | 1 | SS | 100 | 12 | 12.1% | 12 | | |
| 243.3 / 1 | | | | 2 | SS | 100 | 15 | 14.7% | 15 | | |
| 242.8 / 1.5 | | Becomes grey | | 3 | SS | 100 | 20 | 19.5% | 20 | | |
| 242.3 / 2 | | | 242.17 / 2.13 | | | | | | | | |
| 241.8 / 2.5 | | **(ML) CLAYEY SILT:** (ML) CLAYEY SILT, some sand, trace gravel; grey; cohesive, W<PL, stiff | | 4 | SS | 100 | 14 | 24.6% | 14 | | |
| 241.3 / 3 | | Trace organics | | 5 | SS | 100 | 14 | 21.7% | 14 | | |
| 240.8 / 3.5 | | | | | | | | | | | |
| 240.3 / 4 | | | 240.26 / 4.04 | | | | | | | | |
| 239.8 / 4.5 | | **(ML) sandy SILT:** (ML) Clayey Sandy SILT, trace clay, trace gravel; brown (TILL); non-cohesive, moist, compact | | 6 | SS | 100 | 24 | 11.8% | 24 | | Borehole open and dry upon completion of drilling. |
| 239.3 / 5 | | | 239.27 / 5.03 | | | | | | | | |
| 238.8 / 5.5 | | Borehole terminated @ 5 mbgs due to target depth achieved. | | | | | | | | | |
| 238.3 / 6 | | | | | | | | | | | |
| 237.8 / 6.5 | | | | | | | | | | | |
| 237.3 / 7 | | | | | | | | | | | |
| 236.8 | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

CAMBIUM

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 243.9 mASL
**UTM:** 17T **N:** 4839097 **E:** 594575

**Log of Borehole:** BH103-23
Page: 1 of 1
**Date Completed:** November 14, 2-23

| SUBSURFACE PROFILE | | | | SAMPLE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Elevation (m) / Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI; % Moisture 25 50 75 | Shear Strength Cu, kPa (nat V., rem V.); SPT (N) 20 40 60 80 | Well Installation | Log Notes |
| 243.9 / 0 | | **TOPSOIL:** ~150 mm thick | 243.75 / 0.15 | | | | | | | | |
| 243.4 / 0.5 | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel, trace clay; brown (reworked native); cohesive, W<PL, stiff to very stiff | | 1 | SS | 75 | 12 | 12.1% | 12 | | |
| 242.9 / 1 | | | | 2 | SS | 100 | 16 | 14.5% | 16 | | |
| 242.4 / 1.5 | | Becomes grey, trace organics | | 3 | SS | 100 | 16 | | 16 | | |
| 241.9 / 2 | | | 241.77 / 2.13 | | | | | | | | |
| 241.4 / 2.5 | | **(ML) CLAYEY SILT:** (ML) CLAYEY SILT, some sand, trace gravel; grey; cohesive, W<PL, stiff to very stiff | | 4 | SS | 100 | 13 | 22.4% | 13 | | |
| 240.9 / 3 | | | | 5 | SS | 100 | 16 | 20.4% | 16 | | |
| 240.4 / 3.5 | | | | | | | | | | | |
| 239.9 / 4 | | | 239.86 / 4.04 | | | | | | | | |
| 239.4 / 4.5 | | **(ML) sandy SILT:** (ML) Clayey Sandy SILT, some sand, trace gravel; brown (TILL); non-cohesive, moist, dense | | 6 | SS | 100 | 35 | 12.2% | 35 | | Borehole open and dry upon completion of drilling. |
| 238.9 / 5 | | | 238.87 / 5.03 | | | | | | | | |
| 238.4 / 5.5 | | Borehole terminated @ 5 mbgs due to target depth achieved. | | | | | | | | | |
| 237.9 / 6 | | | | | | | | | | | |
| 237.4 / 6.5 | | | | | | | | | | | |
| 236.9 / 7 | | | | | | | | | | | |
| 236.4 | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

CAMBIUM

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 243.8 mASL
**UTM:** 17T **N:** 4839086 **E:** 594611

**Log of Borehole:** BH104-23
Page: 1 of 1
**Date Completed** November 15, 2023

| Elevation (m) | Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI / % Moisture 25 50 75 | Shear Strength Cu, kPa nat V. rem V. / SPT (N) 20 40 60 80 | Well Installation | Log Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 243.8 | 0 | | **TOPSOIL:** ~130 mm thick | 243.67 / 0.13 | | | | | | | | |
| 243.3 | 0.5 | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel; brown (reworked native); cohesive, W<PL, stiff to very stiff | | 1 | SS | 100 | 14 | 13.2% | 14 | | |
| 242.8 | 1 | | | | 2 | SS | 100 | 20 | 14% | 20 | | |
| 242.3 | 1.5 | | **(ML) CLAYEY SILT:** (ML) CLAYEY SILT, some sand, trace gravel; grey, trace organics; cohesive, W<PL, very stiff to stiff | 242.43 / 1.37 | 3 | SS | 100 | 18 | 17.8% | 18 | | |
| 241.8 | 2 | | | | | | | | | | | |
| 241.3 | 2.5 | | | | 4 | SS | 100 | 14 | 20.1% | 14 | | |
| 240.8 | 3 | | | | | | | | | | | |
| 240.3 | 3.5 | | | | 5 | SS | 100 | 12 | 26.9% | 12 | | |
| 239.8 | 4 | | | 239.76 | | | | | | | | |
| 239.3 | 4.5 | | **(ML) sandy SILT:** (ML) Clayey Sandy SILT, trace gravel, some clay; brown (TILL); non-cohesive, moist, compact | 4.04 | 6 | SS | 100 | 13 | 15.8% | 13 | | Borehole open and dry upon completion of drilling. |
| 238.8 | 5 | | | 238.77 | | | | | | | | |
| 238.3 | 5.5 | | Borehole terminated @ 5 mbgs due to target depth achieved. | 5.03 | | | | | | | | |
| 237.8 | 6 | | | | | | | | | | | |
| 237.3 | 6.5 | | | | | | | | | | | |
| 236.8 | 7 | | | | | | | | | | | |
| 236.3 | | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

CAMBIUM

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244.1 mASL
**UTM:** 17T **N:** 4839051 **E:** 594614

**Log of Borehole:** BH105-23
Page: 1 of 1
**Date Completed** November 15, 2023

| SUBSURFACE PROFILE | | | | SAMPLE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Elevation (m) / Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI; % Moisture 25 50 75 | Shear Strength Cu, kPa (nat V., rem V.); SPT (N) 20 40 60 80 | Well Installation | Log Notes |
| 244.1 / 0 | | **TOPSOIL:** ~150 mm thick | 243.95 / 0.15 | | | | | | | | |
| 243.6 / 0.5 | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel; brown (reworked native); cohesive, W<PL, stiff<br>Trace organics | | 1 | SS | 100 | 9 | 22.9% | 9 | | |
| 243.1 / 1 | | | | 2 | SS | 100 | 14 | 17.4% | 14 | | |
| 242.6 / 1.5 | | | | 3 | SS | 100 | 13 | 16.5% | 13 | | |
| 242.1 / 2 | | | 241.97 / 2.13 | | | | | | | | |
| 241.6 / 2.5 | | **(ML) CLAYEY SILT:** (ML) CLAYEY SILT, some sand, trace gravel; grey; cohesive, W<PL, stiff to very stiff | | 4 | SS | 100 | 14 | 22.2% | 14 | | |
| 241.1 / 3 | | | | 5 | SS | 100 | 16 | 20.6% | 16 | | |
| 240.6 / 3.5 | | | | | | | | | | | |
| 240.1 / 4 | | | 240.06 / 4.04 | | | | | | | | |
| 239.6 / 4.5 | | **(ML) sandy SILT:** (ML) Clayey Sandy SILT, trace gravel, trace clay; brown (TILL); non-cohesive, moist, compact | | 6 | SS | 100 | 24 | 14.1% | 24 | | Borehole open and dry upon completion of drilling. |
| 239.1 / 5 | | | 239.07 / 5.03 | | | | | | | | |
| 238.6 / 5.5 | | Borehole terminated @ 5 mbgs due to target depth achieved. | | | | | | | | | |
| 238.1 / 6 | | | | | | | | | | | |
| 237.6 / 6.5 | | | | | | | | | | | |
| 237.1 / 7 | | | | | | | | | | | |
| 236.6 | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

CAMBIUM

**Client:**

**Contractor:** DrillTech Drilling

**Project No.:** 19060-001

**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre

**Method:** Track Mounted Solid Stem Auger

**Elevation:** 244.3 mASL

**UTM:** 17T **N:** 4838991 **E:** 594563

**Log of Borehole:** BH106-23

Page: 1 of 1

**Date Completed** November 15, 2023

| Elevation (m) | Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI — 25 50 75 / % Moisture 25 50 75 | Shear Strength Cu, kPa nat V. rem V. — 20 40 60 80 / SPT (N) 20 40 60 80 | Well Installation | Log Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244.3 | 0 | | **TOPSOIL:** ~165 mm thick | 244.13 / 0.17 | | | | | | | | |
| 243.8 | 0.5 | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel, trace clay; brown (reworked native); cohesive, W<PL, stiff to very stiff | | 1 | SS | 100 | 12 | 9.6% | 12 | | |
| 243.3 | 1 | | | | 2 | SS | 100 | 16 | 14.2% | 16 | | |
| 242.8 | 1.5 | | Trace organics | | 3 | SS | 100 | 13 | | 13 | | |
| 242.3 | 2 | | | 242.17 / 2.13 | | | | | | | | |
| 241.8 | 2.5 | | **(ML) CLAYEY SILT:** (ML) CLAYEY SILT, some sand, trace gravel; grey, trace organics; cohesive, W<PL, sitff | | 4 | SS | 100 | 14 | 23.5% | 14 | | |
| 241.3 | 3 | | | | 5 | SS | 100 | 9 | 23.3% | 9 | | |
| 240.8 | 3.5 | | | | | | | | | | | |
| 240.3 | 4 | | | 240.26 / 4.04 | | | | | | | | |
| 239.8 | 4.5 | | **(ML) sandy SILT:** (ML) Clayey Sandy SILT, trace gravel; brown (TILL); non-cohesive, moist, dense | | 6 | SS | 100 | 38 | 12.2% | 38 | | Borehole open and dry upon completion of drilling. |
| 239.3 | 5 | | | 239.27 / 5.03 | | | | | | | | |
| 238.8 | 5.5 | | Borehole terminated @ 5 mbgs due to target depth achieved. | | | | | | | | | |
| 238.3 | 6 | | | | | | | | | | | |
| 237.8 | 6.5 | | | | | | | | | | | |
| 237.3 | 7 | | | | | | | | | | | |
| 236.8 | | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION

| SAMPLE | GRAVEL | SAND | SILT | CLAY |
|---|---|---|---|---|
| SS6 | 9 | 20 | 48 | 23 |

1m = 24 units

**Logged By:** EC

**Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

CAMBIUM

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244 mASL
**UTM:** 17T **N:** 4838944 **E:** 594517

**Log of Borehole:** BH107-23
Page: 1 of 1
**Date Completed** November 14, 2023

| Elevation (m) | Depth | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) 25 50 75 / % Moisture 25 50 75 | Shear Strength Cu, kPa (nat V., rem V.) 20 40 60 80 / SPT (N) 20 40 60 80 | Well Installation | Log Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 244 | 0 | **TOPSOIL:** ~200 mm thick | 243.8 / 0.2 | | | | | | | | |
| | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel; brown (reworked native); cohesive, W<PL, very stiff<br>Trace organics | | 1 | SS | 80 | 23 | 10.3% | 23 | | |
| 243.5 | 0.5 | | | | | | | | | | |
| 243 | 1 | | | 2 | SS | 100 | 15 | 20% | 15 | | |
| 242.5 | 1.5 | Becomes grey | | | | | | | | | |
| | | | | 3 | SS | 100 | 16 | 22.2% | 16 | | |
| 242 | 2 | | 241.87 / 2.13 | | | | | | | | |
| 241.5 | 2.5 | **(ML) CLAYEY SILT:** (ML) CLAYEY SILT, some sand, trace gravel; mottled brown-grey; cohesive, W<PL, very stiff | | 4 | SS | 100 | 14 | 26.4% | 14 | | |
| 241 | 3 | | | | | | | | | | |
| | | | | 5 | SS | 100 | 23 | 16.4% | 23 | | |
| 240.5 | 3.5 | | | | | | | | | | |
| 240 | 4 | | 239.96 / 4.04 | | | | | | | | |
| 239.5 | 4.5 | **(ML) sandy SILT:** (ML) Clayey Sandy SILT, trace gravel; brown (TILL); non-cohesive, moist, dense | | 6 | SS | 100 | 35 | 12% | 35 | | Borehole open and dry upon completion of drilling. |
| 239 | 5 | | 238.97 / 5.03 | | | | | | | | |
| | | Borehole terminated @ 5 mbgs due to target depth achieved. | | | | | | | | | |
| 238.5 | 5.5 | | | | | | | | | | |
| 238 | 6 | | | | | | | | | | |
| 237.5 | 6.5 | | | | | | | | | | |
| 237 | 7 | | | | | | | | | | |
| 236.5 | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 243.9 mASL
**UTM:** 17T **N:** 4838949 **E:** 594537

**Log of Borehole:** BH108-23
Page: 1 of 1
**Date Completed** November 15, 2023

| SUBSURFACE PROFILE | | | | SAMPLE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Elevation (m) / Depth | Lithology | Description (Elevation / Depth) | | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI; % Moisture 25 50 75 | Shear Strength Cu, kPa (nat V., rem V.); SPT (N) 20 40 60 80 | Well Installation | Log Notes |
| 243.9 / 0 | | **TOPSOIL:** ~130 mm thick | 243.77 / 0.13 | | | | | | | | |
| 243.4 / 0.5 | | **FILL:** (ML) CLAYEY SILT, trace gravel; brown (reworked native); cohesive, W<PL, stiff to very stiff<br>Becomes grey, some organics | | 1 | SS | 100 | 12 | | 12 | | |
| 242.9 / 1 | | | | 2 | SS | 100 | 16 | | 16 | | |
| 242.4 / 1.5 | | | | 3 | SS | 100 | 18 | | 18 | | Borehole open and dry upon completion of drilling. |
| 241.9 / 2 | | | 241.92 / 1.98 | | | | | | | | |
| 241.4 / 2.5 | | Borehole terminated @ 2 mbgs due to target depth achieved. | | | | | | | | | |
| 240.9 / 3 | | | | | | | | | | | |
| 240.4 / 3.5 | | | | | | | | | | | |
| 239.9 / 4 | | | | | | | | | | | |
| 239.4 / 4.5 | | | | | | | | | | | |
| 238.9 / 5 | | | | | | | | | | | |
| 238.4 / 5.5 | | | | | | | | | | | |
| 237.9 / 6 | | | | | | | | | | | |
| 237.4 / 6.5 | | | | | | | | | | | |
| 236.9 / 7 | | | | | | | | | | | |
| 236.4 | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244.9 mASL
**UTM:** 17T **N:** 4838973 **E:** 594561

**Log of Borehole:** BH109-23
Page: 1 of 1
**Date Completed** November 14, 2023

| Elevation (m) | Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI 25 50 75 / % Moisture 25 50 75 | Shear Strength Cu, kPa nat V. rem V. 20 40 60 80 / SPT (N) 20 40 60 80 | Well Installation | Log Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244.9 | 0 | | **TOPSOIL:** ~150 mm thick | 244.77 / 0.13 | | | | | | | | |
| 244.4 | 0.5 | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel, brown (reworked native); cohesive, W<PL, firm to stiff | | 1 | SS | 100 | 9 | 14.2% | 9 | | |
| 243.9 | 1 | | | | 2 | SS | 100 | 12 | 14.7% | 12 | | |
| 243.4 | 1.5 | | Becomes grey, trace organics | | 3 | SS | 100 | 14 | 23.1% | 14 | | Borehole open and dry upon completion of drilling. |
| 242.9 | 2 | | | 242.92 / 1.98 | | | | | | | | |
| 242.4 | 2.5 | | Borehole terminated @ 2 mbgs due to target depth achieved. | | | | | | | | | |
| 241.9 | 3 | | | | | | | | | | | |
| 241.4 | 3.5 | | | | | | | | | | | |
| 240.9 | 4 | | | | | | | | | | | |
| 240.4 | 4.5 | | | | | | | | | | | |
| 239.9 | 5 | | | | | | | | | | | |
| 239.4 | 5.5 | | | | | | | | | | | |
| 238.9 | 6 | | | | | | | | | | | |
| 238.4 | 6.5 | | | | | | | | | | | |
| 237.9 | 7 | | | | | | | | | | | |
| 237.4 | | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

CAMBIUM

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244.2 mASL
**UTM:** 17T **N:** 4838978 **E:** 594578

**Log of Borehole:** BH110-23
Page: 1 of 1
**Date Completed** November 15, 2023

| SUBSURFACE PROFILE | | | | SAMPLE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Elevation (m) / Depth | Lithology | Description (Elevation / Depth) | | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI; 25 50 75; % Moisture 25 50 75 | Shear Strength Cu, kPa nat V. rem V.; 20 40 60 80; SPT (N) 20 40 60 80 | Well Installation | Log Notes |
| 244.2 / 0 | | **TOPSOIL:** ~150 mm thick | 244.05 / 0.15 | | | | | | | | |
| 243.7 / 0.5 | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel; brown (reworked native); cohesive, W<PL, stiff<br>Trace organics, becomes grey | | 1 | SS | 100 | 10 | 13.6% | 10 | | |
| 243.2 / 1 | | | | 2 | SS | 100 | 10 | 20.7% | 10 | | |
| 242.7 / 1.5 | | | | 3 | SS | 100 | 14 | 20.8% | 14 | | Borehole open and dry upon completion of drilling. |
| 242.2 / 2 | | | 242.22 / 1.98 | | | | | | | | |
| 241.7 / 2.5 | | Borehole terminated @ 2 mbgs due to target depth achieved. | | | | | | | | | |
| 241.2 / 3 | | | | | | | | | | | |
| 240.7 / 3.5 | | | | | | | | | | | |
| 240.2 / 4 | | | | | | | | | | | |
| 239.7 / 4.5 | | | | | | | | | | | |
| 239.2 / 5 | | | | | | | | | | | |
| 238.7 / 5.5 | | | | | | | | | | | |
| 238.2 / 6 | | | | | | | | | | | |
| 237.7 / 6.5 | | | | | | | | | | | |
| 237.2 / 7 | | | | | | | | | | | |
| 236.7 | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

CAMBIUM

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 243 mASL
**UTM:** 17T **N:** 4838977 **E:** 594594

**Log of Borehole:** BH111-23
Page: 1 of 1
**Date Completed** November 14, 2023

| SUBSURFACE PROFILE | | | | SAMPLE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Elevation (m) / Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI; % Moisture 25 50 75 | Shear Strength Cu, kPa (nat V., rem V.); SPT (N) 20 40 60 80 | Well Installation | Log Notes |
| 243 / 0 | | **ASPHALT:** ~115 mm thick | 242.89 / 0.11 | | | | | | | | |
| 242.5 / 0.5 | | **FILL:** (SP/GP) SAND and GRAVEL; brown (Granular FILL); non-cohesive, moist, loose | 242.73 / 0.27 | 1 | SS | 50 | 6 | 19.7% | 6 | | |
| 242 / 1 | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel; brown (reworked native); cohesive, W<PL, stiff | | 2 | SS | 100 | 10 | 15.2% | 10 | | |
| 241.5 / 1.5 | | | | | | | | | | | Borehole open and dry upon completion of drilling. |
| 241 / 2 | | | 241.02 / 1.98 | 3 | SS | 100 | 10 | 12.6% | 10 | | |
| 240.5 / 2.5 | | Borehole terminated @ 2 mbgs due to target depth achieved. | | | | | | | | | |
| 240 / 3 | | | | | | | | | | | |
| 239.5 / 3.5 | | | | | | | | | | | |
| 239 / 4 | | | | | | | | | | | |
| 238.5 / 4.5 | | | | | | | | | | | |
| 238 / 5 | | | | | | | | | | | |
| 237.5 / 5.5 | | | | | | | | | | | |
| 237 / 6 | | | | | | | | | | | |
| 236.5 / 6.5 | | | | | | | | | | | |
| 236 / 7 | | | | | | | | | | | |
| 235.5 | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244.2 mASL
**UTM:** 17T **N:** 4839007 **E:** 594592

**Log of Borehole:** BH112-23
Page: 1 of 1
**Date Completed** November 15, 2023

| Elevation (m) | Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI 25 50 75 / % Moisture 25 50 75 | Shear Strength Cu, kPa nat V. rem V. 20 40 60 80 / SPT (N) 20 40 60 80 | Well Installation | Log Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244.2 | 0 | | **TOPSOIL:** ~150 mm thick | 244.05 / 0.15 | | | | | | | | |
| 243.7 | 0.5 | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel; brown to grey (reworked native); cohesive, W<PL, stiff to very stiff. Some organics | | 1 | SS | 80 | 9 | 16% | 9 | | |
| 243.2 | 1 | | | | 2 | SS | 100 | 16 | 17.4% | 16 | | |
| 242.7 | 1.5 | | | | 3 | SS | 100 | 15 | 20.1% | 15 | | Borehole open and dry upon completion of drilling. |
| 242.2 | 2 | | | 242.22 / 1.98 | | | | | | | | |
| 241.7 | 2.5 | | Borehole terminated @ 2 mbgs due to target depth achieved. | | | | | | | | | |
| 241.2 | 3 | | | | | | | | | | | |
| 240.7 | 3.5 | | | | | | | | | | | |
| 240.2 | 4 | | | | | | | | | | | |
| 239.7 | 4.5 | | | | | | | | | | | |
| 239.2 | 5 | | | | | | | | | | | |
| 238.7 | 5.5 | | | | | | | | | | | |
| 238.2 | 6 | | | | | | | | | | | |
| 237.7 | 6.5 | | | | | | | | | | | |
| 237.2 | 7 | | | | | | | | | | | |
| 236.7 | | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244.2 mASL
**UTM:** 17T **N:** 4839033 **E:** 594608

**Log of Borehole:** BH113-23
Page: 1 of 1
**Date Completed** November 15, 2023

| Elevation (m) | Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI 25 50 75 / % Moisture 25 50 75 | Shear Strength Cu, kPa nat V. rem V. 20 40 60 80 / SPT (N) 20 40 60 80 | Well Installation | Log Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244.2 | 0 | | **TOPSOIL:** ~150 mm thick | 244.05 / 0.15 | | | | | | | | |
| 243.7 | 0.5 | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel; brown to grey (reworked native); cohesive, W<PL, stiff to very stiff. Trace organics | | 1 | SS | 100 | 10 | 16.3% | 10 | | |
| 243.2 | 1 | | | | 2 | SS | 100 | 15 | 17.8% | 15 | | |
| 242.7 | 1.5 | | | | 3 | SS | 100 | 18 | 19.9% | 18 | | Borehole open and dry upon completion of drilling. |
| 242.2 | 2 | | | 242.22 / 1.98 | | | | | | | | |
| 241.7 | 2.5 | | Borehole terminated @ 2 mbgs due to target depth achieved. | | | | | | | | | |
| 241.2 | 3 | | | | | | | | | | | |
| 240.7 | 3.5 | | | | | | | | | | | |
| 240.2 | 4 | | | | | | | | | | | |
| 239.7 | 4.5 | | | | | | | | | | | |
| 239.2 | 5 | | | | | | | | | | | |
| 238.7 | 5.5 | | | | | | | | | | | |
| 238.2 | 6 | | | | | | | | | | | |
| 237.7 | 6.5 | | | | | | | | | | | |
| 237.2 | 7 | | | | | | | | | | | |
| 236.7 | | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

CAMBIUM

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244.2 mASL
**UTM:** 17T **N:** 4838977 **E:** 594487

**Log of Borehole:** BH114-23
Page: 1 of 1
**Date Completed** November 14, 2023

| Elevation (m) | Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI 25 50 75 / % Moisture 25 50 75 | Shear Strength Cu, kPa nat V. rem V. 20 40 60 80 / SPT (N) 20 40 60 80 | Well Installation | Log Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244.2 | 0 | | **TOPSOIL:** ~150 mm thick | 244.05 | | | | | | | | |
| | | | **FILL:** (ML) Clayey Sandy SILT, trace gravel; brown (reworked native); non-cohesive, moist, compact | 0.15 | 1 | SS | 100 | 18 | 11.6% | 18 | | |
| 243.7 | 0.5 | | Trace organics | | | | | | | | | |
| 243.2 | 1 | | | | 2 | SS | 100 | 23 | 21.9% | 23 | | |
| 242.7 | 1.5 | | Becomes grey | | | | | | | | | Borehole open and dry upon completion of drilling. |
| | | | | | 3 | SS | 100 | 19 | 24.2% | 19 | | |
| 242.2 | 2 | | | 242.22 | | | | | | | | |
| | | | Borehole terminated @ 2 mbgs due to target depth achieved. | 1.98 | | | | | | | | |
| 241.7 | 2.5 | | | | | | | | | | | |
| 241.2 | 3 | | | | | | | | | | | |
| 240.7 | 3.5 | | | | | | | | | | | |
| 240.2 | 4 | | | | | | | | | | | |
| 239.7 | 4.5 | | | | | | | | | | | |
| 239.2 | 5 | | | | | | | | | | | |
| 238.7 | 5.5 | | | | | | | | | | | |
| 238.2 | 6 | | | | | | | | | | | |
| 237.7 | 6.5 | | | | | | | | | | | |
| 237.2 | 7 | | | | | | | | | | | |
| 236.7 | | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244.9 mASL
**UTM:** 17T **N:** 4839020 **E:** 594535

**Log of Borehole:** BH115-23
Page: 1 of 1
**Date Completed** November 14, 2023

| Elevation (m) | Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI 25 50 75 / % Moisture 25 50 75 | Shear Strength Cu, kPa nat V. rem V. 20 40 60 80 / SPT (N) 20 40 60 80 | Well Installation | Log Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244.9 | 0 | | **TOPSOIL:** ~150 mm thick | 244.75 / 0.15 | | | | | | | | |
| 244.4 | 0.5 | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel; brown (reworked native); cohesive, W<PL, stiff to very stiff | | 1 | SS | 40 | 8 | 17.1% | 8 | | |
| 243.9 | 1 | | | | 2 | SS | 100 | 16 | 16.7% | 16 | | |
| 243.4 | 1.5 | | Trace organics | | 3 | SS | 100 | 19 | 18% | 19 | | Borehole open and dry upon completion of drilling. |
| 242.9 | 2 | | | 242.92 / 1.98 | | | | | | | | |
| 242.4 | 2.5 | | Borehole terminated @ 2 mbgs due to target depth achieved. | | | | | | | | | |
| 241.9 | 3 | | | | | | | | | | | |
| 241.4 | 3.5 | | | | | | | | | | | |
| 240.9 | 4 | | | | | | | | | | | |
| 240.4 | 4.5 | | | | | | | | | | | |
| 239.9 | 5 | | | | | | | | | | | |
| 239.4 | 5.5 | | | | | | | | | | | |
| 238.9 | 6 | | | | | | | | | | | |
| 238.4 | 6.5 | | | | | | | | | | | |
| 237.9 | 7 | | | | | | | | | | | |
| 237.4 | | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244.3 mASL
**UTM:** 17T **N:** 4839074 **E:** 594574

**Log of Borehole:** BH116-23
Page: 1 of 1
**Date Completed** November 15, 2023

| Elevation (m) | Depth | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI — 25 50 75 / % Moisture 25 50 75 | Shear Strength Cu, kPa nat V. rem V. — 20 40 60 80 / SPT (N) 20 40 60 80 | Well Installation | Log Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 244.3 | 0 | **TOPSOIL:** ~175 mm thick | 244.12 | | | | | | | | |
| | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel; brown (reworked native); cohesive, W<PL, very stiff | 0.18 | 1 | SS | 100 | 15 | 12.6% | 15 | | |
| 243.8 | 0.5 | | | | | | | | | | |
| 243.3 | 1 | | | 2 | SS | 100 | 22 | 16.4% | 22 | | |
| | | | 242.93 | | | | | | | | |
| 242.8 | 1.5 | **(ML) CLAYEY SILT:** (ML) CLAYEY SILT, some sand; grey, trace organics; cohesive, W<PL, very stiff | 1.37 | 3 | SS | 100 | 21 | 18% | 21 | | Borehole open and dry upon completion of drilling. |
| 242.3 | 2 | | 242.32 | | | | | | | | |
| | | Borehole terminated @ 2 mbgs due to target depth achieved. | 1.98 | | | | | | | | |
| 241.8 | 2.5 | | | | | | | | | | |
| 241.3 | 3 | | | | | | | | | | |
| 240.8 | 3.5 | | | | | | | | | | |
| 240.3 | 4 | | | | | | | | | | |
| 239.8 | 4.5 | | | | | | | | | | |
| 239.3 | 5 | | | | | | | | | | |
| 238.8 | 5.5 | | | | | | | | | | |
| 238.3 | 6 | | | | | | | | | | |
| 237.8 | 6.5 | | | | | | | | | | |
| 237.3 | 7 | | | | | | | | | | |
| 236.8 | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION

| SAMPLE | GRAVEL | SAND | SILT | CLAY |
|---|---|---|---|---|
| SS2 | 1 | 16 | 50 | 33 |

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244.7 mASL
**UTM:** 17T **N:** 4839023 **E:** 594502

**Log of Borehole:** BH117-23
Page: 1 of 1
**Date Completed** November 14, 2023

| Elevation (m) | Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI 25 50 75 / % Moisture 25 50 75 | Shear Strength Cu, kPa nat V. rem V. 20 40 60 80 / SPT (N) 20 40 60 80 | Well Installation | Log Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244.7 | 0 | | **TOPSOIL:** ~130 mm thick | 244.57 / 0.13 | | | | | | | | |
| 244.2 | 0.5 | | **FILL:** (ML) CLAYEY SILT, some sand, trace gravel; brown (reworked native); cohesive, W<PL, stiff to very stiff | | 1 | SS | 100 | 13 | 12.9% | 13 | | |
| 243.7 | 1 | | | | 2 | SS | 100 | 14 | 14.1% | 14 | | |
| 243.2 | 1.5 | | Becomes grey | | 3 | SS | 100 | 22 | 18.6% | 22 | | Borehole open and dry upon completion of drilling. |
| 242.7 | 2 | | | 242.72 / 1.98 | | | | | | | | |
| 242.2 | 2.5 | | Borehole terminated @ 2 mbgs due to target depth achieved. | | | | | | | | | |
| 241.7 | 3 | | | | | | | | | | | |
| 241.2 | 3.5 | | | | | | | | | | | |
| 240.7 | 4 | | | | | | | | | | | |
| 240.2 | 4.5 | | | | | | | | | | | |
| 239.7 | 5 | | | | | | | | | | | |
| 239.2 | 5.5 | | | | | | | | | | | |
| 238.7 | 6 | | | | | | | | | | | |
| 238.2 | 6.5 | | | | | | | | | | | |
| 237.7 | 7 | | | | | | | | | | | |
| 237.2 | | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

**Client:**
**Contractor:** DrillTech Drilling
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Track Mounted Solid Stem Auger
**Elevation:** 244.8 mASL
**UTM:** 17T **N:** 4839060 **E:** 594536

**Log of Borehole:** BH118-23
Page: 1 of 1
**Date Completed** November 14, 2023

| Elevation (m) | Depth | Lithology | Description | Elevation / Depth | Number | Type | % Recovery | SPT (N) | Atterberg Limits (%) LL PL PI 25 50 75 / % Moisture 25 50 75 | Shear Strength Cu, kPa nat V. rem V. 20 40 60 80 / SPT (N) 20 40 60 80 | Well Installation | Log Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244.8 | 0 | | **TOPSOIL:** ~150 mm thick | 244.65 | | | | | | | | |
| 244.3 | 0.5 | | **FILL:** (ML) CLAYEY SILT, some silt, trace gravel; brown (reworked native); cohesive, W<PL, stiff | 0.15 | 1 | SS | 100 | 12 | 11.7% | 12 | | |
| 243.8 | 1 | | Trace organics | | 2 | SS | 100 | 10 | 17% | 10 | | |
| 243.3 | 1.5 | | Some clay | | 3 | SS | 100 | 10 | 16% | 10 | | Borehole open and dry upon completion of drilling. |
| 242.8 | 2 | | | 242.82 | | | | | | | | |
| 242.3 | 2.5 | | Borehole terminated @ 2 mbgs due to target depth achieved. | 1.98 | | | | | | | | |
| 241.8 | 3 | | | | | | | | | | | |
| 241.3 | 3.5 | | | | | | | | | | | |
| 240.8 | 4 | | | | | | | | | | | |
| 240.3 | 4.5 | | | | | | | | | | | |
| 239.8 | 5 | | | | | | | | | | | |
| 239.3 | 5.5 | | | | | | | | | | | |
| 238.8 | 6 | | | | | | | | | | | |
| 238.3 | 6.5 | | | | | | | | | | | |
| 237.8 | 7 | | | | | | | | | | | |
| 237.3 | | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** EC **Input By:** EC

**Peterborough, Barrie, Oshawa, Kingston, Ottawa**

CAMBIUM

**Client:**
**Contractor:** Ace Environmental
**Project No.:** 19060-001
**Location:** 1050 Sandalwood Pkwy, Brampton ON

**Project Name:** Cassie Campbell Community Centre
**Method:** Geoprobe 3126GT
**Elevation:** 244.3 mASL
**UTM:** 17T **N:** 4839013 **E:** 594477

**Log of Borehole:** BH 201-24
Page: 1 of 1
**Date Completed:** 02/20/2024

| SUBSURFACE PROFILE | | | | SAMPLE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Elevation (m) / Depth | Lithology | Description (Elevation / Depth) | Number | Type | % Recovery | SPT (N)/DCPT | CSV (ppm) | OV (ppm) | Atterberg Limits (%) LL PL PI; 25 50 75 / % Moisture 25 50 75 | Shear Strength Cu, kPa (nat V., rem V.); 20 40 60 80 / SPT (N) / DCPT 20 40 60 80 | Well Installation | Log Notes |
| 244.3 / 0 | | **TOPSOIL:** 244.17 / 0.13 | | | | | | | | | | |
| 243.8 / 0.5 | | **(SW) SAND:** Trace gravel and organics, brown and moist | 1 | | <5 | <2 | 70 | | | | | |
| 243.3 / 1 | | | 2 | | <5 | <2 | 70 | | | | | |
| 242.8 / 1.5 | | - trace clay, dark brownish green | | | | | | | | | | BH201_1.5-2.1; BTEX |
| 242.3 / 2 | | | 3 | | <5 | <2 | 100 | | | | | |
| 241.8 / 2.5 | | | | | | | | | | | | BH201_2.1-3.0; BTEX |
| 241.3 / 3 | | 241.25 / 3.05 Borehole terminated @ 3 mbgs due to target depth achieved. | | | | | | | | | | |
| 240.8 / 3.5 | | | | | | | | | | | | |
| 240.3 / 4 | | | | | | | | | | | | |
| 239.8 / 4.5 | | | | | | | | | | | | |
| 239.3 / 5 | | | | | | | | | | | | |
| 238.8 / 5.5 | | | | | | | | | | | | |
| 238.3 / 6 | | | | | | | | | | | | |
| 237.8 / 6.5 | | | | | | | | | | | | |
| 237.3 / 7 | | | | | | | | | | | | |
| 236.8 | | | | | | | | | | | | |

GRAINSIZE DISTRIBUTION: SAMPLE | GRAVEL | SAND | SILT | CLAY

1m = 24 units

**Logged By:** RA **Input By:** KJ

CAMBIUM

**Table 1 - Soil Quality**

| Sample Location | Units | RDL | Table 1 AO | Table 1 RPIICC | Table 2.1 AO | Table 2.1 RPI | Table 2.1 ICC | Table 3.1 RPI | Table 3.1 ICC | BH101 | BH201 | Average of BH101 and BH201 | BH201 | BH301 | BH302 | BH303 | Average of BH201, BH301, BH302 and BH303 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | | | | | | | | | | BH101_1.5 - 2.1 | BH201_1.5-2.1 | | BH201_2.1-3.0 | BH301_2.4-3.0 | BH302_2.4-3.0 | BH303_2.4-3.0 | |
| Sample Date (dd-mmm | | | | | | | | | | 14-Nov-23 | 20-Feb-24 | | 20-Feb-24 | 11-Apr-24 | 11-Apr-24 | 11-Apr-24 | |
| Sample Depth (mbgs) | | | | | | | | | | 1.5 - 2.1 | 1.5-2.1 | | 2.1-3.0 | 2.4-3.0 | 2.4-3.0 | 2.4-3.0 | |
| **BTEX** | | | | | | | | | | | | | | | | | |
| Benzene | µg/g | 0.006 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.034 | <0.0060 | <0.02 | | <0.02 | <0.02 | <0.02 | <0.02 | |
| Toluene | µg/g | 0.02 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.99 | 7.8 | **0.3** | <0.05 | 0.175 | **0.65** | <0.05 | <0.05 | <0.05 | 0.2 |
| Ethylbenzene | µg/g | 0.01 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 1.9 | 1.9 | <0.010 | <0.05 | | <0.05 | <0.05 | <0.05 | <0.05 | |
| Xylenes | µg/g | 0.02 | 0.05 | 0.05 | 0.091 | 0.091 | 0.091 | 0.9 | 3 | <0.020 | <0.05 | | <0.05 | <0.05 | <0.05 | <0.05 | |
| **PHCs** | | | | | | | | | | | | | | | | | |
| F1 (C6-C10) | µg/g | 10 | 17 | 25 | 17 | 25 | 25 | 25 | 25 | <10 | | | | | | | |
| F1 (C6-C10) - BTEX | µg/g | 10 | 17 | 25 | 17 | 25 | 25 | 25 | 25 | <10 | | | | | | | |
| F2 (C10 to C16) | µg/g | 10 | 10 | 10 | 10 | 10 | 26 | 10 | 26 | <10 | | | | | | | |
| F3 (C16 to C34) | µg/g | 50 | 240 | 240 | 240 | 240 | 240 | 300 | 1700 | <50 | | | | | | | |
| F4 (C34-C50) | µg/g | 50 | 120 | 120 | 2800 | 2800 | 3300 | 2800 | 3300 | <50 | | | | | | | |
| **Metals** | | | | | | | | | | | | | | | | | |
| Antimony | µg/g | | 1 | 1.3 | 7.5 | 7.5 | 40 | 7.5 | 40 | <0.20 | | | | | | | |
| Arsenic | µg/g | 0.2 | 11 | 18 | 11 | 18 | 18 | 18 | 18 | 4.2 | | | | | | | |
| Barium | µg/g | 1 | 210 | 220 | 390 | 390 | 670 | 390 | 670 | 97 | | | | | | | |
| Beryllium | µg/g | 0.5 | 2.5 | 2.5 | 4 | 4 | 8 | 4 | 8 | 0.86 | | | | | | | |
| Boron | µg/g | 0.2 | 36 | 36 | 120 | 120 | 120 | 120 | 120 | <5.0 | | | | | | | |
| Cadmium | µg/g | 5 | 1 | 1.2 | 1 | 1.2 | 1.9 | 1.2 | 1.9 | 0.32 | | | | | | | |
| Chromium (Total) | µg/g | 0.1 | 67 | 70 | 160 | 160 | 160 | 160 | 160 | 24 | | | | | | | |
| Cobalt | µg/g | 1 | 19 | 21 | 22 | 22 | 80 | 22 | 80 | 11 | | | | | | | |
| Copper | µg/g | 0.1 | 62 | 92 | 140 | 140 | 230 | 140 | 230 | 22 | | | | | | | |
| Lead | µg/g | 0.5 | 45 | 120 | 45 | 120 | 120 | 120 | 120 | 16 | | | | | | | |
| Molybdenum | µg/g | 1 | 2 | 2 | 6.9 | 6.9 | 40 | 6.9 | 40 | 0.54 | | | | | | | |
| Nickel | µg/g | 0.5 | 37 | 82 | 100 | 100 | 270 | 100 | 270 | 22 | | | | | | | |
| Selenium | µg/g | 0.5 | 1.2 | 1.5 | 2.4 | 2.4 | 5.5 | 2.4 | 5.5 | <0.50 | | | | | | | |
| Silver | µg/g | 0.5 | 0.5 | 0.5 | 20 | 20 | 40 | 20 | 40 | <0.20 | | | | | | | |
| Thallium | µg/g | 0.2 | 1 | 1 | 1 | 1 | 3.3 | 1 | 3.3 | 0.14 | | | | | | | |
| Uranium | µg/g | 0.05 | 1.9 | 2.5 | 23 | 23 | 33 | 23 | 33 | 1.6 | | | | | | | |
| Vanadium | µg/g | 0.05 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 36 | | | | | | | |
| Zinc | µg/g | 5 | 290 | 290 | 340 | 340 | 340 | 340 | 340 | 75 | | | | | | | |
| **Inorganics** | | 5 | | | | | | | | | | | | | | | |
| Conductivity | mS/cm | | 0.47 | 0.57 | 0.7 | 0.7 | 1.4 | 0.7 | 1.4 | 0.31 | | | | | | | |
| pH | N/A | 2 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 7.2 | | | | | | | |
| Sodium Adsorption Ratio | N/A | | 1 | 2.4 | 5 | 5 | 12 | 5 | 12 | 0.22 | | | | | | | |

Notes:
Table 1 Standards - Full Depth Background Site Condition Standards - Agricultural or Other Property Use
Table 1 Standards - Full Depth Background Site Condition Standards - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use
Table 2.1 Standards - Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition- Agricultural or Other Property Use
Table 2.1 Standards - Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition- Residential/Parkland/Institutional Property Use
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Table 3.1 Standards - Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition- Industrial/Commercial/Community Property Use
Bold and shaded grey - value exceeds Table 1 AO
Bold and shaded yellow - value exceeds Table 1 RPIICC
Bold and shaded orange - value exceeds Table 2.1 AO
Bold and shaded red - value exceeds Table 2.1 RPI
Bold and shaded green - value exceeds Table 2.1 ICC
Bold and shaded blue - value exceeds Table 3.1 RPI
Bold and shaded purple - value exceeds Table 3.1 ICC
Bold and underline - RDL exceeds standard
N/A - not applicable
NC - The duplicate RPD was not calculated. One or both samples < 5x RDL.
NV - no value
"-" not analyzed

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**Table 1 - Soil Quality**

| Sample Location | Units | RDL | Table 1 AO | Table 1 RPIICC | Table 2.1 AO | Table 2.1 RPI | Table 2.1 ICC | Table 3.1 RPI | Table 3.1 ICC | BH401 | BH402 | BH403 | BH102 | BH103 | | | BH104 | BH105 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | | | | | | | | | | BH401_2.4-3.0 | BH402_2.4-3.0 | BH403_2.4-3.0 | BH102_0.2 - 0.6 | BH103_1.5 - 2.1 | QAQC1 | | BH104_2.3 - 2.7 | BH105_3 - 3.6 |
| Sample Date (dd-mmm | | | | | | | | | | 11-Apr-24 | 11-Apr-24 | 11-Apr-24 | 14-Nov-23 | 14-Nov-23 | 14-Nov-23 | RPD (%) | 15-Nov-23 | 15-Nov-23 |
| Sample Depth (mbgs) | | | | | | | | | | 2.4-3.0 | 2.4-3.0 | 2.4-3.0 | 0.2 - 0.6 | 1.5 - 2.1 | 1.5 - 2.1 | | 2.3 - 2.7 | 3 - 3.6 |
| **BTEX** | | | | | | | | | | | | | | | | | | |
| Benzene | µg/g | 0.006 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.034 | <0.02 | <0.02 | <0.02 | <0.0060 | <0.0060 | <0.0060 | *NV* | <0.0060 | <0.0060 |
| Toluene | µg/g | 0.02 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.99 | 7.8 | <0.05 | <0.05 | <0.05 | <0.020 | <0.020 | <0.020 | *NV* | 0.038 | 0.025 |
| Ethylbenzene | µg/g | 0.01 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 1.9 | 1.9 | <0.05 | <0.05 | <0.05 | <0.010 | <0.010 | <0.010 | *NV* | <0.010 | <0.010 |
| Xylenes | µg/g | 0.02 | 0.05 | 0.05 | 0.091 | 0.091 | 0.091 | 0.9 | 3 | <0.05 | <0.05 | <0.05 | <0.020 | <0.020 | <0.020 | *NV* | <0.020 | <0.020 |
| **PHCs** | | | | | | | | | | | | | | | | *NV* | | |
| F1 (C6-C10) | µg/g | 10 | 17 | 25 | 17 | 25 | 25 | 25 | 25 | | | | <10 | <10 | <10 | *NV* | <10 | <10 |
| F1 (C6-C10) - BTEX | µg/g | 10 | 17 | 25 | 17 | 25 | 25 | 25 | 25 | | | | <10 | <10 | <10 | *NV* | <10 | <10 |
| F2 (C10 to C16) | µg/g | 10 | 10 | 10 | 10 | 10 | 26 | 10 | 26 | | | | <10 | <10 | <10 | *NV* | <10 | <10 |
| F3 (C16 to C34) | µg/g | 50 | 240 | 240 | 240 | 240 | 240 | 300 | 1700 | | | | <50 | <50 | <50 | *NV* | <50 | <50 |
| F4 (C34-C50) | µg/g | 50 | 120 | 120 | 2800 | 2800 | 3300 | 2800 | 3300 | | | | <50 | <50 | <50 | *NV* | <50 | <50 |
| **Metals** | | | | | | | | | | | | | | | | | | |
| Antimony | µg/g | | 1 | 1.3 | 7.5 | 7.5 | 40 | 7.5 | 40 | | | | <0.20 | <0.20 | <0.20 | *NV* | <0.20 | <0.20 |
| Arsenic | µg/g | 0.2 | 11 | 18 | 11 | 18 | 18 | 18 | 18 | | | | 4 | 4.9 | 4.2 | *15.4* | 4.3 | 5.4 |
| Barium | µg/g | 1 | 210 | 220 | 390 | 390 | 670 | 390 | 670 | | | | 78 | 86 | 73 | *16.4* | 80 | 72 |
| Beryllium | µg/g | 0.5 | 2.5 | 2.5 | 4 | 4 | 8 | 4 | 8 | | | | 0.7 | 0.69 | 0.68 | *1.5* | 0.8 | 0.78 |
| Boron | µg/g | 0.2 | 36 | 36 | 120 | 120 | 120 | 120 | 120 | | | | <5.0 | <5.0 | <5.0 | *NV* | <5.0 | <5.0 |
| Cadmium | µg/g | 5 | 1 | 1.2 | 1 | 1.2 | 1.9 | 1.2 | 1.9 | | | | 0.22 | <0.10 | 0.19 | *NV* | 0.14 | 0.17 |
| Chromium (Total) | µg/g | 0.1 | 67 | 70 | 160 | 160 | 160 | 160 | 160 | | | | 20 | 22 | 19 | *14.6* | 21 | 21 |
| Cobalt | µg/g | 1 | 19 | 21 | 22 | 22 | 80 | 22 | 80 | | | | 9.4 | 11 | 9.6 | *13.6* | 11 | 11 |
| Copper | µg/g | 0.1 | 62 | 92 | 140 | 140 | 230 | 140 | 230 | | | | 25 | 29 | 24 | *18.9* | 27 | 28 |
| Lead | µg/g | 0.5 | 45 | 120 | 45 | 120 | 120 | 120 | 120 | | | | 13 | 9.4 | 14 | *39.3* | 14 | 14 |
| Molybdenum | µg/g | 1 | 2 | 2 | 6.9 | 6.9 | 40 | 6.9 | 40 | | | | <0.50 | <0.50 | <0.50 | *NV* | <0.50 | <0.50 |
| Nickel | µg/g | 0.5 | 37 | 82 | 100 | 100 | 270 | 100 | 270 | | | | 19 | 25 | 18 | *32.6* | 21 | 22 |
| Selenium | µg/g | 0.5 | 1.2 | 1.5 | 2.4 | 2.4 | 5.5 | 2.4 | 5.5 | | | | <0.50 | <0.50 | <0.50 | *NV* | <0.50 | <0.50 |
| Silver | µg/g | 0.5 | 0.5 | 0.5 | 20 | 20 | 40 | 20 | 40 | | | | <0.20 | <0.20 | <0.20 | *NV* | <0.20 | <0.20 |
| Thallium | µg/g | 0.2 | 1 | 1 | 1 | 1 | 3.3 | 1 | 3.3 | | | | 0.12 | 0.12 | 0.12 | *0* | 0.13 | 0.12 |
| Uranium | µg/g | 0.05 | 1.9 | 2.5 | 23 | 23 | 33 | 23 | 33 | | | | 0.74 | 0.61 | 0.64 | *4.8* | 0.81 | 0.69 |
| Vanadium | µg/g | 0.05 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | | | | 31 | 31 | 31 | *0* | 34 | 33 |
| Zinc | µg/g | 5 | 290 | 290 | 340 | 340 | 340 | 340 | 340 | | | | 74 | 57 | 65 | *13.1* | 60 | 68 |
| **Inorganics** | | 5 | | | | | | | | | | | | | | | | |
| Conductivity | mS/cm | | 0.47 | 0.57 | 0.7 | 0.7 | 1.4 | 0.7 | 1.4 | | | | 0.32 | **0.5** | 0.35 | *35.3* | 0.31 | 0.31 |
| pH | N/A | 2 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | | | | 7.74 | 7.45 | 7.01 | *6.1* | 7.24 | 7.11 |
| Sodium Adsorption Ratio | N/A | | 1 | 2.4 | 5 | 5 | 12 | 5 | 12 | | | | 1 | 0.5 | 0.72 | *36.1* | 0.23 | 0.42 |

Notes:
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Bold and shaded grey - value exceeds Table 1 AO
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Bold and shaded red - value exceeds Table 2.1 RPI
Bold and shaded green - value exceeds Table 2.1 ICC
Bold and shaded blue - value exceeds Table 3.1 RPI
Bold and shaded purple - value exceeds Table 3.1 ICC
Bold and underline - RDL exceeds standard
N/A - not applicable
NC - The duplicate RPD was not calculated. One or both samples < 5x RDL.
NV - no value
"-" not analyzed

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**Table 1 - Soil Quality**

| Sample Location | Units | RDL | Table 1 AO | Table 1 RPIICC | Table 2.1 AO | Table 2.1 RPI | Table 2.1 ICC | Table 3.1 RPI | Table 3.1 ICC | BH106 | | | BH107 | BH110 | BH111 | BH113 | BH115 | BH116 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | | | | | | | | | | BH106_1.5 - 2.1 | QAQC2 | | BH107_2.3 - 2.7 | BH110_0.2 - 0.6 | BH111_0.8 - 1.4 | BH113_0.2 - 0.6 | BH115_0.8 - 1.4 | BH116_0.8 - 1.4 |
| Sample Date (dd-mmm | | | | | | | | | | 14-Nov-23 | 14-Nov-23 | RPD (%) | 14-Nov-23 | 15-Nov-23 | 14-Nov-23 | 15-Nov-23 | 14-Nov-23 | 15-Nov-23 |
| Sample Depth (mbgs) | | | | | | | | | | 1.5 - 2.1 | 1.5 - 2.1 | | 2.3 - 2.7 | 0.2 - 0.6 | 0.8 - 1.4 | 0.2 - 0.6 | 0.8 - 1.4 | 0.8 - 1.4 |
| **BTEX** | | | | | | | | | | | | | | | | | | |
| Benzene | µg/g | 0.006 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.034 | <0.0060 | <0.0060 | *NV* | <0.0060 | <0.0060 | <0.0060 | <0.0060 | <0.0060 | <0.0060 |
| Toluene | µg/g | 0.02 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.99 | 7.8 | <0.020 | <0.020 | *NV* | 0.037 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Ethylbenzene | µg/g | 0.01 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 1.9 | 1.9 | <0.010 | <0.010 | *NV* | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Xylenes | µg/g | 0.02 | 0.05 | 0.05 | 0.091 | 0.091 | 0.091 | 0.9 | 3 | <0.020 | <0.020 | *NV* | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| **PHCs** | | | | | | | | | | | | *NV* | | | | | | |
| F1 (C6-C10) | µg/g | 10 | 17 | 25 | 17 | 25 | 25 | 25 | 25 | <10 | <10 | *NV* | <10 | <10 | <10 | <10 | <10 | <10 |
| F1 (C6-C10) - BTEX | µg/g | 10 | 17 | 25 | 17 | 25 | 25 | 25 | 25 | <10 | <10 | *NV* | <10 | <10 | <10 | <10 | <10 | <10 |
| F2 (C10 to C16) | µg/g | 10 | 10 | 10 | 10 | 10 | 26 | 10 | 26 | <10 | <10 | *NV* | <10 | <10 | <10 | <10 | <10 | <10 |
| F3 (C16 to C34) | µg/g | 50 | 240 | 240 | 240 | 240 | 240 | 300 | 1700 | <50 | <50 | *NV* | <50 | <50 | 66 | <50 | <50 | <50 |
| F4 (C34-C50) | µg/g | 50 | 120 | 120 | 2800 | 2800 | 3300 | 2800 | 3300 | <50 | <50 | *NV* | <50 | <50 | <50 | <50 | <50 | <50 |
| **Metals** | | | | | | | | | | | | | | | | | | |
| Antimony | µg/g | | 1 | 1.3 | 7.5 | 7.5 | 40 | 7.5 | 40 | <0.20 | <0.20 | *NV* | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Arsenic | µg/g | 0.2 | 11 | 18 | 11 | 18 | 18 | 18 | 18 | 4.5 | 5 | *10.5* | 7.2 | 4.4 | 5.5 | 5 | 5 | 5 |
| Barium | µg/g | 1 | 210 | 220 | 390 | 390 | 670 | 390 | 670 | 85 | 96 | *12.2* | 84 | 160 | 73 | 80 | 77 | 74 |
| Beryllium | µg/g | 0.5 | 2.5 | 2.5 | 4 | 4 | 8 | 4 | 8 | 0.82 | 0.92 | *11.5* | 1.1 | 0.71 | 0.82 | 0.74 | 0.74 | 0.78 |
| Boron | µg/g | 0.2 | 36 | 36 | 120 | 120 | 120 | 120 | 120 | <5.0 | <5.0 | *NV* | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Cadmium | µg/g | 5 | 1 | 1.2 | 1 | 1.2 | 1.9 | 1.2 | 1.9 | 0.2 | 0.25 | *22.2* | 0.15 | 0.15 | <0.10 | 0.16 | 0.15 | 0.11 |
| Chromium (Total) | µg/g | 0.1 | 67 | 70 | 160 | 160 | 160 | 160 | 160 | 24 | 25 | *4.1* | 26 | 21 | 22 | 21 | 21 | 22 |
| Cobalt | µg/g | 1 | 19 | 21 | 22 | 22 | 80 | 22 | 80 | 12 | 12 | *0.0* | 15 | 10 | 13 | 11 | 11 | 12 |
| Copper | µg/g | 0.1 | 62 | 92 | 140 | 140 | 230 | 140 | 230 | 24 | 24 | *0.0* | 44 | 26 | 35 | 25 | 27 | 31 |
| Lead | µg/g | 0.5 | 45 | 120 | 45 | 120 | 120 | 120 | 120 | 15 | 15 | *0.0* | 12 | 12 | 9.8 | 13 | 12 | 10 |
| Molybdenum | µg/g | 1 | 2 | 2 | 6.9 | 6.9 | 40 | 6.9 | 40 | <0.50 | <0.50 | *NV* | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Nickel | µg/g | 0.5 | 37 | 82 | 100 | 100 | 270 | 100 | 270 | 23 | 24 | *4.3* | 35 | 22 | 27 | 22 | 23 | 27 |
| Selenium | µg/g | 0.5 | 1.2 | 1.5 | 2.4 | 2.4 | 5.5 | 2.4 | 5.5 | <0.50 | <0.50 | *NV* | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Silver | µg/g | 0.5 | 0.5 | 0.5 | 20 | 20 | 40 | 20 | 40 | <0.20 | <0.20 | *NV* | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Thallium | µg/g | 0.2 | 1 | 1 | 1 | 1 | 3.3 | 1 | 3.3 | 0.15 | 0.14 | *6.9* | 0.11 | 0.12 | 0.12 | 0.13 | 0.13 | 0.13 |
| Uranium | µg/g | 0.05 | 1.9 | 2.5 | 23 | 23 | 33 | 23 | 33 | 0.98 | 1.1 | *11.5* | 1.1 | 0.68 | 0.52 | 0.69 | 0.68 | 0.59 |
| Vanadium | µg/g | 0.05 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 37 | 37 | *0.0* | 36 | 30 | 32 | 32 | 32 | 31 |
| Zinc | µg/g | 5 | 290 | 290 | 340 | 340 | 340 | 340 | 340 | 68 | 74 | *8.5* | 70 | 59 | 61 | 64 | 63 | 61 |
| **Inorganics** | | 5 | | | | | | | | | | | | | | | | |
| Conductivity | mS/cm | | 0.47 | 0.57 | 0.7 | 0.7 | 1.4 | 0.7 | 1.4 | 0.22 | 0.25 | *12.8* | 0.25 | 0.38 | 0.35 | 0.34 | 0.39 | 0.31 |
| pH | N/A | 2 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 5-9 \| 5-11 | 6.8 | 7.3 | *7.1* | 7.33 | 7.64 | 7.74 | 7.59 | 7.51 | 7.7 |
| Sodium Adsorption Ratio | N/A | | 1 | 2.4 | 5 | 5 | 12 | 5 | 12 | 0.31 | 0.28 | *10.2* | 0.97 | 0.53 | 0.77 | 0.38 | 0.48 | 0.42 |

Notes:
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Bold and shaded grey - value exceeds Table 1 AO
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Bold and shaded purple - value exceeds Table 3.1 ICC
Bold and underline - RDL exceeds standard
N/A - not applicable
NC - The duplicate RPD was not calculated. One or both samples < 5x RDL.
NV - no value
"-" not analyzed