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Phase Two Environmental Site Assessment

77 Metcalfe Street, Ottawa, Ontario

G2S25044B

Groupe Mach Inc
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June 2025

Executive Summary

G2S Consulting Inc. (G2S) was retained by Groupe Mach Inc. (the Client) to complete a Phase Two Environmental Site Assessment (ESA) for the property located at 77 Metcalfe Street, Ottawa, Ontario, hereinafter referred to as the 'Site'. Authorization to proceed with this assignment was provided by Mohamad Kheir Hassoun of Groupe Mach Inc.

The rectangular shaped Site is located on the east side of Metcalfe Street, located at the southeast corner of the intersection with Albert Street and Metcalfe Street, and covers an approximate area of 0.12 hectares (0.29 acres). The Study Area consists of commercial and residential land use, and the Rideau Canal is located approximately 315 m northeast of the Site.

Based on information collected from the Site visit and records review, the Site was first developed in the late 1800's as a residential property and included a livery with a coach shed within the northwestern portion of the Site. In 1912, a dry cleaner was developed on the northeastern portion of the Site, with the coach shed still present within the northwestern portion of the Site. Government Stores were present within the southern portion of the Site, being then converted into an autobody garage in 1922 until 1931. An additional dry cleaner was developed within the west central portion of the Site in 1922. The buildings were demolished in 1931, and a gasoline service station was developed within the northwestern portion of the Site including the presence of two underground storage tanks (USTs). The current building structure was constructed in 1954 and consisted of a multi-tenant commercial high-rise building with three elevators and two levels of underground. Two boilers were historically located within the western portion of the Site in 1955. The Site is currently vacant, and the building is in the early stages of being demolished.

G2S understands the Client requires a Phase Two ESA to support the application for a Record of Site Condition (RSC) related to the redevelopment of the Site for residential purposes. The Site was most recently used for commercial purposes (restaurant and office building) and the proposed future use is residential. Since there is a change in property use planned (commercial to residential), a Record of Site Condition (RSC) is required under O. Reg. 153/04, as amended, prior to redevelopment. This Phase Two ESA was completed in accordance with Schedule D. of O. Reg. 153/04

The purpose of this Phase Two ESA was to satisfy O. Reg. 153/04 (as amended) requirements, to investigate potential contamination within Areas of Potential Environmental Concern (APECs) identified during a Phase One ESA completed by G2S in April 2025, in preparation of filing an RSC for the Site. Refer to the appended Drawings 2 and 3 in Appendix A for a summary of the identified Potentially Contaminating Activities (PCAs) and APECs for the Site.

The field work for this investigation was completed from April to June 2025 and included the advancement of six boreholes, four of which were installed as groundwater monitoring wells. Refer to Drawing 3 for the borehole and monitoring well locations.

The findings of this assignment are summarized as follows:

1. In general, the subsurface conditions below the building included a pavement structure comprising approximately 115 to 200 millimeters of concrete, underlain by crush gravel and sand with crushed bedrock and fill materials (approximately 0.3 to 1.3 m below ground surface)). Shale bedrock was encountered at depths ranging from approximately 0.3 to 1.3 m bgs. Refer to the borehole logs in Appendix B.

2. Groundwater was found in the monitoring wells during the most recent round of sampling on June 9, 2025, between depths of 1.50 and 2.67 m bgs.

3. Soil samples were submitted for laboratory analysis of petroleum hydrocarbon fractions F1 to F4 (PHCs F1 to F4) including benzene, toluene, ethylbenzene, xylenes (BTEX), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and metals and other regulated parameters (ORPs). The concentrations of the tested parameters in the submitted samples were below the Ministry of Environment, Conservation, and Parks (MECP) Table 3 Site Condition Standards (SCS) for Residential/Parkland/Institutional (RPI) Property Use, with the exception of the following:

    - Sample BH101 S2 (0.6 – 1.2 m bgs) – Electrical conductivity (EC) (4.76 mS/cm) exceeded the SCS of 0.7 mS/cm, and Sodium adsorption ratio (SAR) (15) exceeded the SCS of 5.

    - Sample BH102 S2 (0.6 – 1.2 m bgs) – EC (3.59 mS/cm) exceeded the SCS of 0.7 mS/cm, and SAR (7.8) exceeded the SCS of 5.

    - Sample BH105 S2 (0.6 – 1.2 m bgs) – EC (3.12 mS/cm) exceeded the SCS of 0.7 mS/cm, and SAR (19) exceeded the SCS of 5.

    - Sample BH111 S2 (Duplicate of BH101 S2) – EC (4.42 mS/cm) exceeded the SCS of 0.7 mS/cm, and SAR (5) exceeded the SCS of 5.

The elevated EC and SAR are attributed to the historical use of de-icing salt on the surfaces of the Site and adjacent roadways. Under O. Reg. 153/04, as amended, where a SCS is exceeded solely because a substance has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow and ice, the applicable SCS is deemed not to be exceeded. In this regard, the EC and SAR impacts would not be considered “contamination”. Reference is made to O. Reg. 153/04, as amended, s. 49 (1).

4. Groundwater samples from the monitoring wells were submitted for laboratory analysis of PHCs F1-F4 including BTEX, VOCs, PAHs, metals and ORPs, and polychlorinated biphenyls (PCBs). The concentrations of the tested parameters in the submitted samples were below the MECP Table 3 SCS, with the exception of the following:

    - Sample MW101 (collected on April 8, 2025 from BH/MW101) – Chloroform (2.54 µg/L) exceeded the SCS of 2.4 µg/L.

The elevated chloroform concentrations in groundwater are attributed to treated municipal water, and concentrations are below the values in Table A of the MECP’s “Guidance for Addressing Chloroform at a Record of Site Condition Property”. As such, it is deemed to not exceed the SCS.

Based on the results of the Phase Two ESA, the Site soil meets the applicable MECP Table 3 RPI SCS. The groundwater quality on-Site meets the applicable SCS in the samples tested.

In accordance with O. Reg. 903/90, as amended, the monitoring wells should be decommissioned if the wells are not in use or being maintained for future use.

The assignment is subject to the Statement of Limitations that is included in this report. It should be noted soil and groundwater conditions between and beyond the sampled locations may differ

from those encountered during this assignment. G2S should be contacted if impacted soil or groundwater conditions become apparent during future development to further access and appropriately handle the materials, if any, and evaluate whether modifications to the conclusions documented in this report are necessary.

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Appendices

List of Drawings

1. Introduction

G2S Consulting Inc. (G2S) was retained by Groupe Mach Inc. (the Client) to complete a Phase Two Environmental Site Assessment (ESA) for the property located at 110 O'Connor Street in Ottawa, Ontario, hereinafter referred to as the 'Site'. Authorization to proceed with this assignment was provided by Mohamad Kheir Hassoun of Groupe Mach Inc.

G2S understands the Client requires a Phase Two ESA to support the application for a Record of Site Condition (RSC) related to the redevelopment of the Site for residential purposes. Since there is a change in property use planned (commercial to residential), a Record of Site Condition (RSC) is required under O. Reg. 153/04, as amended, prior to re-development.

Drawing 1 in Appendix A illustrates the location of the Site involved in the study.

1.1 Site Description

The 'Study Area', which is defined as being the area including the Site and lands within approximately 250 m of the Site, consists of residential, institutional, and commercial land use.

The Site was first developed in the late 1800's as a residential property and included a livery with a coach shed within the northwestern portion of the Site. In 1912, a dry cleaner was developed on the northeastern portion of the Site, with the coach shed still present within the northwestern portion of the Site. Government Stores were present within the southern portion of the Site, being then converted into an autobody garage in 1922 until 1931. An additional dry cleaner was developed within the west central portion of the Site in 1922. The buildings were demolished in 1931, and a gasoline service station was developed within the northwestern portion of the Site including the presence of two underground storage tanks (USTs). The current building structure was constructed in 1954 and consisted of a multi-tenant commercial high-rise building with three elevators and two levels of underground. Two boilers were historically located within the western portion of the Site in 1955. The Site is currently vacant, and the building is in the early stages of being demolished.

1.2 Property Ownership and Information

Table 1: General Site Details

Municipal Address:	77 Metcalfe Street, Ottawa, Ontario
General Site Location:	East side of Metcalfe Street, located at the southeast corner of the intersection with Albert Street and Metcalfe Street, and the Rideau Canal is located approximately 315 m northeast.
Approximate Plan Area:	Approximate plan area of 0.12 hectares (0.29 acres) with frontage of approximately 35 m on Metcalfe Street and a depth of approximately 32 m.
Property Identification Number (PIN):	04115-0061 (LT)
Legal Description:	LT 52 & PT LT 53, PL 3922 , S ALBERT ST ; PT LTS 52 & 53, PL 3922 , N SLATER ST, AS IN N515612, S/T CR654072, T/W N326906 ; S/T N607932 OTTAWA

Current Site Owner and Contact Information:	Édifice 77 Metcalfe Inc. / 77 Metcalfe Building Inc.
Current Site Occupant:	Vacant (twelve-storey office building with mechanical penthouse and two basement levels)

1.3 Current and Proposed Future Land Uses

G2S understands the Client requires the Phase Two ESA for due diligence purposes related to the proposed acquisition of the Site and redevelopment for residential purposes. Since there is a change in property use planned (commercial to residential), an RSC is required under O. Reg. 153/04, as amended, prior to re-development.

In accordance with the current regulatory requirements, the environmental site assessment work was carried out under the supervision of a Qualified Person as defined in O. Reg. 153/04, as amended.

1.4 Applicable Site Condition Standards

The assessment criteria applicable to a given site in Ontario are provided in the Ministry of Environment, Conservation, and Parks (MECP) document entitled “Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act,” dated April 15, 2011.

Standards are provided in Tables 1 to 9 in the document. These standards are based on site sensitivity, groundwater use, property use, soil type and restoration depth.

For this investigation, G2S has selected the Full Depth Generic Table 3 Site Condition Standards (SCS) in a Non-Potable Groundwater Condition and Residential/Parkland/Institutional (RPI) Property Use, with coarse textured soils. The selection of this category is based on the following factors:

- There is no intention to carry out stratified restoration at the Site.
- Based on field observations and grain size analysis, the predominant soil type on the Site is coarse textured.
- The use of the Site is commercial with a proposed change in land use to residential.
- The Site is not located within 30 metres of a water body.
- The Site is not considered a sensitive site based on:
    - The Site is not within an area of natural significance or includes or is adjacent to such an area or part of such an area.
    - The pH values are within the recommended range of 5 to 11 for subsurface soil (>1.5 m) and there is no surface soil (<1.5 m) present on-Site.
- The non-potable groundwater condition applies to the Site based on:

  - The Site, and/or properties, in whole or in part, within 250 metres of the boundaries of the Site, are located within the City of Ottawa, which obtains drinking water from the Ottawa River.

- Based on the findings from the Phase Two ESA, the following can be confirmed with respect to Sections 41 and 43.1 of O.Reg. 153/04:

  - The Site is not a shallow soil property, as defined in Section 43.1 of O.Reg. 153/04.

  - The Site is not an environmentally sensitive site as defined in Section 41 of O.Reg. 153/04.

2. Background Information

2.1 Physical Setting

No water bodies or areas of natural significance were located on-Site or within the Study Area. The nearest water body is the Rideau Canal, which is located approximately 315 m northeast of the Site.

The Site is located approximately 68 m above sea level. Based on our observations and review, the expected direction of groundwater flow is to the northeast, following surface topography towards the Rideau Canal. Local variations in groundwater flow patterns, however, can be expected due to buried utility infrastructures and buildings.

G2S reviewed the Soil Associations of Southern Ontario map which indicated the Site and Study Area is dominantly Lincoln (D.G.G.) Haldimand clay, formed on till or lacustrine sediments. Additionally, the Palaeozoic Geology of Southern Ontario, Map 2254, Ontario Division of Mines, was reviewed which indicated the Site is underlain by grey and black shale of the Upper Ordovician Georgian Bay (Whitby (Eastview and Billings)) Formation.

2.2 Past Investigations

The following previous environmental reports were completed for the Site by others and provided to G2S for review.

Table 2: Summary of Previous Environmental Report

Report Details	Findings and Conclusions
Title: Final Phase I – Environmental Site Assessment **Date of Report:** October 2024 **Author of the Report:** Solroc Inc.	• At the time of the investigation, the Site was developed with a twelve-story commercial building with two levels of basement, and the office within the basement was vacant. • The first level of basement was occupied vacant offices, a parking garage, a garbage and recycling room, sprinkler room, and fire pump room. A garage access ramp is accessed through Slater Street and is owned by 81 Metcalfe Street. • Two aboveground storage tanks were noted on Site, with one 1,029 L diesel AST being present within the northeast portion of the first basement level used for an emergency generator. The second 458 L diesel tank is located within the mechanical penthouse associated with an emergency generator. • The building was constructed in approximately 1953 with two upper storey additions added in 1996. • The Site was occupied by a small structure in 1945, and in 1955 the Site was occupied by a structure similar to present, excluding a different configuration on the mechanical room. • The building in 1945 was not deemed to represent an environmental risk due to the excavation that was carried out for the construction of the present building. • In 1948, the FIP identified off-Site concerns due to the presence of garages and underground and aboveground petroleum storage tanks to the east and southeast. • The land use plans in 1976 identified restaurants, offices and a

Report Details	Findings and Conclusions
	bank. • The Site had a historical address comprising of 100 Albert Street as a previous structure on the Site, which included Beamish service station (1931 and 1950), By-town Service Station (1936 – 1945), Commonwealth building (1960 – 1982), Sizzling Wok (1994 – 1997), Tiffin Café (2000). • The previous occupants identified a livery (1885 – 1901), Topographical Survey Branch (1907 – 1916), Chinese Laundry (1920 – 1930), Lee Sing Laundry (1935), Metcalfe Sweets (1950), and Commonwealth Building (1955 – 1994), Paragon Cleaners (1981 – 1994), Marquis Corp Ltd (1997 – 2007), Fondation pour la decouverte du Canada (1997 – 2023), Café Deluxe (2006 – 2023), NAV Canada (1997 – 2023), Pacesetter Travel (2021 – 2023). • Paragon Cleaners occupied a part of the ground level of the basement, at the time of the report the second floor of the basement was used for storage, with possible storage of chemicals. • A previous service station was located at 100 Albert Street was located at the northwest portion of the Site from 1931 to 1950. The Phase One ESA recommended a Phase Two ESA based on the following risks identified for the Site: ○ Historic presence of a potential oil-fired heating system on Site with two boilers located in the west part of the basement; ○ Presence of a service station on Site with two underground storage tanks in 1948 (west and central parts); ○ Presence of a dry-cleaner on Site between 1979 and 1994; ○ Presence of repair garages and petroleum ASTs and USTs on the eastern and south-eastern adjacent properties (insurance plan dated 1948).
	G2S Comments: The previous environmental reports that were referenced in the report were not provided to G2S. Site photos were not included in the Phase One ESA.

Report Details	Findings and Conclusions
Title: Geotechnical Subsoil Investigation Report **Date of Report:** February 20, 2025 **Author of the Report:** Solroc Inc.	• The proposed future use of the property is to demolish the current twelve-storey building with two levels of underground and to construct a new high-rise building. • A separate hydrogeological study was being conducted which will be issued under a separate cover. • The fieldwork was carried out between December 6th and 16th, 2024 and included two geotechnical standard penetration testing (SPT) including bedrock coring within the first level of the basement (labelled BH-1 and BH-2). Four geotechnical SPT boreholes with sampling and bedrock coring were within the second level of the basement level (BH-3 to BH-6). • Fill materials were identified within 0.46 and 0.83 m below ground surface (bgs). • Bedrock was encountered between 1.09 and 1.47 m bgs within the first level of the basement, and 0.44 to 1.22 m bgs within the second level of the basement. All boreholes were advanced within the basement of the property due to the parcel being limited to the building footprint. • Surveying was not completed at the time of the assessment, however a document by others indicated the elevation of the slab 1st floor basement level was 64.5 m and the elevation of the slab on grade of the 2nd basement level is 61.5 m. • The geotechnical boreholes identified concrete, underlain by fill materials of crushed stone, or a mixture of humid, silt, sand and gravel in different proportions with traces to some clay. Dark grey shale with submillimetre quartz veins was underlain by the fill materials. • The groundwater level was identified between 2.29 and 2.43 m bgs on the first floor of the basement, and between 0.23 and 2.55 m bgs on the second floor of the basement on January 27th, 2025.

G2S also completed a Phase One ESA for the Site, entitled:

"Phase One Environmental Site Assessment, 77 Metcalfe Street, Ottawa, Ontario," dated April 14, 2025.

The Phase One ESA identified nine on-Site and several off-Site PCAs which were assessed based on observations of the operations, their location relative to the Site with respect to the inferred groundwater flow direction, their tenure, expected chemical storage amounts, etc. Based on review and evaluation of the information gathered, the following APECs were identified on-Site:

APEC 1: Entire Site – Fill material of unknown origin and chemical quality was identified during subsurface investigations completed by others in 2024.

APEC 2A: Northeast portion of Site – Historical presence of a dry cleaner within the northeast portion of the Site from the years 1912 – 1922.

APEC 2B: Western portion of Site – Historical presence of a dry cleaner located within the west central portion of the Site in 1922.

APEC 2C: Entire Site – Historical presence of Paragon Cleaners, a dry cleaner located within the second level of the basement from the years 1986 – 1998.

APEC 3A: Northwest portion of Site – Historical use of the Site by Beamish Service Station as a gasoline service station with two underground storage tanks (USTs) of unknown volume from the years 1931 – 1950.

APEC 3B: Northeast portion of Site – Current and historical presence of a 1,025 L diesel aboveground storage tank (AST) associated with a diesel backup generator located within the northeast portion of the Site.

APEC 3C: Western portion of the Site – Historical presence of two oil fired boilers located within the western portion of the Site in 1995.

APEC 4: Central portion of the Site – Current and historical presence of a transformer vault with the presence of polychlorinated biphenyls (PCBs).

APEC 5: Southern portion of the Site – Historical use of the southern portion of the Site as a commercial auto garage from the years 1922 – 1950.

APEC 6: Southeastern portion of the Site – Historical use of 75 Slater Street (southeast adjacent) as an autobody shop, battery servicing, presence of USTs from the years 1948 – 1963. Known soil contamination was identified within a Record of Site Condition (RSC) in 2022.

APEC 7: Western portion of the Site – Historical use of the 116 Albert Street (~20 m west) as a former used car dealership, a newspaper publisher and machinery shop from the years 1950 – 2000.

Based on the findings of this Phase One ESA, a Phase Two ESA was recommended to investigate the potential for contamination related to the above-noted APECs.

3. Scope of the investigation

3.1 Overview of Site Investigation

The purpose of this Phase Two ESA was to satisfy O. Reg. 153/04, as amended requirements, to investigate potential contamination within APECs identified during a Phase One ESA completed by G2S in April 2025, in preparation of filing an RSC for the Site. Refer to the appended Drawings 2 and 3 in Appendix A for a summary of the identified PCAs and APECs for the Site.

3.2 Scope of Work

The scope of work for this investigation included the following:

- Review of previous reports;
- The locating and marking of underground utilities by public and private utility locators;
- Attendance at the Site to complete boreholes and install groundwater monitoring wells;
- Soil and groundwater sampling;
- Laboratory analysis of soil and groundwater samples;
- Data compilation and evaluation of the information gathered, and
- Preparation of this report, discussing the information compiled and the corresponding conclusions and recommendations.

4. Investigation method

4.1 General

The locations of underground utilities were identified and marked by public locating companies as well as a private utility locating contractor.

4.2 Media Investigated

Based on the Phase One ESA, the media potentially impacted at the Site included soil and groundwater which were investigated as part of this Phase Two ESA. No sediment or surface water was present.

4.3 Phase One Conceptual Site Model

Based on the review, interpretation and evaluation of the data compiled, a Phase One Conceptual Site Model (CSM) of the Phase One ESA property was prepared and is included in the G2S Phase One ESA report completed in April 2025. The additional information acquired as part of this Phase Two ESA was used to prepare the Phase Two CSM, which will be finalized during the RSC.

4.4 Deviations from Sampling and Analysis Plan

No deviations from the sampling and analysis plan were encountered during this assignment.

4.5 Impediments

There were no impediments during completion of this Phase Two ESA.

4.6 Drilling

The field work for this investigation was completed in April 2025 and included the advancement of six boreholes on-Site (labelled as BH101 to BH106) by Ohlmann Geotechnical Services Inc. (OGS), a licensed well contractor, under the supervision of G2S staff. Four of the boreholes (BH101, BH103, BH104, and BH106) were completed as groundwater monitoring wells (labelled BH/MW101, BH/MW103, BH/MW104, and BH/MW106 respectively). A handheld Pionjar drill rig was used to advance the boreholes and to collect the soil samples. Monitoring well BH/MW101 and boreholes BH102 and BH105 were completed in the first level underground. Monitoring wells BH/MW103, BH/MW104, BH/MW106 and borehole BH105 were completed in the second level of underground.

Appropriate precautions were taken, and equipment and sampling tool decontamination was carried out during field work to minimize potential cross-contamination between samples and boreholes. Petroleum-based greases and/or solvents were not used during drilling activities. The boreholes were sampled to a maximum depth of approximately 0.3 to 1.3 m bgs upon auger refusal on bedrock. Four of the boreholes (BH101, BH103, BH104, and BH106) were extended into bedrock to a maximum depth of approximately 4.27 m bgs for monitoring well installation.

The borehole and monitoring well locations were established in the field by G2S as shown on Drawing 3 in Appendix A.

4.7 Soil Sampling

During field work, soil samples in the boreholes were collected with split spoon samplers using standard penetration methods. G2S staff continually monitored the field activities to log the recovered soil cores/samples, to record the depth of soil sample collection and total depths of the boreholes. Field observations were recorded on borehole logs and are included in Appendix B.

The soil samples were field logged and placed in laboratory provided glass jars with Teflon™ lined lids and/or methanol vials (pre-filled and weighed with 10 mL purge & trap grade methanol). Sample cores for analysis of volatiles were collected using a 5-gram Eze-Core Soil Sampler. Disposable nitrile gloves (one per sample) were used during sample collection. The jars and vials were then sealed and stored in an insulated cooler with ice for transportation to the laboratory for additional examination. The remaining soil samples were placed in a sealed plastic bag for vapour screening for the presence of organic vapours. Particular attention was applied to visual and olfactory evidence of potential contamination such as odour and staining during field work.

No soil was encountered in boreholes BH103, BH104 and BH106.

The soil sampling and sample handling procedures were carried out according to the supporting documents of O. Reg. 153/04, as amended and established standards.

4.8 Field Screening Measurements

Organic vapour readings were recorded using an RKI Eagle 2 gas detector, equipped with a Photo Ionization Detector (PID) sensor, calibrated to isobutylene (IBL) and a catalytic combustible gas sensor, calibrated to hexane (HEX). The PID sensor detects low level volatile organic compounds (VOCs) in parts per million (ppm) and the catalytic combustible gas sensor detects petroleum hydrocarbons (PHCs) in ppm or lower explosive limit (LEL). Accuracy of the gas monitor varies with the type of gas being measured.

The correlation between combustible vapour concentrations and PHCs in soil is highly dependent on the soil type, moisture content, and characteristics of the contaminant of concern. The results of the screening are used as a tool in establishing relative soil vapour concentrations, and aid in the selection of soil samples for chemical analysis among samples and borehole locations.

The organic vapour readings were measured by inserting the instrument's probe into the headspace of the plastic bag and manipulating the soil samples by hand. There are no regulatory criteria for soil vapours; however, organic vapour readings provide a general indication of the relative concentration of organic vapours encountered in the soil samples during drilling.

4.9 Groundwater Monitoring Well Installation

Groundwater monitoring wells were installed in boreholes BH101, BH103, BH104 and BH106, identified as BH/MW101, BH/MW103, BH/MW104, and BH/MW105, respectively. The monitoring wells were installed in accordance with the Ontario Water Resources Act – R.R.O. 1990, Regulation 903, as amended to O. Reg. 128/03, and were installed by a licensed well contractor (OGS Inc.).

The monitoring wells were installed to depths between 3.35 and 4.27 m bgs. The monitoring wells were constructed using 50-millimetre (mm) diameter, number 10 slot Schedule 40 PVC screen and PVC riser pipe, completed with a 1.5 m long screen, and sealed at the base with PVC end

cap and an appropriate length of riser pipe extending to just below the flushmount casings. All pipe connections were threaded flush joints with no lubricants or adhesives used in the construction of the monitoring wells. Details of the completion of the monitoring wells are provided on the borehole logs in Appendix B. The annular space around the well screen in the wells were backfilled with silica sand to an approximate height of 0.3 m above the top of the screen. The sand pack was extended above the screens to allow for compaction of the sand pack and expansion of the overlying well seal. A granular bentonite ('Hole Plug') seal was placed in the borehole annulus from the top of the sand pack to approximately 0.15 m below the ground surface. The monitoring wells were completed with flushmount protective steel casings cemented in place.

The Site owner is considered to be the owner of the monitoring wells installed by Davis ("well owner" Section 1.0, Regulation 903). When the monitoring wells are no longer required, it is the owner's responsibility to arrange for abandonment in accordance with Ontario Water Resources Act–R.R.O. 1990, Regulation 903, as amended to O. Reg. 128/03.

4.10 Elevation Surveying

The borehole/monitoring well locations were selected and established in the field by G2S and ground surface elevations were determined by G2S. The following benchmark was used for vertical reference:

BM: Door sill at centre of unground parking garage, located at the southern boundary of the Site.
Geodetic Elevation: 67.02 m (metric, assigned)

4.11 Groundwater Sampling

On April 8 and April 10, 2025, G2S attended the Site to record the groundwater levels, develop and purge the groundwater in the monitoring wells, and to collect groundwater samples for chemical testing.

G2S returned to the Site on April 16, 2025, to collect the remaining groundwater sample from monitoring well MW106.

G2S returned to the Site on June 9, 2025, to record the groundwater levels, develop and purge the groundwater in the monitoring wells, and to collect groundwater samples for chemical testing.

An electronic water level meter was used to record the depth of groundwater in the monitoring wells. Dedicated bailers were installed in the monitoring wells for purging and dedicated low-density polyethylene (LDPE) tubing was installed in the monitoring wells for sample collection with a low flow peristaltic pump. Well development included the removal of a minimum of three casing volumes or until the wells were dry, in accordance with fixed volume and well evacuation purging procedures as outlines in ASTM D6452 99 (2012). The electric water level meter was rinsed with a mild detergent, distilled water, and methanol to prevent cross contamination between wells.

The groundwater samples were field logged and placed in clean, laboratory provided bottles and stored in an insulated cooler on ice. Samples were then taken to the G2S laboratory where the samples were temporarily preserved in a refrigerator to maintain a cool environment or were delivered directly to the laboratory for analysis. Particular attention was applied to visual and olfactory evidence of potential contamination such as odours and/or sheen during field work.

The groundwater sampling and sample handling procedures were carried out according to the supporting documents of O. Reg. 153/04, as amended and established standards.

4.12 Analytical Testing

Selected soil and groundwater samples were submitted for chemical analysis under chain of custody protocols to AGAT Laboratories (AGAT), a Canadian Association for Laboratory Accreditation Inc. (CALA) accredited laboratory.

The rationale for soil sample selection was based on visual and/or olfactory evidence of potential contamination and assessment of the APECs identified in the 2025 Phase One ESA. Soil samples from the boreholes were analyzed for potential contaminants of concern (COCs), including petroleum hydrocarbon fractions F1 to F4 (PHCs F1 to F4) including benzene, toluene, ethylbenzenes, and xylenes (BTEX), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and metals and other regulated parameters (ORPs). Grain size analysis was also completed on soil sample BH101 S2 to confirm the soil texture. The table below indicates the soil samples selected for laboratory analysis.

Table 3: Soil Samples Submitted for Laboratory Analysis

Sample ID	Depths (m bgs)	Date Sampled	Chemical Analysis					Rationale
			PHCs F1 to F4	BTEX	VOCs	PAHs	M/ORPs	
BH101 S2	0.6 – 1.2	April 7, 2025	✓	✓	✓	✓	✓	Investigate APEC 1, APEC 2C, APEC 3A to confirm soil quality
BH102 S1B	0.2 – 0.6		✓	✓	✓	✓	✓	Investigate APEC 1, APEC 2A, APEC 2C, APEC 3B to confirm soil quality
BH105 S2	0.6 – 1.2		✓	✓	✓	✓	✓	Investigate APEC 1, APEC 2C, APEC 3A, and APEC 7 to confirm soil quality
BH110 S2	Duplicate of BH105 S2		✓	✓	✓	✓	✓	QA/QC

Notes: PHCs - Petroleum Hydrocarbons Fractions F1-F4 BTEX – Benzene, Toluene, Ethylbenzene, Xylenes
PAHs – Polycyclic Aromatic Hydrocarbons VOCs – Volatile Organic Compounds
M/ORPs – Metals and Other Regulated Parameters*
ORPs include boron-hot water soluble (HWS), free cyanide (CN-), chromium hexavalent (CrVI), mercury (Hg), pH, electrical conductivity (EC), and sodium adsorption ratio (SAR)

mbgs – meters below ground surface

The rationale for groundwater sample selection was based on visual and/or olfactory evidence of potential contamination and the identified APECs. Groundwater samples from the monitoring wells were analyzed for potential COCs including PHCs F1 to F4, BTEX, VOCs, PAHs, metals and ORPs, and polychlorinated biphenyls (PCBs). The table below provides details of the groundwater samples collected and the chemical analyses performed.

Table 4: Groundwater Samples Submitted for Laboratory Analysis

Sample ID	Monitoring Well ID	Date Sampled	Chemical Analysis						Rationale
			PHCs F1 to F4	BTEX	VOCs	PAHs	M/ORPs	PCBs	
F1		April 8, 2025	✓	✓	✓	✓	✓		Investigate APEC 1, APEC 2A, APEC 2C, APEC 3B to confirm groundwater quality
F2			✓	✓	✓	✓	✓		Investigate APEC 1, APEC 2C, APEC 3A, APEC 7 to confirm groundwater quality
F3			✓	✓	✓	✓	✓		Investigate APEC 1, APEC 2C, APEC 6 to confirm groundwater quality
F5			✓	✓	✓				Investigate APEC 1, APEC 2C, APEC 5 to confirm groundwater quality

Sample ID	Monitoring Well ID	Date Sampled	Chemical Analysis						Rationale
			PHCs F1 to F4	BTEX	VOCs	PAHs	M/ORPs	PCBs	
F6		April 8, 2025	✓	✓	✓		✓		Investigate APEC 1, APEC 2B, APEC 2C, APEC 3C, APEC 7 to confirm groundwater quality
F7	Duplicate of F6		✓	✓	✓		✓		QA/QC
MW101	BH/MW101	June 9, 2025	✓	✓	✓	✓	✓		Investigate APEC 1, APEC 2C, APEC 3A to confirm groundwater quality
MW120	Duplicate of MW101					✓			QA/QC
MW103	BH/MW103	April 10, 2025	✓	✓	✓		✓		Investigate APEC 1, APEC 2B, APEC 2C, APEC 3C, APEC 4, APEC 7 to confirm groundwater quality
		June 9, 2025						✓	
MW121	Duplicate of MW103							✓	QA/QC
MW104	BH/MW104	April 10, 2025	✓	✓	✓		✓		Investigate APEC 1, APEC 2B, APEC 2C, APEC 3C, APEC 7 to confirm groundwater quality

Sample ID	Monitoring Well ID	Date Sampled	Chemical Analysis						Rationale
			PHCs F1 to F4	BTEX	VOCs	PAHs	M/ORPs	PCBs	
MW106	BH/MW106	April 14, 2025	✓	✓	✓		✓		Investigate APEC 1, APEC 2C, APEC 5, APEC 6, APEC 8 to confirm groundwater quality

Notes: ORPs include free cyanide (CN-), chromium hexavalent (CrVI), mercury (Hg), pH, and chloride (Cl-).
PCBs – Polychlorinated biphenyls

4.13 Residue Management Procedures

Soil cuttings generated during drilling and purged groundwater from the monitoring wells were stored on-Site in sealed steel drums, pending the results of chemical testing. The drums can be removed off Site by a licenced waste disposal subcontractor once no longer required, or during redevelopment of the Site.

5. Review and Evaluation

5.1 Geology

Reference is made to the appended drawings in Appendix A and borehole logs in Appendix B for details of the field work including sampling locations, visual soil classification, inferred stratigraphy, groundwater observations, and monitoring well installation details. Borehole logs for borehole/monitoring wells completed by others in 2024 are also included in Appendix B, and their approximate locations are shown on the appended drawings.

The boundaries indicated on the borehole logs are intended to reflect transition zones for the purpose of environmental assessment and should not be interpreted as exact planes of geological change.

A description of the soil stratigraphy encountered on the Site, in order of depth, is summarized in the sections below.

Pavement Structure

A layer of concrete was encountered in boreholes BH101, BH102, BH105 and BH106, approximately 115 to 200 mm in thickness. A layer of linoleum tile over concrete was encountered in borehole BH103, approximately 125 mm in thickness. A layer of linoleum tile was encountered over the concrete in borehole BH103. A layer of carpet tile over concrete was encountered in borehole BH104, approximately 125 mm in thickness.

Fill Materials

Fill materials were encountered beneath the pavement structure in each of the boreholes, generally consisting of dark grey crushed gravel, with possible crushed bedrock in boreholes BH103, BH104 and BH106. Grey and brown gravelly sand with some silt and gravel fill was encountered in boreholes BH101, BH102 and BH105, extending to borehole completion depths between 0.3 and 1.3 m below ground surface (bgs).

Bedrock

Shale bedrock was encountered below the fill material in BH101 to BH106 at depths ranging from approximately 0.3 to 1.3 m bgs.

5.2 Groundwater Elevation and Flow Direction

Groundwater levels were measured in the wells on April 7, April 9, April 10, April 14 and June 9, 2025, respectively. The arbitrary elevation of the ground surface was determined in the field, and groundwater level measurements were taken by measuring to the surface of the groundwater from the ground surface and from the top of the well casing with the necessary corrections made to establish depths below grade if required.

The following table summarizes the monitoring well installation details and groundwater observations.

Table 5: Summary of Groundwater Levels

Monitoring Well I.D.	Ground Surface Elevation	Well Depth from Ground Surface (m)	Screened Interval Elevation (m) and Depth (m bgs)	Groundwater Elevation and Depth (m bgs)				
				April 7, 2025	April 9, 2025	April 10, 2025	April 14, 2025	June 9, 2025
BH/MW101	66.30	4.00	63.82 – 62.30 (2.48 – 4.00)	63.80 (2.50)	-	-	-	63.63 (2.67)
BH/MW103	63.10	3.32	61.30 – 59.78 (1.80 – 3.32)	-	60.64 (2.46)	60.65 (2.45)	-	60.93 (2.17)
BH/MW104	63.10	3.00	61.62 – 60.10 (1.48 – 3.00)	-	62.75 (0.35)	61.05 (2.05)	-	61.11 (1.99)
BH/MW106	63.10	3.38	61.24 – 59.72 (1.86 – 3.38)	-	-	-	61.58 (1.52)	60.78 (2.32)
F1	66.30	3.35	65.10 – 62.95 (1.20 – 3.35)	64.07 (2.23)	-	-	-	**
F2	66.30	3.67	65.10 – 62.63 (1.20 - 3.67)	63.89 (2.41)	-	-	-	63.73 (2.57)
F3	63.10	3.01	61.90 – 60.09 (1.20 – 3.01)	60.99 (2.11)	-	-	-	60.75 (2.35)
F5	63.10	2.99	61.90 – 60.11 (1.20 – 2.99)	61.87 (1.23)	-	-	-	61.60 (1.50)
F6	63.10	6.03	60.07 – 57.07 (3.03 – 6.03)	60.62 (2.48)	-	-	-	60.96 (2.14)

Notes: Monitoring wells were surveyed for elevation relative to a geodetic benchmark.
Monitoring wells BH/MW102, BH/MW103, BH/MW106, F3, F5 and F6 are located within the second level of underground.
mbgs – meters below ground surface
- water level not taken
**inaccessible at time of sampling

Based on the higher elevation of the concrete floor on first level of underground, the groundwater elevations from monitoring wells MW101, F2 and F1 were not included in the evaluation of the groundwater flow contour.

Based on the measured groundwater elevation data, local groundwater flow at the Site appears to be towards the northeast. The expected direction of groundwater flow in the Study Area is to

the northeast, following surface topography towards Rideau Canal, which is located approximately 315 m northeast of the Site.

The groundwater levels were found at depths between 1.50 and 2.67 m bgs during the most recent round of measurements on June 9, 2025. Groundwater levels are subject to seasonal fluctuations and variations in precipitation; however, the effects of seasonal variation at the Site are not anticipated to significantly affect the groundwater conditions of the Site from an environmental viewpoint. Due to the depth of groundwater, utilities are not expected to impact the flow of groundwater or affect the migration of contaminants.

5.3 Groundwater Hydraulic Gradient

Groundwater level contours for the monitoring wells on-Site are shown on Drawing 4, which also shows the monitoring well locations and measured water levels. Table 5 above provides a summary of the water levels between April and June 2025.

Based on G2Ss' Site observations and short-term water level measurements, the groundwater table underlying the Site has a horizontal gradient of approximately 0.06 (6%) towards the northeast.

Vertical hydraulic gradient was not determined as part of the investigation since the COCs in groundwater met the applicable MECP Table 3 SCS.

5.4 Soil Texture

The subsurface stratigraphy in the boreholes typically comprised of fill materials. Grain size analysis of representative samples collected during the Phase Two ESA were completed by AGAT and indicated 71% by mass of particles were 75 µm or larger in mean diameter, thus indicating coarse textured soils as defined in O. Reg. 153/04.

5.5 Soil Field Screening

Measured soil vapour concentrations on the headspace of recovered soil samples were identified at 0 ppm for the catalytic gas sensor and 0 ppm for the photoionization detector at the time of sampling. Complete soil field screening measurements are presented on the borehole logs in Appendix B.

5.6 Analytical Findings – Soil

Tables summarizing the analytical results are included in Appendix C and the laboratory Certificates of Analysis for the soil samples submitted for analysis are included in Appendix D.

The laboratory reported detection limits (RDLs) were below the MECP Table 3 RPI SCS for the parameters analyzed.

5.6.1 Petroleum Hydrocarbons Fractions F1 to F4 (PHC F1 to F4) including Benzene, Toluene, Ethylbenzene, and Xylene (BTEX)

Petroleum hydrocarbons F1 to F4 and BTEX were not detected or were detected at concentrations below the Table 3 RPI SCS in the submitted soil samples. Refer to Table 1 in Appendix C.

5.6.2 Volatile Organic Compounds (VOCs)

Volatile organic compounds were not detected or were detected at concentrations below the Table 3 RPI SCS in the submitted soil samples. Refer to Table 2 in Appendix C.

5.6.3 Polycyclic Aromatic Hydrocarbons (PAHs)

Polycyclic aromatic hydrocarbons were not detected or were detected at concentrations below the Table 3 RPI SCS in the submitted soil samples. Refer to Table 3 in Appendix C.

5.6.4 Metals and Other Regulated Parameters (ORPs)

Metals and ORPs were not detected or were detected as concentrations below the Table 3 RPI SCS in the submitted soil samples, with the exception of the following:

- Sample BH101 S2 (0.6 – 1.2 m bgs) – Electrical conductivity (EC) (4.76 mS/cm) exceeded the SCS of 0.7 mS/cm, and Sodium adsorption ratio (SAR) (15) exceeded the SCS of 5.
- Sample BH102 S2 (0.6 – 1.2 m bgs) – EC (3.59 mS/cm) exceeded the SCS of 0.7 mS/cm, and SAR (7.8) exceeded the SCS of 5.
- Sample BH105 S2 (0.6 – 1.2 m bgs) – EC (3.12 mS/cm) exceeded the SCS of 0.7 mS/cm, and SAR (19) exceeded the SCS of 5.
- Sample BH111 S2 (Duplicate of BH101 S2) – EC (4.42 mS/cm) exceeded the SCS of 0.7 mS/cm, and SAR (5) exceeded the SCS of 5.

The elevated EC and SAR are attributed to the historical use of de-icing salt on the surfaces of the Site and adjacent roadways. Under O. Reg. 153/04, as amended, where a SCS is exceeded solely because a substance has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow and ice, the applicable SCS is deemed not to be exceeded. In this regard, the EC and SAR impacts would not be considered “contamination”. Reference is made to O. Reg. 153/04, as amended, s. 49 (1).

Refer to Table 4 in Appendix C.

5.7 Analytical Findings – Groundwater

Tables summarizing the analytical results are included in Appendix C and the laboratory Certificates of Analysis for the groundwater samples submitted for analysis are included in Appendix D.

The laboratory RDLs were below the MECP Table 3 SCS for the parameters analyzed.

5.7.1 PHC F1 to F4 and BTEX

Petroleum hydrocarbons F1 to F4 and BTEX were not detected in the submitted groundwater samples and met the Table 3 SCS. Refer to Table 5 in Appendix C.

5.7.2 VOCs

Volatile organic compounds were not detected or were detected at concentrations below the Table 3 SCS in the submitted groundwater samples, with the exception of the following:

- Sample MW101 (collected on April 8, 2025 from BH/MW101) – Chloroform (2.54 µg/L) exceeded the SCS of 2.4 µg/L.

The elevated chloroform concentrations in groundwater are attributed to treated municipal water, and concentrations are below the values in Table A of the MECP's "Guidance for Addressing Chloroform at a Record of Site Condition Property". As such, it is deemed to not exceed the SCS.

Refer to Table 6 in Appendix C.

5.7.3 PAHs

Polycyclic aromatic hydrocarbons were not detected in the submitted groundwater samples and met the Table 3 SCS. Refer to Table 7 in Appendix C.

5.7.4 Metals and ORPs

Metals and ORPs were not detected in the submitted groundwater samples and met the Table 3 SCS. Refer to Table 8 in Appendix C.

5.7.5 Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyls were not detected in the submitted groundwater samples and met the Table 3 SCS. Refer to Table 9 in Appendix C.

5.7.6 LNAPLs and DNAPLs

No sheen or hydrocarbon odours were observed in the purged groundwater from the monitoring wells.

5.8 Quality Assurance/Quality Control (QA/QC) Results

AGAT Laboratories (AGAT) is accredited by the Canadian Association for Laboratory Accreditation (CALA) in accordance with ISO/IEC 17025:2017 – "General Requirements for the Competence of Testing and Calibration Laboratories" for the analysis of all parameters for all samples in the scope of work for which SCS have been established under O. Reg. 153/04.

The chemical analyses conducted by AGAT were in accordance with the O. Reg. 153/04 Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act dated March 9, 2004, amended as of July 1, 2011.

Soil and groundwater samples were analysed by using standard reference methods and the testing methods were referenced in the AGAT Certificates of Analysis, as required by the MECP's protocol. Laboratory Quality Assurance/Quality Control (QA/QC) data is included with the Certificates of Analysis, which are appended. Method blank, spiked method blank, laboratory spiked, and duplicate soil samples were analysed by the laboratory with each batch of samples.

The results of chemical analysis of method blank sample indicated that the detected levels were within the acceptable range. The chemical test data for spiked method blank and laboratory spike samples indicated that the recovery ranges were within the statistically determined control limits.

Trip blank samples as well as blind field duplicates were obtained by G2S during the field work and submitted to AGAT as summarized in the following table:

Table 6: Trip Blank & Duplicate Sample Submissions

Sample I.D.	Date	Matrix	Rationale for Submission	Analysis
BH110 S2	04/07/25	Soil	Field duplicate of BH105 S2	PHCs, BTEX, VOCs, PAHs
BH111 S2	04/07/25	Soil	Field duplicate of BH101 S2	M/ORPs
F7	04/08/25	GW	Field duplicate of F6	PHCs, BTEX, VOCs, M/ORPs
Trip Blank	04/10/25	GW	Laboratory Quality Assurance	VOCs
Trip Blank	04/14/25	GW	Laboratory Quality Assurance	
MW120	06/09/25	GW	Field duplicate of MW101	PAHs
MW121	06/09/25	GW	Field duplicate of MW103	PCBs

Note: GW – Groundwater

As a means of determining the reproducibility or variability related to analytical procedures of a homogenous sample, the relative percentage differences (RPD) between analyzed values for original and duplicate samples were calculated.

For sample reproducibility calculations, maximum RPD values were calculated using the following formula:

$$RPD = \frac{\text{Difference between duplicate results}}{\text{Average of duplicate results}} \times 100\%$$

The maximum RPD values for some M/ORP parameters calculated were above the acceptable statistical variation of 40% in soil sample BH102 S2 and duplicate sample BH111 S2. A summary of the data is presented in the following table. It is noted this soil sample comprised heterogeneous fill.

Table 7: QA/QC Samples Submitted of Laboratory Analysis – Soil

Parameter	Sample ID	Analytical Result (µg/g)	RPD (%)
Barium	BH102 S2	158	48.4
	BH111 S2	96.4	
Boron (Hot Water Soluble (HWS))	BH102 S2	0.35	41.3
	BH111 S2	0.23	
Chromium	BH102 S2	19	62.0
	BH111 S2	10	
Cobalt	BH102 S2	7.7	65.5
	BH111 S2	3.9	
Copper	BH102 S2	13.5	41.0
	BH111 S2	8.9	
Lead	BH102 S2	9.0	76.9
	BH111 S2	4.0	
Molybdenum	BH102 S2	1.7	51.8
	BH111 S2	1.0	
Nickel	BH102 S2	14	54.5
	BH111 S2	8.0	
Zinc	BH102 S2	28	73.1

Parameter	Sample ID	Analytical Result (µg/g)	RPD (%)
	BH111 S2	13	
Sodium Adsorption Ratio	BH102 S2	7.8	42.4
	BH111 S2	12	

The maximum RPD for M/ORP in the duplicate groundwater sample was outside of the acceptable statistical variation of 30 to 40% in the groundwater sample F6 and the duplicate sample F7. The data is summarized in the following table:

Table 8: QA/QC Samples Submitted of Laboratory Analysis – Groundwater

Parameter	Sample ID	Analytical Result (ug/L)	RPD (%)
Selenium	F6	2.1	35.2
	F7	3.0	

Per O. Reg. 153/04, as amended protocol, the RPD acceptance criteria only applies if the average value of the sample and duplicate is greater or equal to 5 times reported detection limit (RDL).

- The RDL of boron (HWS) 0.1 µg/g and the boron (HWS) value for sample BH102 S2 and BH111 S2 (Duplicate of BH102 S2) are 0.35 µg/g and 0.23 µg/g, respectively. The average value of the two soil samples is 0.29 µg/g, which is less than 5 times the RDL (0.5 µg/g).

- The RDL of chromium is 5 µg/g and the chromium value for sample BH102 S2 and BH111 S2 (Duplicate of BH102 S2) are 19 µg/g and 10 µg/g, respectively. The average value of the two soil samples is 14.5 µg/g, which is less than 5 times the RDL (25 µg/g).

- The RDL of molybdenum is 0.5 µg/g and the molybdenum value for sample BH102 S2 and BH111 S2 (Duplicate of BH102 S2) are 1.7 µg/g and 1.0 µg/g, respectively. The average value of the two soil samples is 1.35 µg/g, which is less than 5 times the RDL (2.5 µg/g).

- The RDL of zinc is 5 µg/g and the zinc value for sample BH102 S2 and BH111 S2 (Duplicate of BH102 S2) are 28 µg/g and 13 µg/g, respectively. The average value of the two soil samples is 20.5 µg/g, which is less than 5 times the RDL (25 µg/g).

The RPD acceptance criteria does not apply in the above instances. The rationale behind this is that as the measured result approaches the MDL, the uncertainty associated with the value increases dramatically, thus the duplicate acceptance limits (RPD acceptance criteria) apply only where the average of the two duplicates is greater than 5 times the RDL.

- The RDL of barium is 2 µg/g and the barium value for sample BH102 S2 and BH111 S2 (Duplicate of BH102 S2) are 158 µg/g and 96.4 µg/g, respectively. The average value of the two soil samples is 127.2 µg/g, which is greater than 5 times the RDL (10 µg/g).

- The RDL of cobalt is 0.8 µg/g and the cobalt value for sample BH102 S2 and BH111 S2 (Duplicate of BH102 S2) are 7.7 µg/g and 3.9 µg/g, respectively. The average value of the two soil samples is 5.8 µg/g, which is greater than 5 times the RDL (4 µg/g).

- The RDL of copper is 1.0 µg/g and the copper value for sample BH102 S2 and BH111 S2 (Duplicate of BH102 S2) are 13.5 µg/g and 8.9 µg/g, respectively. The average value of the two soil samples is 11.2 µg/g, which is greater than 5 times the RDL (5 µg/g).

- The RDL of lead is 1.0 µg/g and the lead value for sample BH102 S2 and BH111 S2 (Duplicate of BH102 S2) are 9.0 µg/g and 4.0 µg/g, respectively. The average value of the two soil samples is 6.5 µg/g, which is greater than 5 times the RDL (5 µg/g).

- The RDL of nickel is 1.0 µg/g and the nickel value for sample BH102 S2 and BH111 S2 (Duplicate of BH102 S2) are 14 µg/g and 8.0 µg/g, respectively. The average value of the two soil samples is 11 µg/g, which is greater than 5 times the RDL (5 µg/g).

Regarding barium, cobalt, copper, lead and nickel, the MECP does allow for larger limits with respect to field duplicates as the MECP recognizes the increased variability in sampling and subsequent elevated uncertainty.

The RPDs outlined by the MECP (as generally less than or equal to 40%), refer to laboratory duplicates from homogenous samples. Fill samples are heterogeneous and thus, subject to both laboratory and sampling variability. As such, RPD control limits are generally larger than those defined in the Environmental Protection Act (EPA) and/or the MECP guidelines which outline sample duplicates of homogeneous samples and do not specify specific criteria for field duplicates. MECP documentation does however allow for larger limits with respect to field duplicates as the MECP recognizes the increased variability in sampling and subsequent elevated uncertainty.

The results of laboratory duplicate sampling performed by AGAT as part of their in-house QA/QC yielded acceptable data. The overall quality of the field data from the investigation with respect to the data quality objectives demonstrated that the overall objectives of the investigation and the assessment were met.

Trip Blank – VOCs were not detected in the trip blank.

Trip Spike – Percent recovery of the trip spike parameters ranged from 31% to 120%, within acceptable recovery levels.

With respect to subsection 47 (3) of the regulation, we confirm that:

A. All certificates of analysis or analytical reports received pursuant to clause 47 (2) (b) of the regulation comply with subsection 47(3)

B. A certificate of analysis or analytical report has been received for each sample submitted for analysis, and

C. All certificates of analysis or analytical reports received have been included in full in an appendix to the phase two environmental site assessment report.

5.9 Summary of Contamination

Tables summarizing the analytical results are included in Appendix C – Tables 1 to 4 for soil and Tables 5 to 9 for groundwater.

The soil quality on-Site met the Table 3 SCS in the soil tested, with the exception of EC and SAR present within the fill material on-Site. The elevated EC and SAR are attributed to the historical use of de-icing salt on the surfaces of the Site and adjacent roadways. Under O. Reg. 153/04, as amended, where a SCS is exceeded solely because a substance has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow and ice, the applicable SCS is deemed not to be exceeded. In this regard, the EC and SAR impacts would not be considered “contamination”. Reference is made to O. Reg. 153/04, as amended, s. 49 (1).

Refer to Drawings 5A to 5E in Appendix A for plan views of the soil analytical data.

The groundwater quality on-Site met the Table 3 SCS in the monitoring wells tested. Refer to Drawings 6A to 6E in Appendix A for plan views of the groundwater analytical data.

6. Conclusions and Recommendations

The purpose of this Phase Two ESA was to satisfy O. Reg. 153/04 (as amended) requirements, to investigate potential contamination within Areas of Potential Environmental Concern (APECs) identified during a Phase One ESA completed by G2S in April 2025, in preparation of filing an RSC for the Site. Refer to the appended Drawings 2 and 3 in Appendix A for a summary of the identified Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs) for the Site.

G2S understands the Client requires the Phase Two ESA for due diligence purposes related to the proposed acquisition of the Site and redevelopment for residential purposes. Since there is a change in property use planned (commercial to residential), a Record of Site Condition (RSC) is required under O. Reg. 153/04, as amended, prior to re-development.

The field work for this investigation was completed from April to June 2025 and included the advancement of six boreholes, four of which were installed as groundwater monitoring wells. Refer to Drawing 3 for the borehole and monitoring well locations.

The findings of this assignment are summarized as follows:

1. In general, the subsurface conditions of the building interior included a pavement structure comprising approximately 115 to 200 millimeters of concrete, underlain by crush gravel and sand with crushed bedrock fill materials (approximately 0.3 to 1.3 m below ground surface (bgs)). Shale bedrock was encountered at depths ranging from approximately 0.3 to 1.3 m bcf. Refer to the borehole logs in Appendix B.

2. Groundwater was found in the monitoring wells during the most recent round of sampling on June 9, 2025, between depths of 1.50 and 2.67 m bgs.

3. Soil samples were submitted for laboratory analysis of petroleum hydrocarbon fractions F1 to F4 (PHCs F1 to F4) including benzene, toluene, ethylbenzene, xylenes (BTEX), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and metals and other regulated parameters (ORPs). The concentrations of the tested parameters in the submitted samples were below the Ministry of Environment, Conservation, and Parks (MECP) Table 3 Site Condition Standards (SCS) for Residential/Parkland/Institutional (RPI) Property Use, with the exception of the following:

    - Sample BH101 S2 (0.6 – 1.2 m bgs) – Electrical conductivity (EC) (4.76 mS/cm) exceeded the SCS of 0.7 mS/cm, and Sodium adsorption ratio (SAR) (15) exceeded the SCS of 5.

    - Sample BH102 S2 (0.6 – 1.2 m bgs) – EC (3.59 mS/cm) exceeded the SCS of 0.7 mS/cm, and SAR (7.8) exceeded the SCS of 5.

    - Sample BH105 S2 (0.6 – 1.2 m bgs) – EC (3.12 mS/cm) exceeded the SCS of 0.7 mS/cm, and SAR (19) exceeded the SCS of 5.

    - Sample BH111 S2 (Duplicate of BH101 S2) – EC (4.42 mS/cm) exceeded the SCS of 0.7 mS/cm, and SAR (5) exceeded the SCS of 5.

The elevated EC and SAR are attributed to the historical use of de-icing salt on the surfaces of the Site and adjacent roadways. Under O. Reg. 153/04, as amended, where a SCS is exceeded solely because a substance has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow and ice, the applicable SCS is deemed not to be exceeded. In this regard, the EC and SAR impacts would not be considered "contamination". Reference is made to O. Reg. 153/04, as amended, s. 49 (1).

4. Groundwater samples from the monitoring wells were submitted for laboratory analysis of PHCs F1-F4 including BTEX, VOCs, PAHs, metals and ORPs, and polychlorinated biphenyls (PCBs). The concentrations of the tested parameters in the submitted samples were below the MECP Table 3 SCS, with the exception of the following:

    - Sample MW101 (collected on April 8, 2025 from BH/MW101) – Chloroform (2.54 µg/L) exceeded the SCS of 2.4 µg/L.

The elevated chloroform concentrations in groundwater are attributed to treated municipal water, and concentrations are below the values in Table A of the MECP's "Guidance for Addressing Chloroform at a Record of Site Condition Property". As such, it is deemed to not exceed the SCS.

Based on the results of the Phase Two ESA, the Site soil meets the applicable MECP Table 3 RPI SCS. The groundwater quality on-Site meets the applicable SCS in the samples tested.

In accordance with O. Reg. 903/90, as amended, the monitoring wells should be decommissioned if the wells are not in use or being maintained for future use.

The assignment is subject to the Statement of Limitations that is included in this report. It should be noted soil and groundwater conditions between and beyond the sampled locations may differ from those encountered during this assignment. G2S should be contacted if impacted soil or groundwater conditions become apparent during future development to further access and appropriately handle the materials, if any, and evaluate whether modifications to the conclusions documented in this report are necessary.

7. Qualifications of the Assessors

This Phase Two ESA was conducted by Hailey Perras, B.Sc. Ms. Perras is responsible for the successful completion of field work and reporting. Ms. Perras has completed numerous projects on behalf of private and public sector clients for industrial, commercial, and residential sites.

This Phase Two ESA was reviewed by Ms. Stephanie Lewis, B.A. Ms. Lewis has been trained to conduct Phase One and Two ESAs in accordance with the CSA and O. Reg 153/04, as amended. She is a senior project manager with over 10 years of professional experience specializing in environmental investigations and project management. Her main areas of expertise include Phase One and Phase Two ESAs, project management, site cleanup/remediation, UST and AST removals, and site remediation. She has completed numerous projects on behalf of private and public-sector clients for industrial, commercial, and residential sites.

This Phase Two ESA was reviewed by Mr. Steve Campbell, P. Geo. Mr. Campbell has over 20 years of environmental consulting experience, including Phase One and Two ESAs, hazardous materials management, contaminant hydrogeology, air quality, environmental monitoring and remediation of contaminated sites. Mr. Campbell is responsible for the overall management of projects, QA/QC, and health and safety, as well as acting as a technical lead on projects. Mr. Campbell is a Qualified Person as defined in Ontario Regulation 153/04 for signing off on Phase One and Two ESAs, remediation reports and Records of Site Condition (RSCs). Mr. Campbell has managed numerous asbestos, designated substances and mould assessments, as well as remediation programs.

8. References and Supporting Documentation

a) "Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario" Ministry of the Environment of Ontario, December 1996.

b) "Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act", April 15, 2011.

c) The Ontario Water Resources Act – R.R.O. 1990, Regulation 903 – Amended to O. Reg. 128/03, August 2003.0.8

d) "Protocol for Analytical Methods Used in the Assessment of Properties Under Part XV.1 of the Environmental Protection Act", March 2004.

e) Ontario Regulation 153/04 (made under the Environmental Protection Act), May 2004, as amended.

f) "Z769-00, Phase II Environmental Site Assessment," Canadian Standard Association, March 2000.

g) Environmental Protection Act, R.S.O. 1990, Chapter E.19, as amended, September 2004.

h) Singer SN, Cheng CK, Scafe MG. (2003). *The Hydrogeology of Southern Ontario, Second Edition*, Report from the Ontario Ministry of the Environment.

i) "Final Phase I Environmental Site Assessment, 77 Metcalfe Street, Ottawa, Ontario," prepared by Solroc. for Edifice 77 Metcalfe Inc., dated October 16, 2024. Ref. PR.EN01.23.0219.

j) "Geotechnical Subsoil Investigation Report, 77 Metcalfe Street, Ottawa, Ontario." Prepared by Solroc. For Groupe Mach Inc., dated February 20th, 2025. Ref. PR.GT01.24.0115.

k) "Phase One Environmental Site Assessment, 77 Metcalfe Street, Ottawa, Ontario," dated April 14, 2025, prepared by G2S Consulting Inc. for Groupe Mach Inc.

9. Limitations

This report has been prepared for the sole benefit of Groupe Mach Inc. (the Client) and is intended to provide limited information on the subsurface environmental conditions at the Site. The report may not be used by any other person or entity without the expressed written consent of the Client and G2S Consulting Inc. (G2S). Any use which a third party makes of this report, or any reliance on decisions made based on it, is the responsibility of such third parties. G2S accepts no responsibility for damages, if any suffered by any third party as a result of decisions made or actions based on this report.

The findings in this report are limited to the conditions at the Site at the time of this investigation as described herein. Conclusions presented in this report should not be construed as legal advice.

If Site conditions or applicable standards change or if any additional information becomes available at a future date, changes to the findings, conclusions and recommendations in this report may be necessary.

10. Closing Remarks

We trust this report is satisfactory for your purposes. Should you have any questions, please do not hesitate to contact this office.

Yours truly,

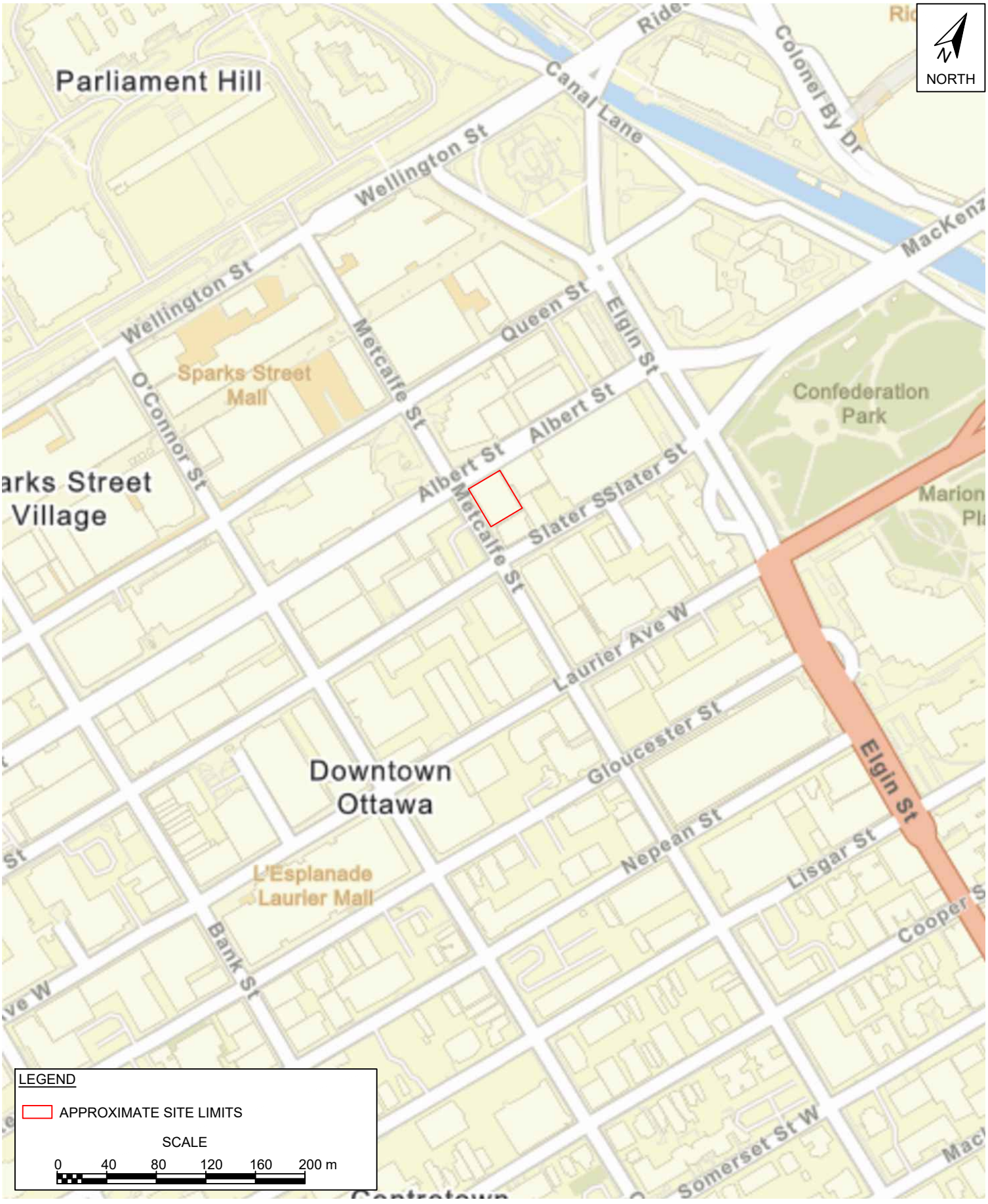
G2S Consulting Inc.

Hailey Perras, B.Sc.
Environmental Technican

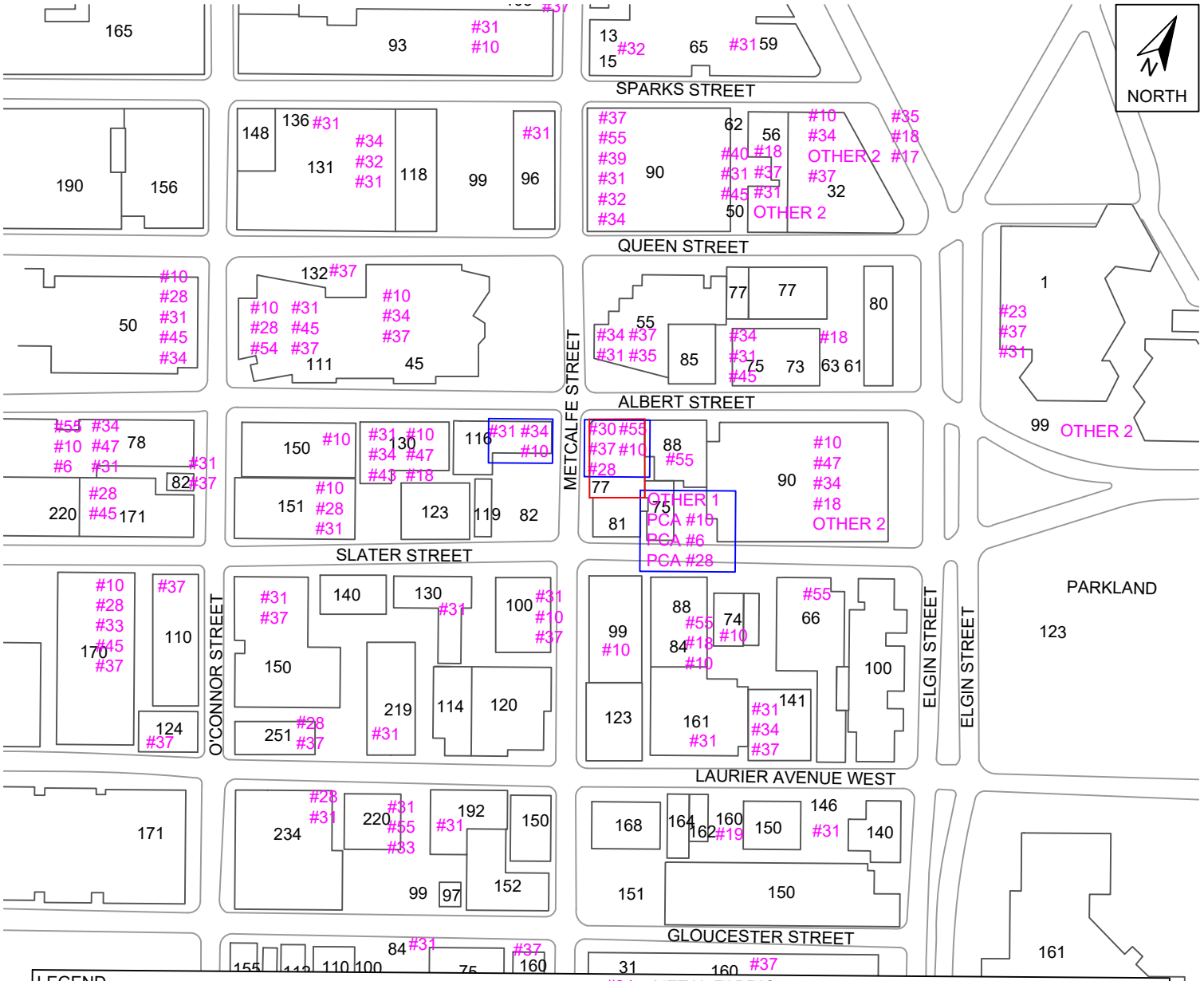
Steve Campbell, P.Geo.
Principal, Senior Geoscientist

Stephanie Lewis, B.A. Env.
Senior Project Manager

Appendix A:
Drawings



Scale: AS SHOWN Project No.: G2S25044B Date: JUNE 2025 Drawn by: DB File name: G2S25044.dwg	SITE LOCATION PLAN 77 METCALFE STREET OTTAWA ONTARIO	G2S	Drawing No. 1



LEGEND

APPROXIMATE SITE LIMITS
PCA CONTRIBUTING TO AN APEC

POTENTIALLY CONTAMINATING ACTIVITIES AS DEFINED IN O. REG. 153/04

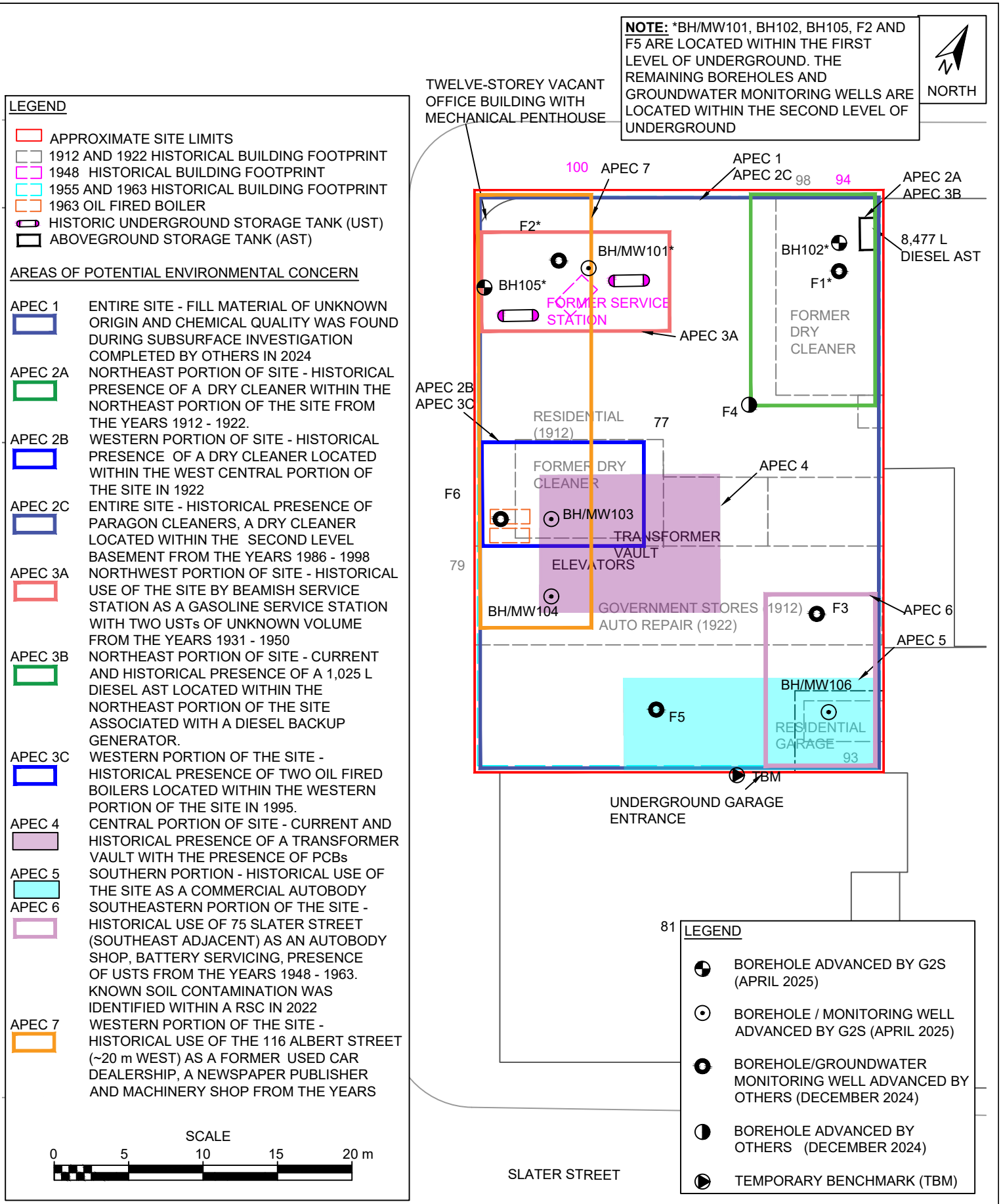
#6 BATTERY MANUFACTURING, RECYCLING AND BULK STORAGE
#10 COMMERCIAL AUTOBODY SHOP
#17 DYE MANUFACTURING, PROCESSING AND BULK STORAGE
#18 ELECTRICITY GENERATION, TRANSFORMATION AND POWER STATIONS
#19 ELECTRONIC AND COMPUTER EQUIPMENT MANUFACTURING
#23 FIRE RETARDANT MANUFACTURING, PROCESSING AND BULK STORAGE
#28 GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS
#30 IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY
#31 INK MANUFACTURING, PROCESSING AND BULK STORAGE
#32 IRON AND STEEL MANUFACTURING AND PROCESSING
#33 METAL TREATMENT, COATING, PLATING AND FINISHING
#34 METAL FABRICATION
#35 MINING, SMELTING AND REFINING; ORE PROCESSING; TAILINGS STORAGE
#37 OPERATION OF DRY CLEANING EQUIPMENT (WHERE CHEMICALS ARE USED)
#39 PAINTS MANUFACTURING, PROCESSING AND BULK STORAGE
#40 PESTICIDES (INCLUDING HERBICIDES, FUNGICIDES AND ANTI-FOULING AGENTS) MANUFACTURING, PROCESSING , BULK STORAGE AND LARGE-SCALE APPLICATIONS
#43 PLASTICS (INCLUDING FIBREGLASS) MANUFACTURING AND PROCESSING
#45 PULP, PAPER AND PAPERBOARD MANUFACTURING AND PROCESSING
#47 RUBBER MANUFACTURING AND PROCESSING
#54 TEXTILE MANUFACTURING AND PROCESSING
#55 TRANSFORMER MANUFACTURING, PROCESSING AND USE
PCA OTHER 1 KNOWN CONTAMINATION
PCA OTHER 2 COAL STORAGE

SCALE
0 20 40 60 80 100 m

Scale:	AS SHOWN
Project No.:	G2S25044B
Date:	JUNE 2025
Drawn by:	DB
File name:	G2S25044.dwg

POTENTIALLY CONTAMINATING ACTIVITIES
77 METCALFE STREET
OTTAWA ONTARIO

Drawing No. 2



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Project No.:	G2S25044B
Date:	JUNE 2025
Drawn by:	DB
File name:	G2S25044.dwg

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN
77 METCALFE STREET
OTTAWA ONTARIO

Drawing No. 3

ALBERT STREET

TWELVE-STOREY VACANT
OFFICE BUILDING WITH
MECHANICAL PENTHOUSE

METCALFE STREET

BH/MW101*
66.3
63.63

F2*
66.3
63.73

BH105*
66.3

BH102*
66.3

F1*
66.3

F4
63.1

88

77

F6
63.1
60.96

BH/MW103
63.1
60.93

61.0

BH/MW104
63.1
61.11

61.25

F3
63.1
60.75

60.75

61.50

F5
63.1
61.60

BH/MW106
63.1
60.78

TBM

GARBAGE/RECYCLING
ROOM

UNDERGROUND GARAGE
ENTRANCE

75

LEGEND

- APPROXIMATE SITE LIMITS
- BOREHOLE ADVANCED BY G2S (APRIL 2025)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2025)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (DECEMBER 2024)
- BOREHOLE ADVANCED BY OTHERS (DECEMBER 2024)
- TEMPORARY BENCHMARK (TBM)
- 88.88 GROUND SURFACE ELEVATION (m)
- 88.88 MEASURED GROUNDWATER ELEVATION (m) (JUNE 9, 2025)
- INFERRED GROUNDWATER FLOW DIRECTION

NOTE:

F1, F2 AND BH/MW101 HAVE BEEN EXCLUDED FROM THE GROUNDWATER CONTOURS

F1 WAS INACCESSIBLE ON SAMPLING EVENT ON JUNE 9, 2025

* BH/MW101, BH102, BH105, F2 AND F5 ARE LOCATED WITHIN THE FIRST LEVEL OF UNDERGROUND. THE REMAINING BOREHOLES AND GROUNDWATER MONITORING WELLS ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND

REFERENCE:

DRAWING REPRODUCED USING CITY OF OTTAWA GIS IMAGERY

TITLE:
GROUNDWATER CONTOUR PLAN -
APRIL 10, 2025

CLIENT:
CLIENT

LOCATION:
77 METCALFE ST
OTTAWA, ONTARIO

PROJECT NO.: G2S25044

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DATE:	JUNE 2025
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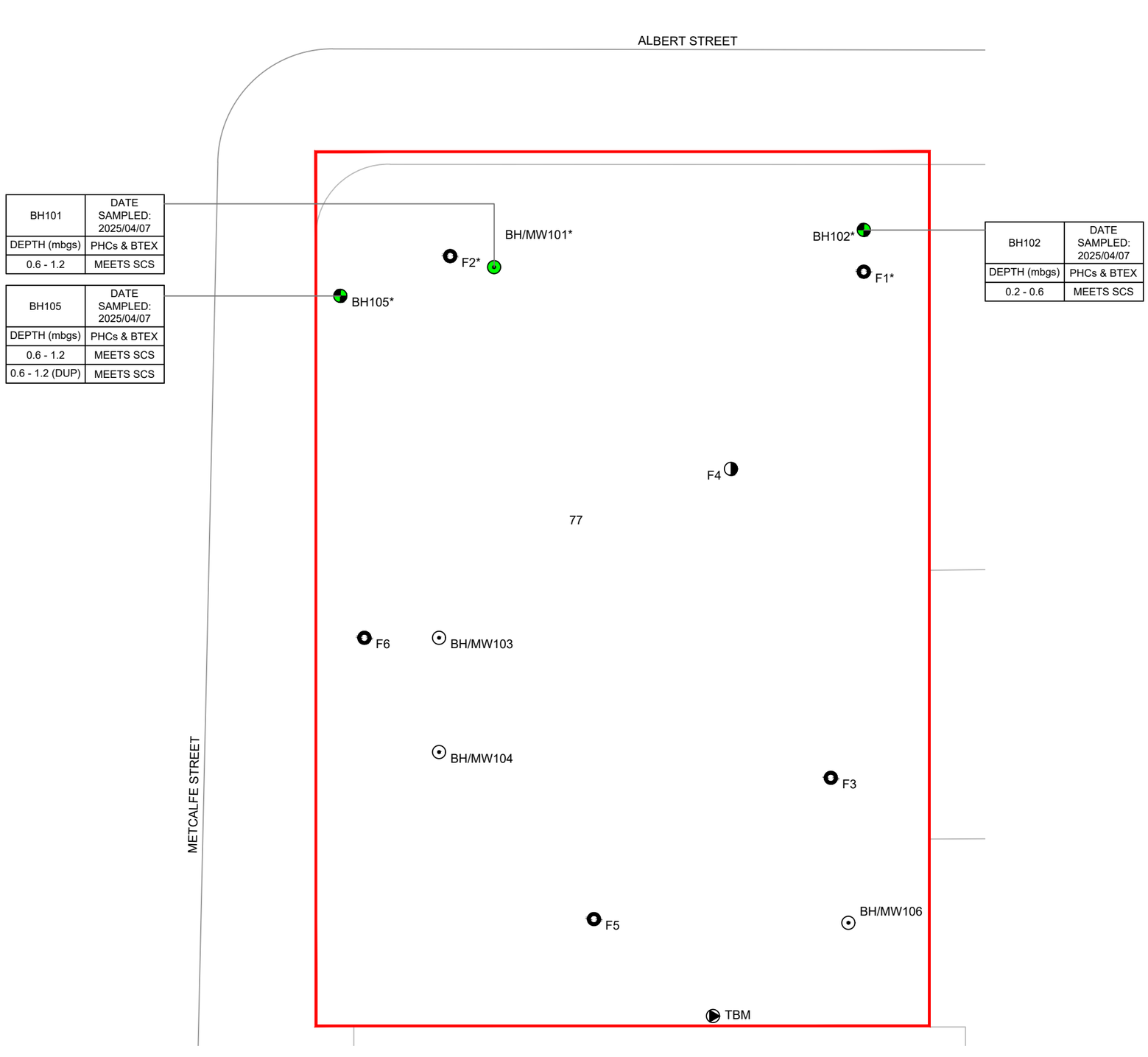

LEGEND

	APPROXIMATE SITE LIMITS
	BOREHOLE ADVANCED BY G2S (APRIL 2025)
	BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2025)
	BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (DECEMBER 2024)
	BOREHOLE ADVANCED BY OTHERS (DECEMBER 2024)
	TEMPORARY BENCHMARK (TBM)
	SAMPLE MEETS MECP TABLE 3 SCS
SCS	SITE CONDITION STANDARDS
PHCs	PETROLEUM HYDROCARBONS F1 TO F4
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES

NOTE:

* BH/MW101, BH102, BH105, F2 AND F5 ARE LOCATED WITHIN THE FIRST LEVEL OF UNDERGROUND. THE REMAINING BOREHOLES AND GROUNDWATER MONITORING WELLS ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND

IT IS NOTED BOREHOLES BH103, BH104 AND BH106 ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND BASEMENT, GIVEN THAT THE STRUCTURE WAS CONSTRUCTED ON TOP OF SHALE, NO SOIL WAS ENCOUNTERED IN THESE BOREHOLES.

REFERENCE:

DRAWING REPRODUCED USING CITY OF OTTAWA GIS IMAGERY

TITLE:

SOIL ANALYTICAL RESULTS -

PHC F1 TO F4 & BTEX

CLIENT:

GROUPE MACH INC.

LOCATION:

77 METCALFE ST

OTTAWA, ONTARIO

PROJECT NO.: G2S25044B

DRAWING:	5A
SCALE:	AS SHOWN
DATE:	JUNE 2025
DRAWN BY:	DB
FILE NAME:	G2S25044P2RSC.dwg

LEGEND

	APPROXIMATE SITE LIMITS
	BOREHOLE ADVANCED BY G2S (APRIL 2025)
	BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2025)
	BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (DECEMBER 2024)
	BOREHOLE ADVANCED BY OTHERS (DECEMBER 2024)
	TEMPORARY BENCHMARK (TBM)
	SAMPLE MEETS MECP TABLE 3 SCS
SCS	SITE CONDITION STANDARDS
VOCs	VOLATILE ORGANIC COMPOUNDS

NOTE:

* BH/MW101, BH102, BH105, F2 AND F5 ARE LOCATED WITHIN THE FIRST LEVEL OF UNDERGROUND. THE REMAINING BOREHOLES AND GROUNDWATER MONITORING WELLS ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND

IT IS NOTED BOREHOLES BH103, BH104 AND BH106 ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND BASEMENT, GIVEN THAT THE STRUCTURE WAS CONSTRUCTED ON TOP OF SHALE, NO SOIL WAS ENCOUNTERED IN THESE BOREHOLES.

REFERENCE:

DRAWING REPRODUCED USING CITY OF OTTAWA GIS IMAGERY

TITLE:

SOIL ANALYTICAL RESULTS -

VOCs

CLIENT:

GROUPE MACH INC.

LOCATION:

77 METCALFE ST

OTTAWA, ONTARIO

PROJECT NO.: G2S25044B

DRAWING:	5B
SCALE:	AS SHOWN
DATE:	JUNE 2025
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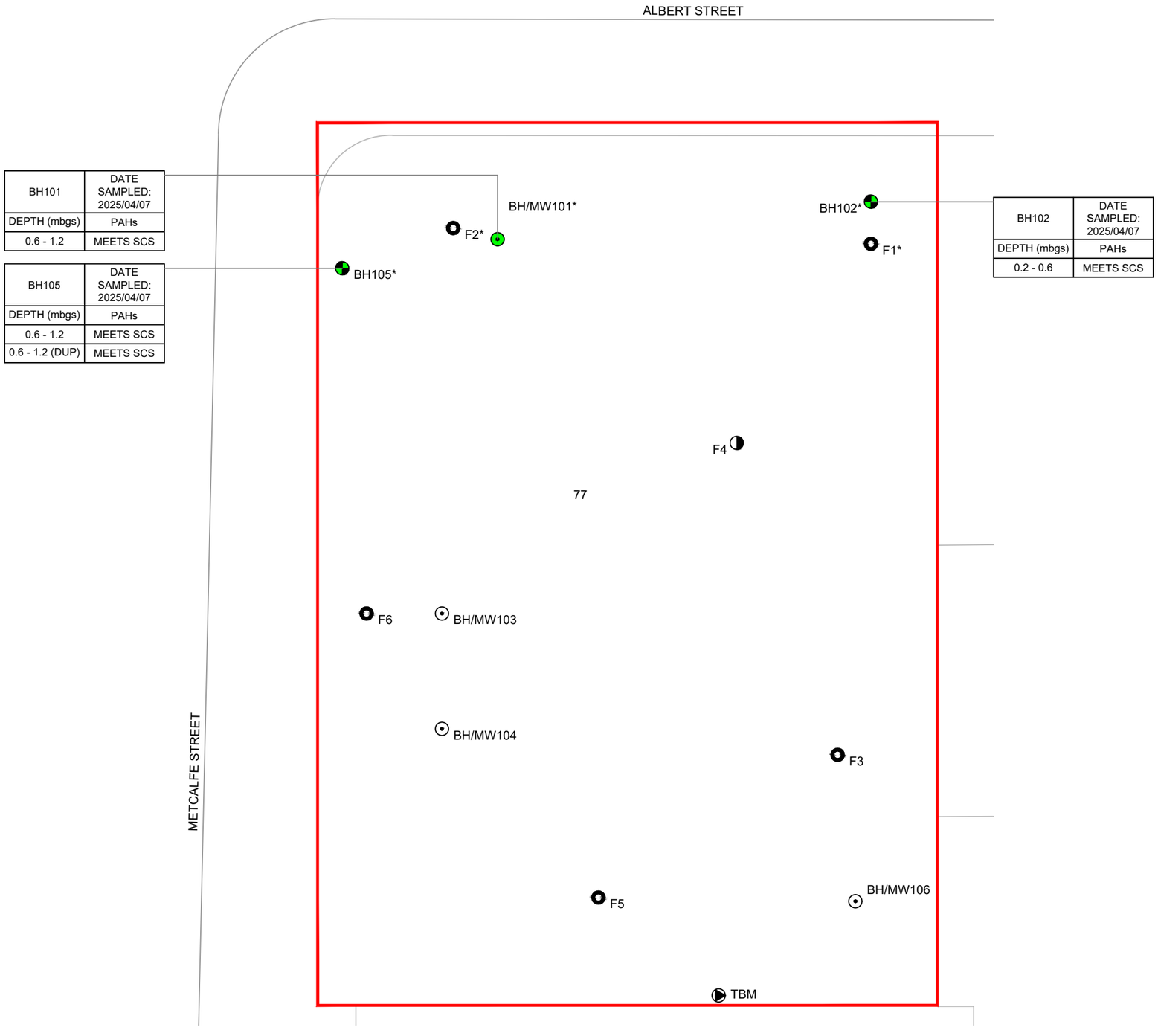

BH101	DATE SAMPLED: 2025/04/07
DEPTH (mbgs)	PAHs
0.6 - 1.2	MEETS SCS

BH105	DATE SAMPLED: 2025/04/07
DEPTH (mbgs)	PAHs
0.6 - 1.2	MEETS SCS
0.6 - 1.2 (DUP)	MEETS SCS

BH102	DATE SAMPLED: 2025/04/07
DEPTH (mbgs)	PAHs
0.2 - 0.6	MEETS SCS

LEGEND

- APPROXIMATE SITE LIMITS
- BOREHOLE ADVANCED BY G2S (APRIL 2025)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2025)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (DECEMBER 2024)
- BOREHOLE ADVANCED BY OTHERS (DECEMBER 2024)
- TEMPORARY BENCHMARK (TBM)
- SAMPLE MEETS MECP TABLE 3 SCS

SCS — SITE CONDITION STANDARDS

PAHs — POLYCYCLIC AROMATIC HYDROCARBONS

NOTE:

* BH/MW101, BH102, BH105, F2 AND F5 ARE LOCATED WITHIN THE FIRST LEVEL OF UNDERGROUND. THE REMAINING BOREHOLES AND GROUNDWATER MONITORING WELLS ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND

IT IS NOTED BOREHOLES BH103, BH104 AND BH106 ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND BASEMENT, GIVEN THAT THE STRUCTURE WAS CONSTRUCTED ON TOP OF SHALE, NO SOIL WAS ENCOUNTERED IN THESE BOREHOLES.

REFERENCE:

DRAWING REPRODUCED USING CITY OF OTTAWA GIS IMAGERY

TITLE:

SOIL ANALYTICAL RESULTS -

PAHs

CLIENT:

GROUPE MACH INC.

LOCATION:

77 METCALFE ST

OTTAWA, ONTARIO

PROJECT NO.: G2S25044B

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SCALE:	AS SHOWN
DATE:	JUNE 2025
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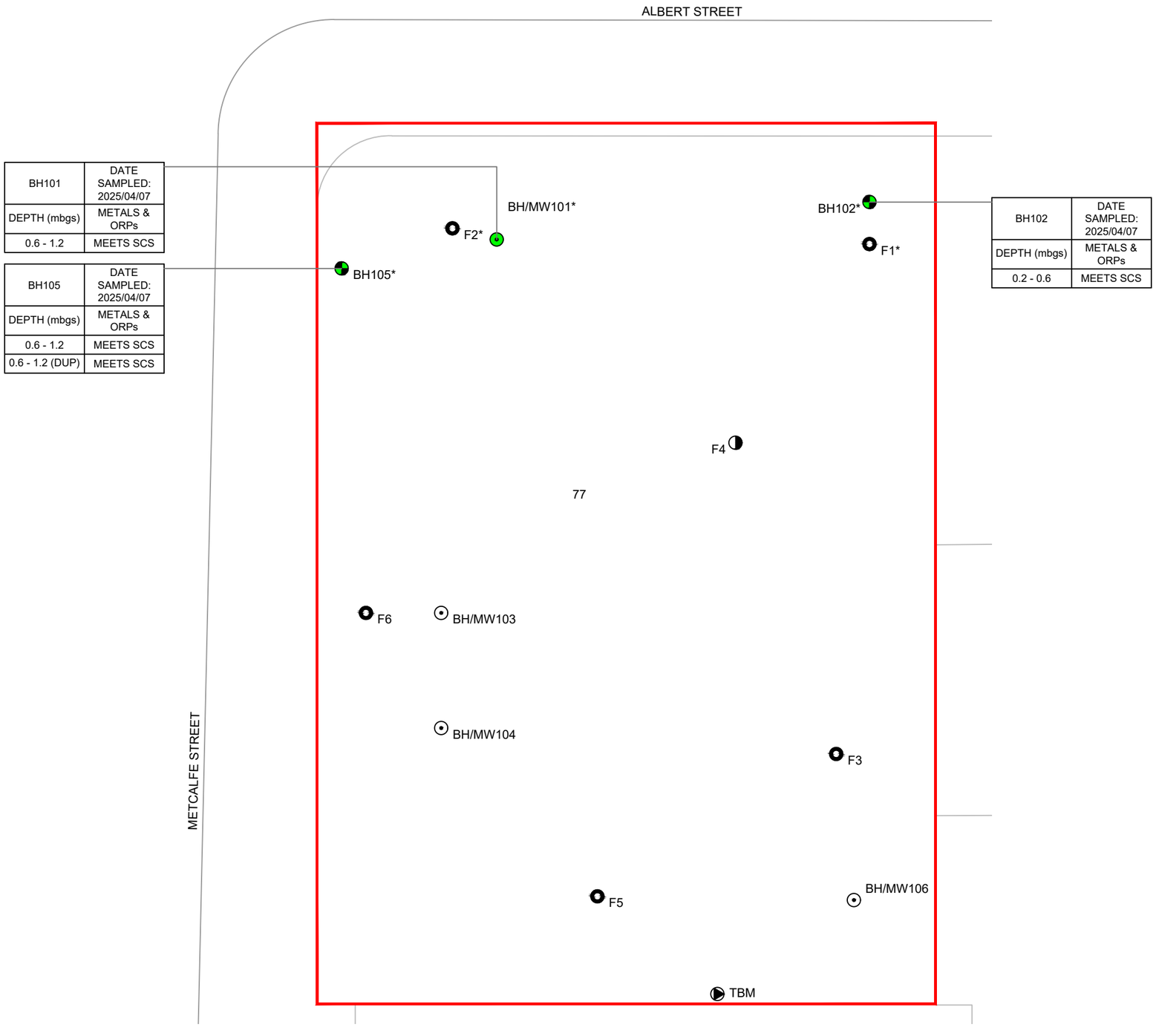

LEGEND

- APPROXIMATE SITE LIMITS
- BOREHOLE ADVANCED BY G2S (APRIL 2025)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2025)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (DECEMBER 2024)
- BOREHOLE ADVANCED BY OTHERS (DECEMBER 2024)
- TEMPORARY BENCHMARK (TBM)
- SAMPLE MEETS MECP TABLE 3 SCS

SCS SITE CONDITION STANDARDS

**ORPs OTHER REGULATED PARAMETERS

NOTE:

*BH/MW101, BH102, BH105, F2 AND F5 ARE LOCATED WITHIN THE FIRST LEVEL OF UNDERGROUND. THE REMAINING BOREHOLES AND GROUNDWATER MONITORING WELLS ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND

IT IS NOTED BOREHOLES BH103, BH104 AND BH106 ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND BASEMENT, GIVEN THAT THE STRUCTURE WAS CONSTRUCTED ON TOP OF SHALE, NO SOIL WAS ENCOUNTERED IN THESE BOREHOLES.

**ORPs INCLUDES B(HWS), CN^-, CrVI, Hg & pH

REFERENCE:

DRAWING REPRODUCED USING CITY OF OTTAWA GIS IMAGERY

TITLE:

SOIL ANALYTICAL RESULTS -

METALS & ORPs

CLIENT:

GROUPE MACH INC.

LOCATION:

77 METCALFE ST

OTTAWA, ONTARIO

PROJECT NO.: G2S25044B

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SCALE:	AS SHOWN
DATE:	JUNE 2025
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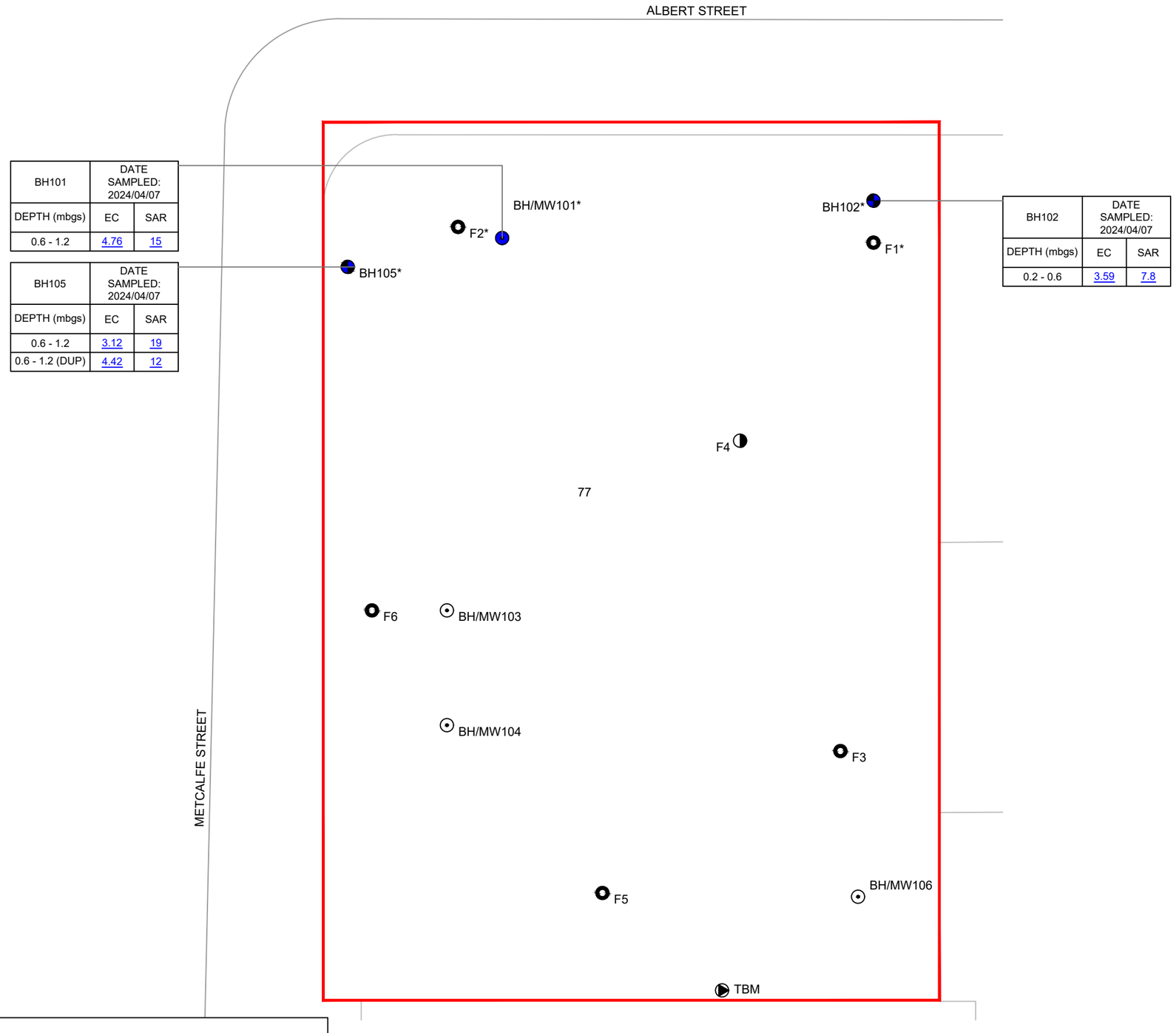

BH101	DATE SAMPLED: 2024/04/07	
DEPTH (mbgs)	EC	SAR
0.6 - 1.2	4.76	15

BH105	DATE SAMPLED: 2024/04/07	
DEPTH (mbgs)	EC	SAR
0.6 - 1.2	3.12	19
0.6 - 1.2 (DUP)	4.42	12

BH102	DATE SAMPLED: 2024/04/07	
DEPTH (mbgs)	EC	SAR
0.2 - 0.6	3.59	7.8

*NOTE:
UNDER ONTARIO REGULATION (O.REG.) 153/04, AS AMENDED, WHERE A SITE CONDITION STANDARD (SCS) IS EXCEEDED SOLELY BECAUSE A SUBSTANCE HAS BEEN APPLIED TO THE SURFACE FOR THE SAFETY OF VEHICULAR OR PEDESTRIAN TRAFFIC UNDER CONDITIONS OF SNOW OR ICE OR BOTH, THE APPLICABLE SCS IS DEEMED NOT THE BE EXCEEDED. REFERENCE IS MADE TO O.REG 153/04, AS AMENDED, s 49.1 FOR A FULL OUTLINE OF THE REGULATION REGARDING SOIL IMPACTED BY DE-ICING SALT.

LEGEND

- APPROXIMATE SITE LIMITS
- BOREHOLE ADVANCED BY G2S (APRIL 2025)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2025)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (DECEMBER 2024)
- BOREHOLE ADVANCED BY OTHERS (DECEMBER 2024)
- TEMPORARY BENCHMARK (TBM)
- SAMPLE EXEMPT SEE *NOTE

SCS SITE CONDITION STANDARDS
EC ELECTRICAL CONDUCTIVITY
SAR SODIUM ADSORPTION RATIO

NOTE:

* BH/MW101, BH102, BH105, F2 AND F5 ARE LOCATED WITHIN THE FIRST LEVEL OF UNDERGROUND. THE REMAINING BOREHOLES AND GROUNDWATER MONITORING WELLS ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND

IT IS NOTED BOREHOLES BH103, BH104 AND BH106 ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND BASEMENT, GIVEN THAT THE STRUCTURE WAS CONSTRUCTED ON TOP OF SHALE, NO SOIL WAS ENCOUNTERED IN THESE BOREHOLES.

REFERENCE:

DRAWING REPRODUCED USING CITY OF OTTAWA GIS IMAGERY

TITLE:

SOIL ANALYTICAL RESULTS -

EC & SAR

CLIENT:

GROUPE MACH INC.

LOCATION:

77 METCALFE ST

OTTAWA, ONTARIO

PROJECT NO.: G2S25044B

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SCALE:	AS SHOWN
DATE:	FEBRUARY 2024
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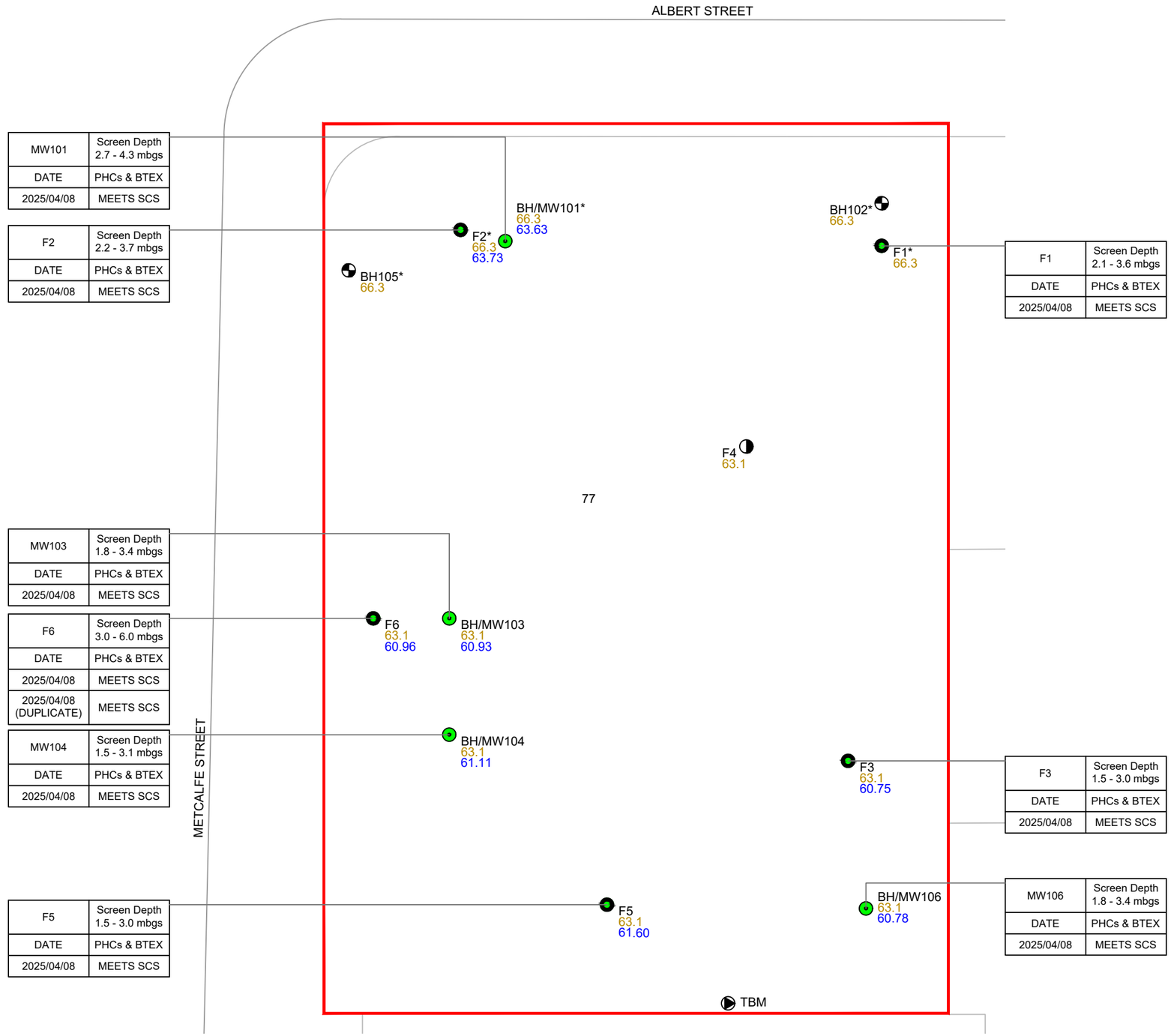

LEGEND

- APPROXIMATE SITE LIMITS
- BOREHOLE ADVANCED BY G2S (APRIL 2025)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2025)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (DECEMBER 2024)
- BOREHOLE ADVANCED BY OTHERS (DECEMBER 2024)
- TEMPORARY BENCHMARK (TBM)
- SAMPLE MEETS MECP TABLE 3 SCS
- SCS — SITE CONDITION STANDARDS
- PHCs — PETROLEUM HYDROCARBONS F1 TO F4
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
- 88.88 — GROUND SURFACE ELEVATION (m)
- 88.88 — MEASURED GROUNDWATER ELEVATION (m) (JUNE 9, 2025)

NOTE:

* BH/MW101, BH102, BH105, F2 AND F5 ARE LOCATED WITHIN THE FIRST LEVEL OF UNDERGROUND. THE REMAINING BOREHOLES AND GROUNDWATER MONITORING WELLS ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND

REFERENCE:

DRAWING REPRODUCED USING CITY OF OTTAWA GIS IMAGERY

TITLE:

GROUNDWATER ANALYTICAL RESULTS -

PHC F1 TO F4 & BTEX

CLIENT:

GROUPE MACH INC.

LOCATION:

77 METCALFE ST

OTTAWA, ONTARIO

PROJECT NO.: G2S25044B

DRAWING:	6A
SCALE:	AS SHOWN
DATE:	JUNE 2025
DRAWN BY:	DB
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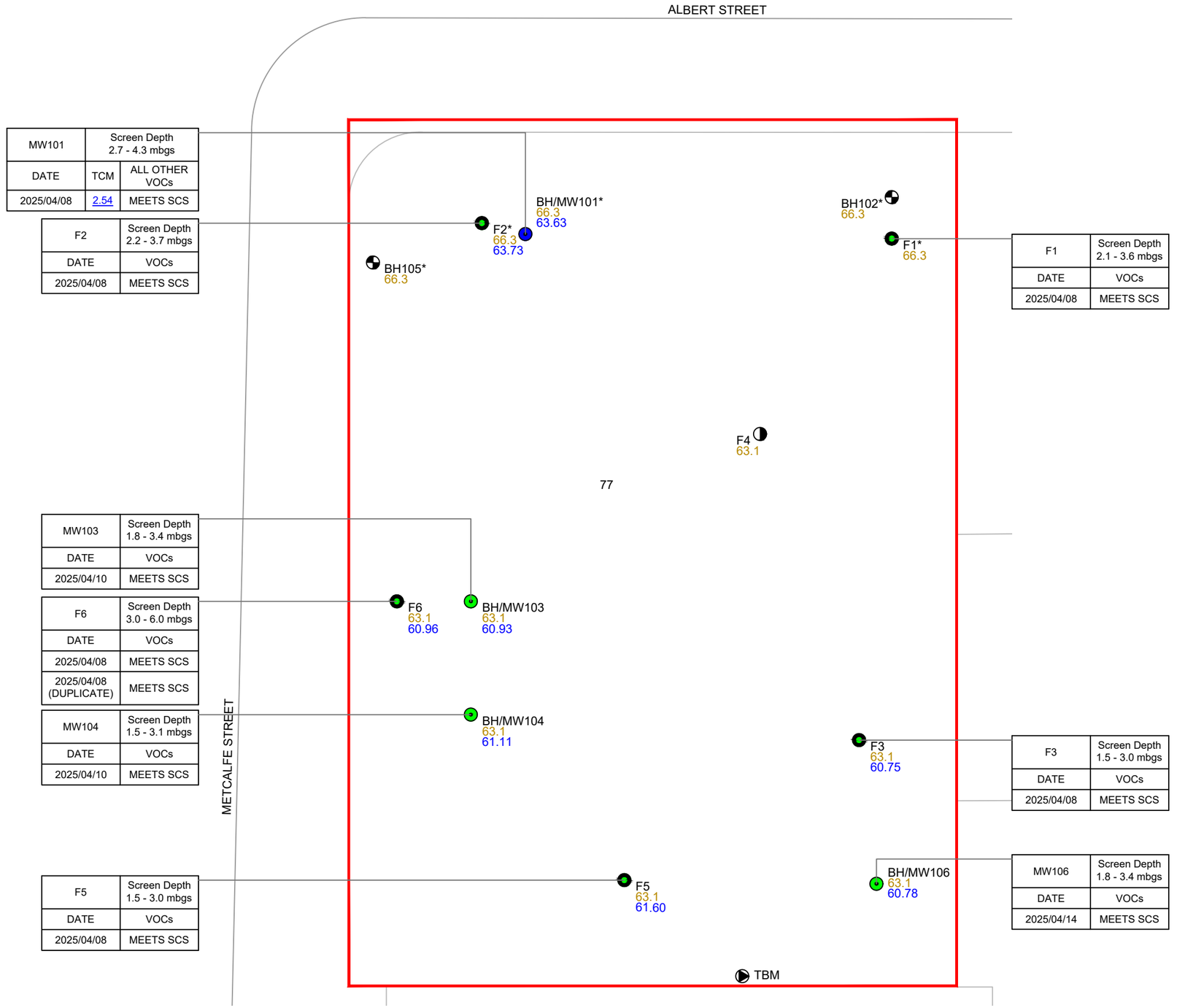

LEGEND

- APPROXIMATE SITE LIMITS
- BOREHOLE ADVANCED BY G2S (APRIL 2025)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2025)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (DECEMBER 2024)
- BOREHOLE ADVANCED BY OTHERS (DECEMBER 2024)
- TEMPORARY BENCHMARK (TBM)
- SAMPLE MEETS MECP TABLE 3 SCS
- SAMPLE EXEMPT SEE *NOTE
- SCS — SITE CONDITION STANDARDS
- VOCs — VOLATILE ORGANIC COMPOUNDS
- 88.88 — GROUND SURFACE ELEVATION (m)
- 88.88 — MEASURED GROUNDWATER ELEVATION (m) (JUNE 9, 2025)

NOTE:

* BH/MW101, BH102, BH105, F2 AND F5 ARE LOCATED WITHIN THE FIRST LEVEL OF UNDERGROUND. THE REMAINING BOREHOLES AND GROUNDWATER MONITORING WELLS ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND

REFERENCE:

DRAWING REPRODUCED USING CITY OF OTTAWA GIS IMAGERY

TITLE:

GROUNDWATER ANALYTICAL RESULTS - VOCs

CLIENT:

GROUPE MACH INC.

LOCATION:

77 METCALFE ST

OTTAWA, ONTARIO

PROJECT NO.: G2S25044B

DRAWING:	6B
SCALE:	AS SHOWN
DATE:	JUNE 2025
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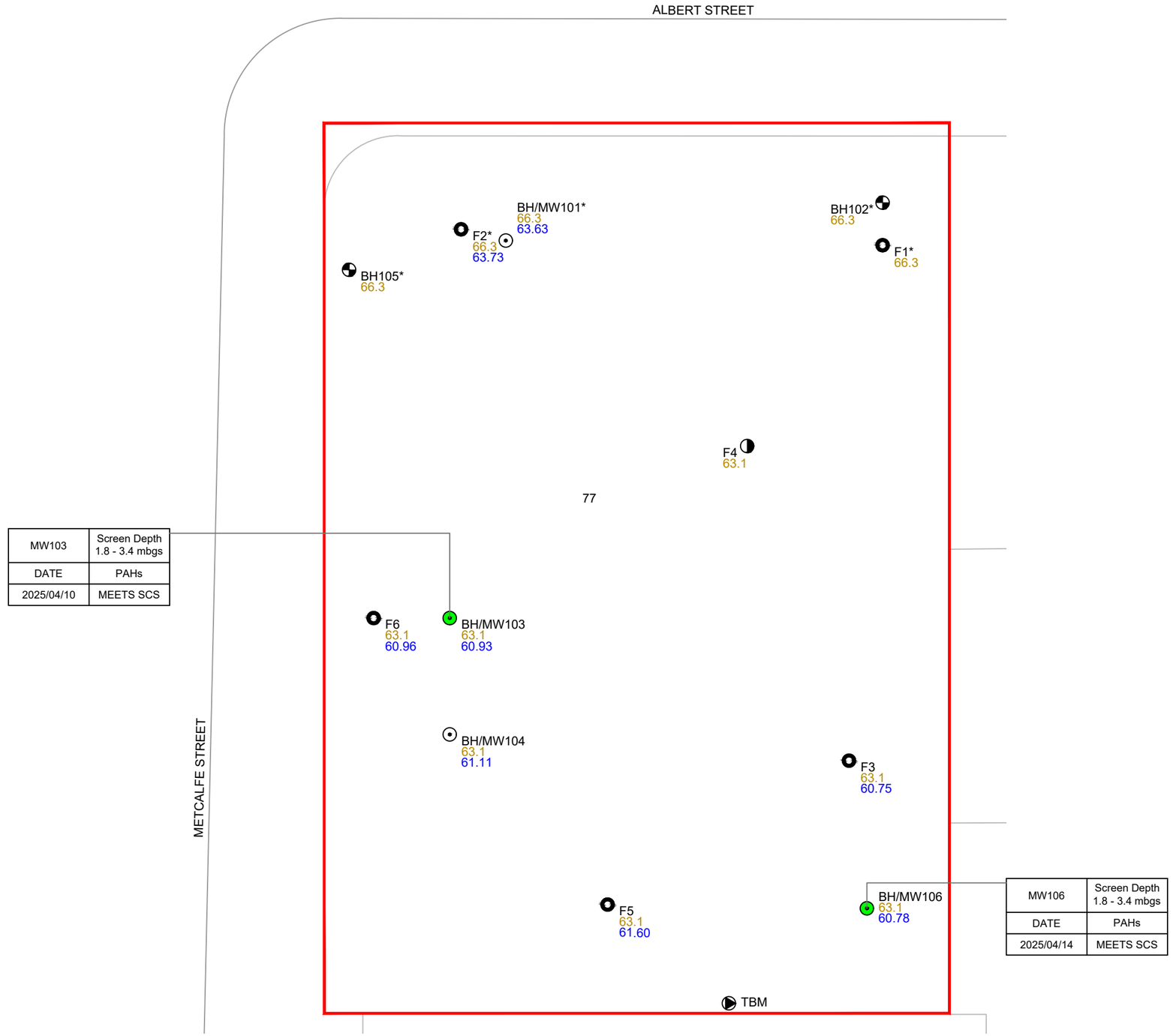

LEGEND

- APPROXIMATE SITE LIMITS
- BOREHOLE ADVANCED BY G2S (APRIL 2025)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2025)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (DECEMBER 2024)
- BOREHOLE ADVANCED BY OTHERS (DECEMBER 2024)
- TEMPORARY BENCHMARK (TBM)
- SAMPLE MEETS MECP TABLE 3 SCS
- SCS — SITE CONDITION STANDARDS
- PAHs — POLYCYCLIC AROMATIC HYDROCARBONS
- 88.88 — GROUND SURFACE ELEVATION (m)
- 88.88 — MEASURED GROUNDWATER ELEVATION (m) (JUNE 9, 2025)

NOTE:

* BH/MW101, BH102, BH105, F2 AND F5 ARE LOCATED WITHIN THE FIRST LEVEL OF UNDERGROUND. THE REMAINING BOREHOLES AND GROUNDWATER MONITORING WELLS ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND

REFERENCE:

DRAWING REPRODUCED USING CITY OF OTTAWA GIS IMAGERY

TITLE:

GROUNDWATER ANALYTICAL RESULTS - PAHs

CLIENT:

GROUPE MACH INC.

LOCATION:

77 METCALFE ST

OTTAWA, ONTARIO

PROJECT NO.: G2S25044B

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SCALE:	AS SHOWN
DATE:	JUNE 2025
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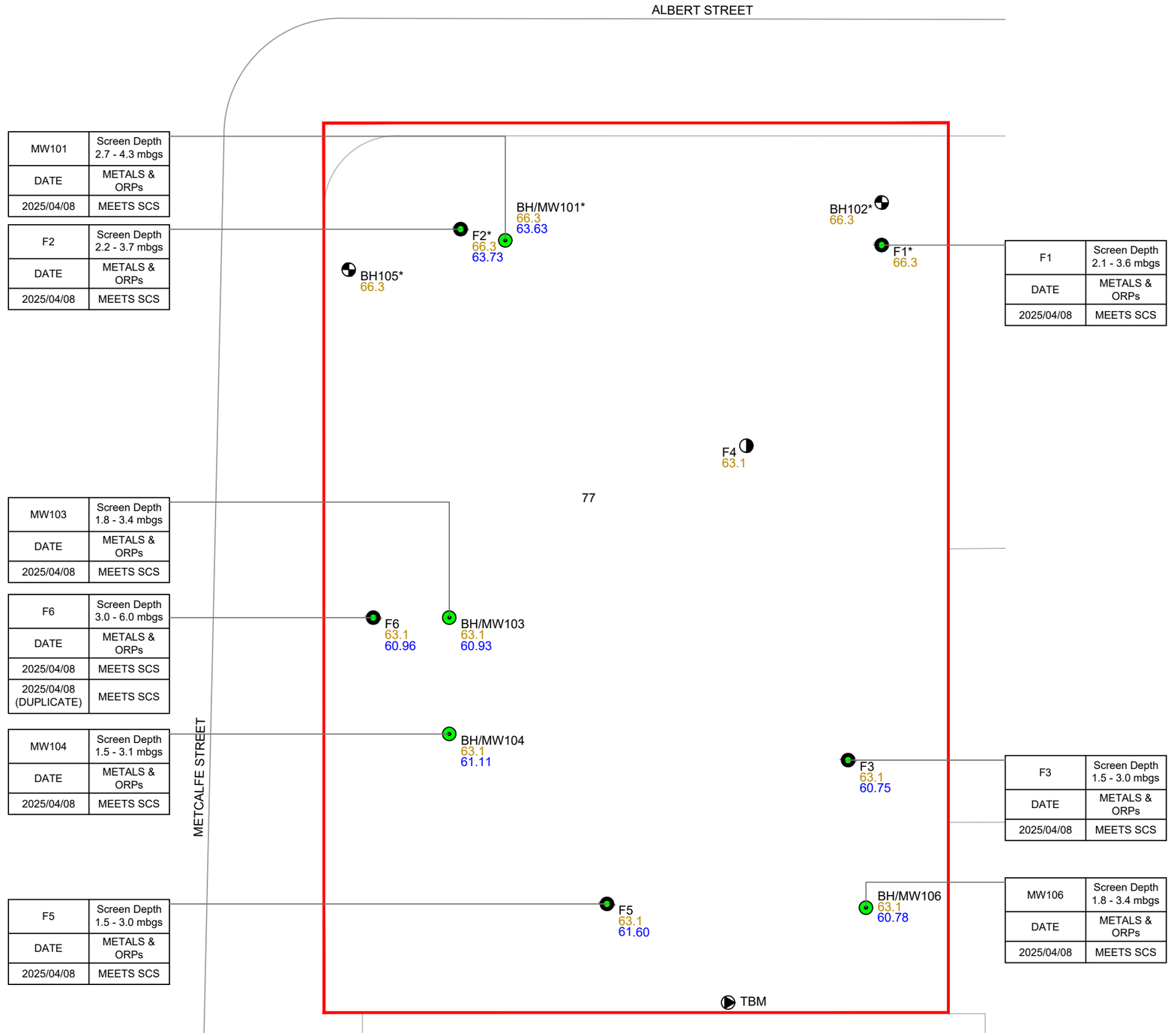


LEGEND

- APPROXIMATE SITE LIMITS
- BOREHOLE ADVANCED BY G2S (APRIL 2025)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2025)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (DECEMBER 2024)
- BOREHOLE ADVANCED BY OTHERS (DECEMBER 2024)
- TEMPORARY BENCHMARK (TBM)
- SAMPLE MEETS MECP TABLE 3 SCS
- SCS — SITE CONDITION STANDARDS
- *ORPs — OTHER REGULATED PARAMETERS
- 88.88 — GROUND SURFACE ELEVATION (m)
- 88.88 — MEASURED GROUNDWATER ELEVATION (m) (JUNE 9, 2025)

NOTE:
*ORPs INCLUDES B(HWS), CN⁻, CrVI, Hg & pH

REFERENCE:
DRAWING REPRODUCED USING CITY OF OTTAWA GIS IMAGERY

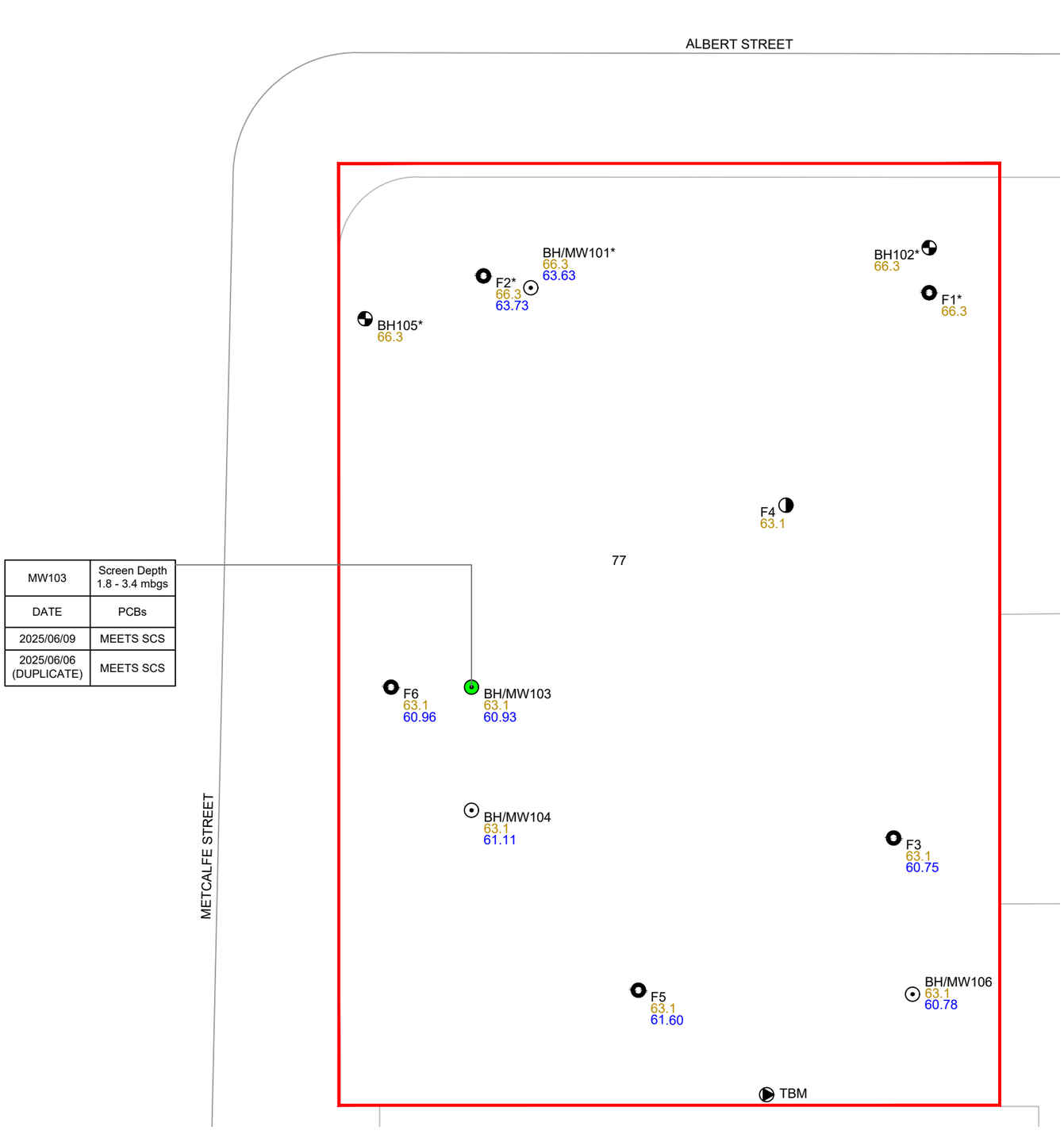
TITLE:
GROUNDWATER ANALYTICAL RESULTS - METALS & ORPs

CLIENT:
GROUPE MACH INC.

LOCATION:
77 METCALFE ST
OTTAWA, ONTARIO

PROJECT NO.: G2S25044B

DRAWING:	6D
SCALE:	AS SHOWN
DATE:	JUNE 2025
DRAWN BY:	DB
FILE NAME:	G2S25044P2RSC.dwg



MW103	Screen Depth 1.8 - 3.4 mbgs
DATE	PCBs
2025/06/09	MEETS SCS
2025/06/06 (DUPLICATE)	MEETS SCS

LEGEND

- APPROXIMATE SITE LIMITS
- BOREHOLE ADVANCED BY G2S (APRIL 2025)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2025)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (DECEMBER 2024)
- BOREHOLE ADVANCED BY OTHERS (DECEMBER 2024)
- TEMPORARY BENCHMARK (TBM)
- SAMPLE MEETS MECP TABLE 3 SCS
- SCS — SITE CONDITION STANDARDS
- PCB — POLYCHLORINATED BIPHENYLS
- 88.88 — GROUND SURFACE ELEVATION (m)
- 88.88 — MEASURED GROUNDWATER ELEVATION (m) (JUNE 9, 2025)

NOTE:

* BH/MW101, BH102, BH105, F2 AND F5 ARE LOCATED WITHIN THE FIRST LEVEL OF UNDERGROUND. THE REMAINING BOREHOLES AND GROUNDWATER MONITORING WELLS ARE LOCATED WITHIN THE SECOND LEVEL OF UNDERGROUND

REFERENCE:

DRAWING REPRODUCED USING CITY OF OTTAWA GIS IMAGERY

TITLE:

GROUNDWATER ANALYTICAL RESULTS - PCBs

CLIENT:

GROUPE MACH INC.

LOCATION:

77 METCALFE ST

OTTAWA, ONTARIO

PROJECT NO.: G2S25044B

DRAWING:	6E
SCALE:	AS SHOWN
DATE:	JUNE 2025
DRAWN BY:	DB
FILE NAME:	G2S25044P2RSC.dwg

Appendix B:
Borehole Logs

BH/MW NUMBER 101

Consulting Inc.

CLIENT Groupe Mach Inc. **PROJECT NAME** Phase Two ESA & RSC

PROJECT NUMBER G2S25044 **PROJECT LOCATION** 77 Metcalfe St, Ottawa, ON

DATE STARTED 25-4-7 **COMPLETED** 25-4-7 **GROUND ELEVATION** 63.30 m

DRILLING CONTRACTOR OGS Inc. **LOGGED BY** DB **CHECKED BY** SC/GB

DRILLING METHOD Pionjar / Hilti Core Drill; NQ Diamond Core **NOTES**

DEPTH (m)	MATERIAL DESCRIPTION	ELEVATION (m)	GRAPHIC LOG	NUMBER	TYPE	SOIL GAS READINGS HEX/IBL (ppm)	WELL DIAGRAM
0.2	CONCRETE: ~190 mm	63.11					Flushmount protective casing set in concrete
0.6	FILL: Gravelly sand, grey and brown, some silt (granular)	62.69		S1	SS	0/0	
1	becoming silty sand, grey, some gravel, trace clay, wet			S2	SS	0/0	Bentonite seal
1.2	Sampler refusal on bedrock, switch to NQ diamond coring for monitoring well installation	62.06					Filter sand 2.74
2							
3							Slotted screen
4							
4.4	Borehole terminated at 4.4 m.	58.88					4.27

Water Level Readings:

Date	Depth (m)	Elev. (m)
2025-04-08	2.50	60.80
2025-06-09	2.67	60.63

BOREHOLE NUMBER 102

Consulting Inc.

CLIENT Groupe Mach Inc. **PROJECT NAME** Phase Two ESA & RSC

PROJECT NUMBER G2S25044 **PROJECT LOCATION** 77 Metcalfe St, Ottawa, ON

DATE STARTED 25-4-7 **COMPLETED** 25-4-7 **GROUND ELEVATION** 63.30 m

DRILLING CONTRACTOR OGS Inc. **LOGGED BY** DB **CHECKED BY** SC/GB

DRILLING METHOD Pionjar **NOTES**

DEPTH (m)	MATERIAL DESCRIPTION	ELEVATION (m)	GRAPHIC LOG	NUMBER	TYPE	SOIL GAS READINGS HEX/IBL (ppm)	WELL DIAGRAM
0.2	CONCRETE: ~200 mm	63.10					
	FILL: Silty sand, sandy silt, grey, trace to some gravel, wet			S1A	SS	0/0	
				S1B		0/0	
1				S2	SS	0/0	
1.3		62.03					

No further progress due to sampler refusal on probable bedrock
Borehole terminated at 1.3 m.

BH/MW NUMBER 103

CLIENT Groupe Mach Inc. **PROJECT NAME** Phase Two ESA & RSC

PROJECT NUMBER G2S25044 **PROJECT LOCATION** 77 Metcalfe St, Ottawa, ON

DATE STARTED 25-4-7 **COMPLETED** 25-4-7 **GROUND ELEVATION** 63.10 m

DRILLING CONTRACTOR OGS Inc. **LOGGED BY** DB **CHECKED BY** SC/GB

DRILLING METHOD Pionjar / Hilti Core Drill; NQ Diamond Core **NOTES**

DEPTH (m)	MATERIAL DESCRIPTION	ELEVATION (m)	GRAPHIC LOG	NUMBER	TYPE	SOIL GAS READINGS HEX/IBL (ppm)	WELL DIAGRAM
0.1	LINOLEUM TILE OVER CONCRETE: ~125 mm	62.98					Flushmount protective casing set in concrete
	FILL: Crushed gravel, dark grey (possible crushed bedrock)						
1.1		62.03					Bentonite seal
	Sampler refusal on bedrock, switch to NQ diamond coring for monitoring well installation						Filter sand 1.83
							Slotted screen
3.4		59.67					3.35

Borehole terminated at 3.4 m.

Water Level Readings:

Date	Depth (m)	Elev. (m)
2025-04-09	2.46	60.64
2025-06-09	2.17	60.93

BH/MW NUMBER 104

CLIENT Groupe Mach Inc.
PROJECT NAME Phase Two ESA & RSC
PROJECT NUMBER G2S25044
PROJECT LOCATION 77 Metcalfe St, Ottawa, ON
DATE STARTED 25-4-7 **COMPLETED** 25-4-7
GROUND ELEVATION 63.10 m
DRILLING CONTRACTOR OGS Inc.
LOGGED BY DB **CHECKED BY** SC/GB
DRILLING METHOD Pionjar / Hilti Core Drill; NQ Diamond Core
NOTES

DEPTH (m)	MATERIAL DESCRIPTION	ELEVATION (m)	GRAPHIC LOG	NUMBER	TYPE	SOIL GAS READINGS HEX/IBL (ppm)	WELL DIAGRAM
0.1	CARPET TILE OVER CONCRETE: ~125 mm	62.98					Flushmount protective casing set in concrete
0.3	FILL: Crushed gravel, dark grey (possible crushed bedrock)	62.80					
	Sampler refusal on bedrock, switch to NQ diamond coring for monitoring well installation						Bentonite seal
1							
							Filter sand 1.52
2							
							Slotted screen
3							
3.1		60.05					3.05

Borehole terminated at 3.1 m.

Water Level Readings:

Date	Depth (m)	Elev. (m)
2025-04-10	2.05	61.05
2025-06-09	1.99	61.11

BOREHOLE NUMBER 105

CLIENT Groupe Mach Inc. **PROJECT NAME** Phase Two ESA & RSC

PROJECT NUMBER G2S25044 **PROJECT LOCATION** 77 Metcalfe St, Ottawa, ON

DATE STARTED 25-4-7 **COMPLETED** 25-4-7 **GROUND ELEVATION** 66.30 m

DRILLING CONTRACTOR OGS Inc. **LOGGED BY** DB **CHECKED BY** SC/GB

DRILLING METHOD Pionjar **NOTES**

DEPTH (m)	MATERIAL DESCRIPTION	ELEVATION (m)	GRAPHIC LOG	NUMBER	TYPE	SOIL GAS READINGS HEX/IBL (ppm)	WELL DIAGRAM
	0.2 CONCRETE: ~190 mm	66.11					
	0.3 FILL: Gravelly sand, dark grey, some silt	65.96		S1A	SS	0/0	
				S1B		0/0	
	0.6 becoming sand, brown, some gravel, trace to some silt	65.69					
1	becoming silty sand, grey, trace gravel			S2	SS	0/0	
	1.2	65.08					

No further pgoress due to sampler refusal on probable bedrock
Borehole terminated at 1.2 m.

BH/MW NUMBER 106

CLIENT Groupe Mach Inc. **PROJECT NAME** Phase Two ESA & RSC

PROJECT NUMBER G2S25044 **PROJECT LOCATION** 77 Metcalfe St, Ottawa, ON

DATE STARTED 25-4-7 **COMPLETED** 25-4-7 **GROUND ELEVATION** 63.10 m

DRILLING CONTRACTOR OGS Inc. **LOGGED BY** DB **CHECKED BY** SC/GB

DRILLING METHOD Pionjar / Hilti Core Drill; NQ Diamond Core **NOTES**

DEPTH (m)	MATERIAL DESCRIPTION	ELEVATION (m)	GRAPHIC LOG	NUMBER	TYPE	SOIL GAS READINGS HEX/IBL (ppm)	WELL DIAGRAM
0.1	CONCRETE: ~115 mm	62.99					Flushmount protective casing set in concrete
0.5	FILL: Crushed gravel, dark grey (possible crushed bedrock)	62.64					
	Sampler refusal on bedrock, switch to NQ diamond coring for monitoring well installation						Bentonite seal
							Filter sand
							1.83
							Slotted screen
3.5		59.59					3.35

Borehole terminated at 3.5 m.

Water Level Readings:

Date	Depth (m)	Elev. (m)
2025-04-14	1.52	61.58
2025-06-09	2.32	60.78

Appendix C:
Analytical Results Tables

Table 1: Soil Quality Results
Petroleum Hydrocarbons (F1 - F4) and BTEX

Parameter	Unit	*Table 3 RPI SCS Coarse	Sample Identification			
			BH101 S2	BH102 S1B	BH105 S2	BH110 S2 (Duplicate of BH105 S2)
Date Sampled			**7-Apr-25**	**7-Apr-25**	**7-Apr-25**	**7-Apr-25**
Depth	**m bgs**		**0.6 - 1.2**	**0.2 - 0.6**	**0.6 - 1.2**	**0.6 - 1.2**
Benzene	µg/g	0.21	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	µg/g	2	<0.05	<0.05	<0.05	<0.05
Toluene	µg/g	2.3	<0.05	<0.05	<0.05	<0.05
Xylenes	µg/g	3.1	<0.05	<0.05	<0.05	<0.05
Petroleum Hydrocarbons F1	µg/g	55	<5	<5	<5	<5
Petroleum Hydrocarbons F2	µg/g	98	<10	<10	<10	<10
Petroleum Hydrocarbons F3	µg/g	300	<50	<50	<50	<50
Petroleum Hydrocarbons F4	µg/g	2800	<50	<50	<50	<50

*Ministry of the Environment, Conservation, and Parks Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, dated April 2011.

BH101, BH102 and BH105 are located within the first level of underground parking.

SCS - Site Condition Standards

RPI - Residential/Parkland/Institutional

Table 2: Soil Quality Results
Volatile Organic Compounds (VOCs)

Parameter	Unit	*Table 3 RPI SCS - Coarse	Sample Identification			
			BH101 S2	BH102 S1B	BH105 S2	BH110 S2 (Duplicate of BH105 S2)
Date Sampled			7-Apr-25	7-Apr-25	7-Apr-25	7-Apr-25
Depth	m bgs		0.6 - 1.2	0.2 - 0.6	0.6 - 1.2	0.6 - 1.2
Dichlorodifluoromethane	µg/g	16	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	µg/g	0.02	<0.02	<0.02	<0.02	<0.02
Bromomethane	µg/g	0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	µg/g	4	<0.05	<0.05	<0.05	<0.05
Acetone	µg/g	16	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	µg/g	0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	µg/g	0.1	<0.05	<0.05	<0.05	<0.05
Trans- 1,2-Dichloroethylene	µg/g	0.084	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone	µg/g	16	<0.50	<0.50	<0.50	<0.50
Cis- 1,2-Dichloroethylene	µg/g	3.4	<0.02	<0.02	<0.02	<0.02
Chloroform	µg/g	0.05	<0.04	<0.04	<0.04	<0.04
1,2-Dichloroethane	µg/g	0.05	<0.03	<0.03	<0.03	<0.03
1,1,1-Trichloroethane	µg/g	0.38	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	µg/g	0.05	<0.05	<0.05	<0.05	<0.05
Benzene	µg/g	0.21	<0.02	<0.02	<0.02	<0.02
1,2-Dichloropropane	µg/g	0.05	<0.03	<0.03	<0.03	<0.03
Trichloroethylene	µg/g	0.061	<0.03	<0.03	<0.03	<0.03
Bromodichloromethane	µg/g	13	<0.05	<0.05	<0.05	<0.05
Methyl Isobutyl Ketone	µg/g	1.7	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	µg/g	0.05	<0.04	<0.04	<0.04	<0.04
Toluene	µg/g	2.3	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	µg/g	9.4	<0.05	<0.05	<0.05	<0.05
Ethylene Dibromide	µg/g	0.05	<0.04	<0.04	<0.04	<0.04
Tetrachloroethylene	µg/g	0.28	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	µg/g	0.058	<0.04	<0.04	<0.04	<0.04
Chlorobenzene	µg/g	2.4	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	µg/g	2	<0.05	<0.05	<0.05	<0.05
Bromoform	µg/g	0.27	<0.05	<0.05	<0.05	<0.05
Styrene	µg/g	0.7	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	µg/g	4.8	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	µg/g	0.083	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	µg/g	3.4	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	µg/g	3.1	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene (Cis + Trans)	µg/g	0.05	<0.05	<0.05	<0.05	<0.05
n-Hexane	µg/g	2.8	<0.05	<0.05	<0.05	<0.05

*Ministry of the Environment, Conservation, and Parks Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the

m bgs - meters below concrete floor

SCS - Site Condition Standards

RPI - Residential/Parkland/Institutional

~~BH101, BH102 and BH108 are~~ located within the first level of underground parking

Table 3: Soil Quality Results
Polycyclic Aromatic Hydrocarbons (PAHs)

Parameter	Unit	*Table 3 RPI SCS Coarse	Sample Identification			
			BH101 S2	BH102 S2	BH105 S2	BH110 S2 (Duplicate of BH105 S2)
Date Sampled			**7-Apr-25**	**7-Apr-25**	**7-Apr-25**	**7-Apr-25**
Depth	**m bgs**		**0.6 - 1.2**	**0.6 - 1.2**	**0.6 - 1.2**	**0.6 - 1.2**
Naphthalene	µg/g	0.6	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	µg/g	0.15	<0.05	<0.05	<0.05	<0.05
Acenaphthene	µg/g	7.9	<0.05	<0.05	<0.05	<0.05
Fluorene	µg/g	62	<0.05	<0.05	<0.05	<0.05
Phenanthrene	µg/g	6.2	<0.05	<0.05	<0.05	<0.05
Anthracene	µg/g	0.67	<0.05	<0.05	<0.05	<0.05
Fluoranthene	µg/g	0.69	<0.05	<0.05	<0.05	0.05
Pyrene	µg/g	78	<0.05	<0.05	<0.05	0.05
Benzo(a)anthracene	µg/g	0.5	<0.05	<0.05	<0.05	<0.05
Chrysene	µg/g	7	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/g	0.78	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	µg/g	0.78	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	µg/g	0.3	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-cd)pyrene	µg/g	0.38	<0.05	<0.05	<0.05	<0.05
Dibenz(a,h)anthracene	µg/g	0.1	<0.05	<0.05	<0.05	<0.05
Benzo(g,h,i)perylene	µg/g	6.6	<0.05	<0.05	<0.05	<0.05
2-and 1-methyl Naphthalene	µg/g	0.99	<0.05	<0.05	<0.05	<0.05

*Ministry of the Environment, Conservation, and Parks Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act , dated April 2011.

m bgs - meters below concrete floor

SCS - Site Condition Standards

RPI - Residential/Parkland/Institutional

BH101, BH102 and BH105 are located within the first level of underground parking.

Table 4: Soil Quality Results
Metals and Other Regulated Parameters (ORPs)

Parameter	Unit	*Table 3 RPI SCS Coarse	Sample Identification			
			BH101 S2	BH102 S2	BH105 S2	BH111 S2 (Duplicate of BH101 S2)
Date Sampled			**7-Apr-25**	**7-Apr-25**	**7-Apr-25**	**7-Apr-25**
Depth	**m bgs**		**0.6 - 1.2**	**0.6 - 1.2**	**0.6 - 1.2**	**0.6 - 1.2**
Antimony	µg/g	7.5	<0.8	<0.8	<0.8	<0.8
Arsenic	µg/g	18	2	3	1	2
Barium	µg/g	390	86.7	158	152	96.4
Beryllium	µg/g	4	<0.5	<0.5	<0.5	<0.5
Boron	µg/g	120	<5	<5	<5	<5
Boron (Hot Water Soluble)	µg/g	1.5	0.23	0.35	0.12	0.23
Cadmium	µg/g	1.2	<0.5	<0.5	<0.5	<0.5
Chromium	µg/g	160	13	19	14	10
Cobalt	µg/g	22	4.8	7.7	4.6	3.9
Copper	µg/g	140	9.4	13.5	9.3	8.9
Lead	µg/g	120	4	9	4	4
Molybdenum	µg/g	6.9	1.4	1.7	0.8	1.0
Nickel	µg/g	100	10	14	10	8
Selenium	µg/g	2.4	<0.8	<0.8	<0.8	<0.8
Silver	µg/g	20	<0.5	<0.5	<0.5	<0.5
Thallium	µg/g	1	<0.5	<0.5	<0.5	<0.5
Uranium	µg/g	23	0.91	1.08	0.71	0.84
Vanadium	µg/g	86	21.5	25.3	23.1	17.1
Zinc	µg/g	340	24	28	22	13
Chromium, Hexavalent	µg/g	8	<0.2	<0.2	<0.2	<0.2
Cyanide, WAD	µg/g	0.051	<0.040	<0.040	<0.040	<0.040
Mercury	µg/g	0.27	<0.10	<0.10	<0.10	<0.10
Electrical Conductivity	mS/cm	0.7	**4.76**	**3.59**	**3.12**	**4.42**
Sodium Adsorption Ratio	N/A	5	**15**	**7.8**	**19**	**12**
pH	pH Units	See note	6.74	6.95	7.05	7.10

*Ministry of the Environment, Conservation, and Parks Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act , dated April 2011.

**pH 5 to 9 for surface soils; pH 5 to 11 for subsurface soil

m bgs - meters below concrete floor

SCS - Site Condition Standards

RPI - Residential/Parkland/Institutional

ORPs include Boron (HWS), Cyanide (CN-), Chromium (VI) (CrVI), Mercury (Hg), pH, Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR)

Blue Bold - The elevated EC and SAR in soil are attributed to the historical use of de-icing salt on the surfaces of the Site and adjacent roadways. Under O.Reg. 153/04, as amended, where a SCS is exceeded solely because a substance has been applied for the safety of vehicular or pedestrian traffic under conditions of snow and ice, the applicable SCS is deemed to not be exceeded. Reference is made to O.Reg. 153/04, as amended, S. 49(1).

BH101, BH102 and BH105 are located within the first level of underground parking.

Table 5: Groundwater Quality Results
Petroleum Hydrocarbons (F1 - F4) and BTEX

Parameter	Unit	*Table 3 Coarse SCS	Sample Identification							
			F1	F2	F3	F5	F6	F7 (Duplicate of F6)	MW101	MW103
Date Sampled	-	-	8-Apr-25	8-Apr-25	8-Apr-25	8-Apr-25	8-Apr-25	8-Apr-25	8-Apr-25	10-Apr-25
Benzene	µg/L	44	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	µg/L	2300	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Toluene	µg/L	18000	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.24	<0.20
Xylenes (total)	µg/L	4200	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.67	0.72
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	750	<25	<25	<25	<25	<25	<25	<25	<25
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	<100	<100	<100	<100	<100	<100	<100	<100
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	500	<100	<100	<100	<100	<100	<100	<100	<100
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	500	<100	<100	<100	<100	<100	<100	<100	<100

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

F1, F2, MW101 are located within first level of underground parking

SCS - Site Condition Standards

Table 5: Groundwater Quality Results
Petroleum Hydrocarbons (F1 - F4) and BTEX

Parameter	Unit	*Table 3 Coarse SCS	Sample Identification	
			MW104	MW106
Date Sampled	**-**	**-**	**10-Apr-25**	**14-Apr-25**
Benzene	µg/L	44	<0.20	<0.20
Ethylbenzene	µg/L	2300	<0.10	<0.10
Toluene	µg/L	18000	<0.20	<0.20
Xylenes (total)	µg/L	4200	0.25	<0.20
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	750	<25	<25
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	<100	<100
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	500	<100	<100
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	500	<100	<100

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

F1, F2, MW101 are located within first level of underground parking

SCS - Site Condition Standards

Table 6: Groundwater Quality Results
Volatile Organic Compounds (VOCs)

Parameter	Unit	*Table 3 Coarse SCS	Sample Identification									
			F1	F2	F3	F5	F6	F7 (Duplicate of F6)	MW101	MW103	MW104	MW106
Date Sampled	-	-	8-Apr-25	8-Apr-25	8-Apr-25	8-Apr-25	8-Apr-25	8-Apr-25	8-Apr-25	10-Apr-25	10-Apr-25	14-Apr-25
Dichlorodifluoromethane	µg/L	4400	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	0.5	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bromomethane	µg/L	5.6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	2500	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	130000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	1.6	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	610	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.44	<0.20
Methyl tert-butyl ether	µg/L	190	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	320	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	470000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.08	<0.20
Chloroform	µg/L	2.4	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**2.54**	1.13	0.84	<0.20
1,2-Dichloroethane	µg/L	1.6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	640	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	0.79	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	44	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	16	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	1.6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.32	<0.20
Bromodichloromethane	µg/L	85000	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	140000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	4.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	18000	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.24	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	82000	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.25	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	1.6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	3.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	630	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2300	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Bromoform	µg/L	380	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	1300	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	3.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	3.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	9600	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	4600	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	5.2	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	4200	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.67	0.72	0.25	<0.20
n-Hexane	µg/L	51	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

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

SCS - Site Condition Standard

F1, F2, MW101 are located within first level of underground parking

Blue Bold - The elevated chloroform concentrations in groundwater are attributed to treated municipal water, and the concentrations are below the values in Table A of the MECP's "Guidance for Addressing Chloroform at a Record of Site Condition Property". As such, it is deemed to not exceed the SCS.

Table 7: Groundwater Quality Results
Polycyclic Aromatic Hydrocarbons (PAHs)

Parameter	Unit	*Table 3 Coarse SCS	Sample Identification			
			MW101	MW120 (Duplicate of MW101)	MW103	MW106
Date Sampled	-	-	**9-Jun-25**	**9-Jun-25**	**10-Apr-25**	**14-Apr-25**
Naphthalene	µg/L	1400	<0.20	<0.20	<0.20	<0.20
Acenaphthylene	µg/L	1.8	<0.20	<0.20	<0.20	<0.20
Acenaphthene	µg/L	600	<0.20	<0.20	<0.20	<0.20
Fluorene	µg/L	400	<0.20	<0.20	<0.20	<0.20
Phenanthrene	µg/L	580	<0.10	<0.10	<0.10	<0.10
Anthracene	µg/L	2.4	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	130	<0.20	<0.20	0.34	<0.20
Pyrene	µg/L	68	<0.20	<0.20	0.33	<0.20
Benzo(a)anthracene	µg/L	4.7	<0.20	<0.20	<0.20	<0.20
Chrysene	µg/L	1	<0.10	<0.10	0.28	<0.10
Benzo(b)fluoranthene	µg/L	0.75	<0.10	<0.10	0.22	<0.10
Benzo(k)fluoranthene	µg/L	0.4	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.81	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	<0.20	<0.20	<0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.52	<0.20	<0.20	<0.20	<0.20
Benzo(g,h,i)perylene	µg/L	0.2	<0.20	<0.20	<0.20	<0.20
2-and 1-methyl Napthalene	µg/L	1800	<0.20	<0.20	<0.20	<0.20

*MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, F1, F2, MW101 are located within first level of underground parking
SCS - Site Condition Standards

Table 8: Groundwater Quality Results
Metals and Other Regulated Parameters (ORPs)

Parameter	Unit	*Table 3 Coarse SCS	Sample Identification							
			F1	F2	F3	F6	F7 (Duplicate of F6)	MW101	MW103	MW104
Date Sampled	-	-	8-Apr-25	8-Apr-25	8-Apr-25	8-Apr-25	8-Apr-25	8-Apr-25	10-Apr-25	10-Apr-25
Mercury	µg/L	0.29	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Dissolved Antimony	µg/L	20000	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	1.3	1.0
Dissolved Arsenic	µg/L	1900	<1.0	1.1	<1.0	<1.0	<1.0	1.5	<1.0	1.1
Dissolved Barium	µg/L	29000	142	376	46.6	115	94.7	562	128	120
Dissolved Beryllium	µg/L	67	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	45000	148	170	640	213	195	166	193	185
Dissolved Cadmium	µg/L	2.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	810	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	11.6
Dissolved Cobalt	µg/L	66	<0.50	0.78	0.52	<0.50	<0.50	8.82	3.98	2.15
Dissolved Copper	µg/L	87	2	5.1	<1.0	1.2	<1.0	2.9	<1.0	3.3
Dissolved Lead	µg/L	25	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.77
Dissolved Molybdenum	µg/L	9200	5.06	9.98	10.4	30.8	31.9	12.8	54.9	74.2
Dissolved Nickel	µg/L	490	4.9	8.2	4.8	1.7	1.9	12.1	7.4	11.1
Dissolved Selenium	µg/L	63	3.9	1.3	3.5	2.1	3.0	3.8	3.5	5.9
Dissolved Silver	µg/L	1.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	510	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	420	1.28	4.24	2.80	3.21	4.03	7.04	6.12	12.3
Dissolved Vanadium	µg/L	250	4.96	0.50	<0.40	0.66	0.49	0.98	0.55	0.61
Dissolved Zinc	µg/L	1100	<5.0	<5.0	<5.0	5.3	<5.0	7.1	<5.0	<5.0
Chromium VI	µg/L	140	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000
Cyanide, WAD	µg/L	66	<2	<2	<2	<2	<2	<2	<2	<2
Dissolved Sodium	µg/L	2300000	1560000	3730000	2160000	2060000	1980000	3740000	1800000	1020000
Chloride	µg/L	2300000	2290000	5740000	2510000	2860000	3040000	4590000	2340000	1480000
pH	µg/L		7.97	7.67	7.49	7.72	7.78	7.68	7.62	7.45

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

F1, F2, MW101 are located within first level of underground parking | F1, F2, MW101 are located within first level of | F1, F2, MW101 are located within first level of underground parking | F1, F2, MW101 are located within first level of underground parking | F1, F2, MW101 are located within first level of underground parking | F1, F2, MW101 a of underground p

SCS - Site Condition Standards

ORPs include Arsenic (As), Antimony (Sb), Selenium (Se), Cyanide (CN-), Mercury (Hg), Chromium VI (CrVI, Sodium (Na), and Chloride (Cl).

Table 8: Groundwater Quality Results
Metals and Other Regulated Parameters (ORPs)

Parameter	Unit	*Table 3 Coarse SCS	Sample Identification
			MW106
Date Sampled	-	-	**14-Apr-25**
Mercury	µg/L	0.29	<0.026
Dissolved Antimony	µg/L	20000	1.0
Dissolved Arsenic	µg/L	1900	<1.0
Dissolved Barium	µg/L	29000	46.5
Dissolved Beryllium	µg/L	67	<0.50
Dissolved Boron	µg/L	45000	322
Dissolved Cadmium	µg/L	2.7	<0.20
Dissolved Chromium	µg/L	810	<2.0
Dissolved Cobalt	µg/L	66	4.24
Dissolved Copper	µg/L	87	<1.0
Dissolved Lead	µg/L	25	1.16
Dissolved Molybdenum	µg/L	9200	12.2
Dissolved Nickel	µg/L	490	18
Dissolved Selenium	µg/L	63	4.3
Dissolved Silver	µg/L	1.5	<0.20
Dissolved Thallium	µg/L	510	<0.30
Dissolved Uranium	µg/L	420	22.0
Dissolved Vanadium	µg/L	250	<0.40
Dissolved Zinc	µg/L	1100	<5.0
Chromium VI	µg/L	140	<2.000
Cyanide, WAD	µg/L	66	18
Dissolved Sodium	µg/L	2300000	602000
Chloride	µg/L	2300000	524000
pH	µg/L		7.22

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

F1, F2, MW101 are located within first level of underground parking

F1, F2, MWre located within first level within first larking

SCS - Site Condition Standards

ORPs include Arsenic (As), Antimony (Sb), Selenium (Se), Cyanide (CN-), Mercury (Hg), Chromium VI (CrVI, Sodium (Na), and Chloride (Cl).

Table 9: Groundwater Quality Results
Polychlorinated Biphenyls (PCBs)

Parameter	Unit	*Table 3 Coarse SCS	Sample Identification	
			MW103	MW121
Date Sampled	**-**	**-**	**9-Jun-25**	**9-Jun-25**
PCBs, total	µg/L	7.8	<0.1	<0.1

*MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, dated April 2011.
F1, F2, MW101 are located within first level of underground parking
SCS - Site Condition Standards

Appendix D:
Certificates of Analysis

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC
4361 HARVESTERROAD, UNIT 12
BURLINGTON, ON L7L 5M4
(905) 331-3735

ATTENTION TO: Melissa King

PROJECT: G2S25044B

AGAT WORK ORDER: 25T271206

SOIL ANALYSIS REVIEWED BY: Nivine Basily, Inorganic Team Lead

TRACE ORGANICS REVIEWED BY: Pinkal Patel, Report Reviewer

DATE REPORTED: May 20, 2025

PAGES (INCLUDING COVER): 19

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

*Notes

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.
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- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Melissa King

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - Metals & Inorganics (Soil)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-20

SAMPLE DESCRIPTION:				BH101 S2	BH102 S2	BH105 S2	BH111 S2
SAMPLE TYPE:				Soil	Soil	Soil	Soil
DATE SAMPLED:				2025-04-07	2025-04-07	2025-04-07	2025-04-07
Parameter	Unit	G / S	RDL	6658747	6658752	6658754	6658757
Antimony	µg/g	7.5	0.8	<0.8	<0.8	<0.8	<0.8
Arsenic	µg/g	18	1	2	3	1	2
Barium	µg/g	390	2.0	86.7	158	152	96.4
Beryllium	µg/g	4	0.5	<0.5	<0.5	<0.5	<0.5
Boron	µg/g	120	5	<5	<5	<5	<5
Boron (Hot Water Soluble)	µg/g	1.5	0.10	0.23	0.35	0.12	0.23
Cadmium	µg/g	1.2	0.5	<0.5	<0.5	<0.5	<0.5
Chromium	µg/g	160	5	13	19	14	10
Cobalt	µg/g	22	0.8	4.8	7.7	4.6	3.9
Copper	µg/g	140	1.0	9.4	13.5	9.3	8.9
Lead	µg/g	120	1	4	9	4	4
Molybdenum	µg/g	6.9	0.5	1.4	1.7	0.8	1.0
Nickel	µg/g	100	1	10	14	10	8
Selenium	µg/g	2.4	0.8	<0.8	<0.8	<0.8	<0.8
Silver	µg/g	20	0.5	<0.5	<0.5	<0.5	<0.5
Thallium	µg/g	1	0.5	<0.5	<0.5	<0.5	<0.5
Uranium	µg/g	23	0.50	0.91	1.08	0.71	0.84
Vanadium	µg/g	86	2.0	21.5	25.3	23.1	17.1
Zinc	µg/g	340	5	24	28	22	13
Chromium, Hexavalent	µg/g	8	0.2	<0.2	<0.2	<0.2	<0.2
Cyanide, WAD	µg/g	0.051	0.040	<0.040	<0.040	<0.040	<0.040
Mercury	µg/g	0.27	0.10	<0.10	<0.10	<0.10	<0.10
Electrical Conductivity (2:1)	mS/cm	0.7	0.005	4.76	3.59	3.12	4.42
Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	N/A	15	7.8	19	12
pH, 2:1 CaCl2 Extraction	pH Units	5.0-9.0	NA	6.74	6.95	7.05	7.10

Certified By:

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Melissa King

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - Metals & Inorganics (Soil)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-20

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON T3 S RPI CT
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6658747-6658757 EC was determined on the DI water extract obtained from the 2:1 leaching procedure (2 parts DI water:1 part soil). pH was determined on the 0.01M CaCl2 extract prepared at 2:1 ratio. SAR is a calculated parameter.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

AGAT Laboratories

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AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Melissa King

SAMPLING SITE:Ottawa

SAMPLED BY:DB

Particle Size by Sieve (Wet)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-20

		SAMPLE DESCRIPTION:		BH101 S2
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2025-04-07
Parameter	Unit	G / S	RDL	6658747
Sieve Analysis - 75 µm (retained)	%		NA	71.00
Sieve Analysis - 75 µm (passing)	%		NA	29.00
Soil Texture (Toronto)				Coarse

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON T3 S RPI CT
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6658747 Value reported is the amount of sample passing through or retained on sieve after wash with water and represents proportion by weight particles smaller or larger than indicated sieve size.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Melissa King

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - PAHs (Soil)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-20

SAMPLE DESCRIPTION:				BH101 S2	BH102 S2	BH105 S2	BH110 S2
SAMPLE TYPE:				Soil	Soil	Soil	Soil
DATE SAMPLED:				2025-04-07	2025-04-07	2025-04-07	2025-04-07
Parameter	Unit	G / S	RDL	6658747	6658752	6658754	6658756
Naphthalene	µg/g	0.6	0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	µg/g	0.15	0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthene	µg/g	7.9	0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	µg/g	62	0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	µg/g	6.2	0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	µg/g	0.67	0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	µg/g	0.69	0.05	<0.05	<0.05	<0.05	0.05
Pyrene	µg/g	78	0.05	<0.05	<0.05	<0.05	0.05
Benzo(a)anthracene	µg/g	0.5	0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	µg/g	7	0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/g	0.78	0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	µg/g	0.78	0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	µg/g	0.3	0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-cd)pyrene	µg/g	0.38	0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(a,h)anthracene	µg/g	0.1	0.05	<0.05	<0.05	<0.05	<0.05
Benzo(g,h,i)perylene	µg/g	6.6	0.05	<0.05	<0.05	<0.05	<0.05
2-and 1-methyl Naphthalene	µg/g	0.99	0.05	<0.05	<0.05	<0.05	<0.05
Moisture Content	%		0.1	15.0	14.7	13.2	8.6
Surrogate	Unit	Acceptable Limits					
Naphthalene-d8	%	50-140		115	115	120	100
Acridine-d9	%	50-140		90	100	85	95
Terphenyl-d14	%	50-140		60	100	95	100

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON T3 S RPI CT
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6658747-6658756 Results are based on the dry weight of the soil.
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Melissa King

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-20

		SAMPLE DESCRIPTION:		BH101 S2	BH105 S2	BH110 S2
		SAMPLE TYPE:		Soil	Soil	Soil
		DATE SAMPLED:		2025-04-07	2025-04-07	2025-04-07
Parameter	Unit	G / S	RDL	6658747	6658754	6658756
F1 (C6 to C10)	µg/g	55	5	<5	<5	<5
F1 (C6 to C10) minus BTEX	µg/g	55	5	<5	<5	<5
F2 (C10 to C16)	µg/g	98	10	<10	<10	<10
F2 (C10 to C16) minus Naphthalene	µg/g		10	<10	<10	<10
F3 (C16 to C34)	µg/g	300	50	<50	<50	<50
F3 (C16 to C34) minus PAHs	µg/g		50	<50	<50	<50
F4 (C34 to C50)	µg/g	2800	50	<50	<50	<50
Gravimetric Heavy Hydrocarbons	µg/g	2800	50	NA	NA	NA
Moisture Content	%		0.1	15.0	13.2	8.6
Surrogate	Unit	Acceptable Limits				
Toluene-d8	%	50-140		100	114	99
Terphenyl	%	60-140		84	97	83

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON T3 S RPI CT
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6658747-6658756 Results are based on sample dry weight.
The C6-C10 fraction is calculated using toluene response factor.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

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Certificate of Analysis

AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Melissa King

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - PHCs F1 - F4 (with VOC) (Soil)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-20

		SAMPLE DESCRIPTION:		BH102 S1B
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2025-04-07
Parameter	Unit	G / S	RDL	6658750
F1 (C6 to C10)	µg/g	55	5	<5
F1 (C6 to C10) minus BTEX	µg/g	55	5	<5
F2 (C10 to C16)	µg/g	98	10	<10
F3 (C16 to C34)	µg/g	300	50	<50
F4 (C34 to C50)	µg/g	2800	50	<50
Gravimetric Heavy Hydrocarbons	µg/g	2800	50	NA
Moisture Content	%		0.1	9.3
Surrogate	Unit	Acceptable Limits		
Toluene-d8	%	50-140		106
Terphenyl	%	60-140		84

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON T3 S RPI CT
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6658750 Results are based on sample dry weight.
The C6-C10 fraction is calculated using toluene response factor.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX contribution.
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC6 and nC10 response factors are within 30% of Toluene response factor.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.
Fractions 1-4 are quantified without the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

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Certificate of Analysis

AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Melissa King

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - VOCs (with PHC) (Soil)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-20

SAMPLE DESCRIPTION:				BH101 S2	BH102 S1B	BH105 S2	BH110 S2
SAMPLE TYPE:				Soil	Soil	Soil	Soil
DATE SAMPLED:				2025-04-07	2025-04-07	2025-04-07	2025-04-07
Parameter	Unit	G / S	RDL	6658747	6658750	6658754	6658756
Dichlorodifluoromethane	µg/g	16	0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	ug/g	0.02	0.02	<0.02	<0.02	<0.02	<0.02
Bromomethane	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	ug/g	4	0.05	<0.05	<0.05	<0.05	<0.05
Acetone	ug/g	16	0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	ug/g	0.1	0.05	<0.05	<0.05	<0.05	<0.05
Trans- 1,2-Dichloroethylene	ug/g	0.084	0.05	<0.05	<0.05	<0.05	<0.05
Methyl tert-butyl Ether	ug/g	0.75	0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	ug/g	3.5	0.02	<0.02	<0.02	<0.02	<0.02
Methyl Ethyl Ketone	ug/g	16	0.50	<0.50	<0.50	<0.50	<0.50
Cis- 1,2-Dichloroethylene	ug/g	3.4	0.02	<0.02	<0.02	<0.02	<0.02
Chloroform	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dichloroethane	ug/g	0.05	0.03	<0.03	<0.03	<0.03	<0.03
1,1,1-Trichloroethane	ug/g	0.38	0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05
Benzene	ug/g	0.21	0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dichloropropane	ug/g	0.05	0.03	<0.03	<0.03	<0.03	<0.03
Trichloroethylene	ug/g	0.061	0.03	<0.03	<0.03	<0.03	<0.03
Bromodichloromethane	ug/g	13	0.05	<0.05	<0.05	<0.05	<0.05
Methyl Isobutyl Ketone	ug/g	1.7	0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04
Toluene	ug/g	2.3	0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	ug/g	9.4	0.05	<0.05	<0.05	<0.05	<0.05
Ethylene Dibromide	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04
Tetrachloroethylene	ug/g	0.28	0.05	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	ug/g	0.058	0.04	<0.04	<0.04	<0.04	<0.04
Chlorobenzene	ug/g	2.4	0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	2	0.05	<0.05	<0.05	<0.05	<0.05
m & p-Xylene	ug/g		0.05	<0.05	<0.05	<0.05	<0.05

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Certificate of Analysis

AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Melissa King

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - VOCs (with PHC) (Soil)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-20

		SAMPLE DESCRIPTION:		BH101 S2	BH102 S1B	BH105 S2	BH110 S2
		SAMPLE TYPE:		Soil	Soil	Soil	Soil
		DATE SAMPLED:		2025-04-07	2025-04-07	2025-04-07	2025-04-07
Parameter	Unit	G / S	RDL	6658747	6658750	6658754	6658756
Bromoform	ug/g	0.27	0.05	<0.05	<0.05	<0.05	<0.05
Styrene	ug/g	0.7	0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	ug/g		0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	ug/g	4.8	0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	ug/g	0.083	0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	ug/g	3.4	0.05	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	ug/g	3.1	0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene (Cis + Trans)	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05
n-Hexane	µg/g	2.8	0.05	<0.05	<0.05	<0.05	<0.05
Moisture Content	%		0.1	15.0	9.3	13.2	8.6
Surrogate	Unit	Acceptable Limits					
Toluene-d8	% Recovery	50-140		100	106	114	99
4-Bromofluorobenzene	% Recovery	50-140		98	84	74	86

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON T3 S RPI CT
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6658747-6658756 The sample was analyzed using the high level technique. The sample was extracted using methanol, a small amount of the methanol extract was diluted in water and the purge & trap GC/MS analysis was performed. Results are based on the dry weight of the soil.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

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Exceedance Summary

AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Melissa King

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
6658747	BH101 S2	ON T3 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity (2:1)	mS/cm	0.7	4.76
6658747	BH101 S2	ON T3 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	15
6658752	BH102 S2	ON T3 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity (2:1)	mS/cm	0.7	3.59
6658752	BH102 S2	ON T3 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	7.8
6658754	BH105 S2	ON T3 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity (2:1)	mS/cm	0.7	3.12
6658754	BH105 S2	ON T3 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	19
6658757	BH111 S2	ON T3 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity (2:1)	mS/cm	0.7	4.42
6658757	BH111 S2	ON T3 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	12

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Quality Assurance

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

ATTENTION TO: Melissa King

SAMPLING SITE:Ottawa

SAMPLED BY:DB

Soil Analysis

RPT Date: May 20, 2025			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Soil)															
Antimony	6665495		<0.8	<0.8	NA	< 0.8	126%	70%	130%	92%	80%	120%	79%	70%	130%
Arsenic	6665495		4	4	NA	< 1	106%	70%	130%	94%	80%	120%	89%	70%	130%
Barium	6665495		102	97.0	5.0%	< 2.0	104%	70%	130%	100%	80%	120%	108%	70%	130%
Beryllium	6665495		0.5	0.5	NA	< 0.5	93%	70%	130%	94%	80%	120%	88%	70%	130%
Boron	6665495		<5	<5	NA	< 5	113%	70%	130%	113%	80%	120%	94%	70%	130%
Boron (Hot Water Soluble)	6662219		0.45	0.45	NA	< 0.10	101%	60%	140%	105%	70%	130%	104%	60%	140%
Cadmium	6665495		<0.5	<0.5	NA	< 0.5	109%	70%	130%	103%	80%	120%	105%	70%	130%
Chromium	6665495		14	14	NA	< 5	95%	70%	130%	108%	80%	120%	100%	70%	130%
Cobalt	6665495		7.7	7.6	1.3%	< 0.8	93%	70%	130%	108%	80%	120%	98%	70%	130%
Copper	6665495		19.0	19.0	0.0%	< 1.0	91%	70%	130%	108%	80%	120%	100%	70%	130%
Lead	6665495		14	10	33.3%	< 1	103%	70%	130%	106%	80%	120%	98%	70%	130%
Molybdenum	6665495		<0.5	<0.5	NA	< 0.5	106%	70%	130%	101%	80%	120%	106%	70%	130%
Nickel	6665495		16	16	0.0%	< 1	95%	70%	130%	100%	80%	120%	92%	70%	130%
Selenium	6665495		<0.8	<0.8	NA	< 0.8	97%	70%	130%	105%	80%	120%	105%	70%	130%
Silver	6665495		<0.5	<0.5	NA	< 0.5	99%	70%	130%	98%	80%	120%	103%	70%	130%
Thallium	6665495		<0.5	<0.5	NA	< 0.5	102%	70%	130%	102%	80%	120%	101%	70%	130%
Uranium	6665495		1.19	1.22	NA	< 0.50	98%	70%	130%	102%	80%	120%	104%	70%	130%
Vanadium	6665495		22.3	22.1	0.9%	< 2.0	95%	70%	130%	102%	80%	120%	100%	70%	130%
Zinc	6665495		52	49	5.9%	< 5	96%	70%	130%	104%	80%	120%	NA	70%	130%
Chromium, Hexavalent	6662210		<0.2	<0.2	NA	< 0.2	93%	70%	130%	97%	80%	120%	71%	70%	130%
Cyanide, WAD	6658508		<0.040	<0.040	NA	< 0.040	100%	70%	130%	96%	80%	120%	99%	70%	130%
Mercury	6665495		<0.10	<0.10	NA	< 0.10	103%	70%	130%	97%	80%	120%	99%	70%	130%
Electrical Conductivity (2:1)	6662219		0.210	0.177	17.1%	< 0.005	98%	80%	120%						
Sodium Adsorption Ratio (2:1) (Calc.)	6662219		0.34	0.34	0.0%	NA									
pH, 2:1 CaCl2 Extraction	6658747	6658747	6.74	6.89	2.2%	NA	96%	80%	120%						

Comments: NA signifies Not Applicable.
pH duplicates QA acceptance criteria was met relative as stated in Table 5-15 of Analytical Protocol document.
Duplicate NA: results are under 5X the RDL and will not be calculated.

Matrix spike NA: Spike level < native concentration. Matrix spike acceptance limits do not apply and are not calculated.

Particle Size by Sieve (Wet)															
Sieve Analysis - 75 µm (retained)	6654483		13.50	14.22	5.2%	NA	100%	75%	125%						
Sieve Analysis - 75 µm (passing)	6654483		86.50	85.78	0.8%	NA									

Comments: NA signifies Not Applicable.
Duplicate NA: results are under 5X the RDL and will not be calculated.

Certified By:

AGAT Laboratories
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Quality Assurance

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC
AGAT WORK ORDER: 25T271206
PROJECT: G2S25044B
ATTENTION TO: Melissa King
SAMPLING SITE:Ottawa
SAMPLED BY:DB

Trace Organics Analysis

RPT Date: May 20, 2025

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PAHs (Soil)															
Naphthalene	6658794		<0.05	<0.05	NA	< 0.05	100%	50%	140%	110%	50%	140%	108%	50%	140%
Acenaphthylene	6658794		<0.05	<0.05	NA	< 0.05	116%	50%	140%	110%	50%	140%	98%	50%	140%
Acenaphthene	6658794		<0.05	<0.05	NA	< 0.05	114%	50%	140%	100%	50%	140%	95%	50%	140%
Fluorene	6658794		<0.05	<0.05	NA	< 0.05	128%	50%	140%	93%	50%	140%	88%	50%	140%
Phenanthrene	6658794		<0.05	<0.05	NA	< 0.05	124%	50%	140%	103%	50%	140%	113%	50%	140%
Anthracene	6658794		<0.05	<0.05	NA	< 0.05	111%	50%	140%	100%	50%	140%	103%	50%	140%
Fluoranthene	6658794		<0.05	<0.05	NA	< 0.05	99%	50%	140%	100%	50%	140%	95%	50%	140%
Pyrene	6658794		<0.05	<0.05	NA	< 0.05	112%	50%	140%	93%	50%	140%	103%	50%	140%
Benzo(a)anthracene	6658794		<0.05	<0.05	NA	< 0.05	116%	50%	140%	105%	50%	140%	98%	50%	140%
Chrysene	6658794		<0.05	<0.05	NA	< 0.05	116%	50%	140%	103%	50%	140%	98%	50%	140%
Benzo(b)fluoranthene	6658794		<0.05	<0.05	NA	< 0.05	119%	50%	140%	108%	50%	140%	98%	50%	140%
Benzo(k)fluoranthene	6658794		<0.05	<0.05	NA	< 0.05	92%	50%	140%	83%	50%	140%	98%	50%	140%
Benzo(a)pyrene	6658794		<0.05	<0.05	NA	< 0.05	111%	50%	140%	110%	50%	140%	88%	50%	140%
Indeno(1,2,3-cd)pyrene	6658794		<0.05	<0.05	NA	< 0.05	110%	50%	140%	105%	50%	140%	105%	50%	140%
Dibenz(a,h)anthracene	6658794		<0.05	<0.05	NA	< 0.05	118%	50%	140%	98%	50%	140%	100%	50%	140%
Benzo(g,h,i)perylene	6658794		<0.05	<0.05	NA	< 0.05	103%	50%	140%	93%	50%	140%	100%	50%	140%
O. Reg. 153(511) - VOCs (with PHC) (Soil)															
Dichlorodifluoromethane	6654152		<0.05	<0.05	NA	< 0.05	95%	50%	140%	84%	50%	140%	102%	50%	140%
Vinyl Chloride	6654152		<0.02	<0.02	NA	< 0.02	108%	50%	140%	106%	50%	140%	99%	50%	140%
Bromomethane	6654152		<0.05	<0.05	NA	< 0.05	107%	50%	140%	107%	50%	140%	93%	50%	140%
Trichlorofluoromethane	6654152		<0.05	<0.05	NA	< 0.05	105%	50%	140%	107%	50%	140%	109%	50%	140%
Acetone	6654152		<0.50	<0.50	NA	< 0.50	79%	50%	140%	70%	50%	140%	62%	50%	140%
1,1-Dichloroethylene	6654152		<0.05	<0.05	NA	< 0.05	85%	50%	140%	75%	60%	130%	72%	50%	140%
Methylene Chloride	6654152		<0.05	<0.05	NA	< 0.05	96%	50%	140%	100%	60%	130%	73%	50%	140%
Trans- 1,2-Dichloroethylene	6654152		<0.05	<0.05	NA	< 0.05	74%	50%	140%	109%	60%	130%	79%	50%	140%
Methyl tert-butyl Ether	6654152		<0.05	<0.05	NA	< 0.05	103%	50%	140%	93%	60%	130%	81%	50%	140%
1,1-Dichloroethane	6654152		<0.02	<0.02	NA	< 0.02	65%	50%	140%	99%	60%	130%	82%	50%	140%
Methyl Ethyl Ketone	6654152		<0.50	<0.50	NA	< 0.50	97%	50%	140%	81%	50%	140%	91%	50%	140%
Cis- 1,2-Dichloroethylene	6654152		<0.02	<0.02	NA	< 0.02	114%	50%	140%	104%	60%	130%	84%	50%	140%
Chloroform	6654152		<0.04	<0.04	NA	< 0.04	63%	50%	140%	64%	60%	130%	58%	50%	140%
1,2-Dichloroethane	6654152		<0.03	<0.03	NA	< 0.03	105%	50%	140%	105%	60%	130%	84%	50%	140%
1,1,1-Trichloroethane	6654152		<0.05	<0.05	NA	< 0.05	107%	50%	140%	119%	60%	130%	73%	50%	140%
Carbon Tetrachloride	6654152		<0.05	<0.05	NA	< 0.05	62%	50%	140%	114%	60%	130%	92%	50%	140%
Benzene	6654152		<0.02	<0.02	NA	< 0.02	96%	50%	140%	106%	60%	130%	74%	50%	140%
1,2-Dichloropropane	6654152		<0.03	<0.03	NA	< 0.03	94%	50%	140%	98%	60%	130%	77%	50%	140%
Trichloroethylene	6654152		<0.03	<0.03	NA	< 0.03	103%	50%	140%	114%	60%	130%	78%	50%	140%
Bromodichloromethane	6654152		<0.05	<0.05	NA	< 0.05	108%	50%	140%	112%	60%	130%	86%	50%	140%
Methyl Isobutyl Ketone	6654152		<0.50	<0.50	NA	< 0.50	84%	50%	140%	90%	50%	140%	85%	50%	140%

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Quality Assurance

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

ATTENTION TO: Melissa King

SAMPLING SITE:Ottawa

SAMPLED BY:DB

Trace Organics Analysis (Continued)

RPT Date: May 20, 2025			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,1,2-Trichloroethane	6654152		<0.04	<0.04	NA	< 0.04	92%	50%	140%	98%	60%	130%	100%	50%	140%
Toluene	6654152		<0.05	<0.05	NA	< 0.05	111%	50%	140%	103%	60%	130%	81%	50%	140%
Dibromochloromethane	6654152		<0.05	<0.05	NA	< 0.05	94%	50%	140%	100%	60%	130%	101%	50%	140%
Ethylene Dibromide	6654152		<0.04	<0.04	NA	< 0.04	119%	50%	140%	103%	60%	130%	100%	50%	140%
Tetrachloroethylene	6654152		<0.05	<0.05	NA	< 0.05	110%	50%	140%	105%	60%	130%	95%	50%	140%
1,1,1,2-Tetrachloroethane	6654152		<0.04	<0.04	NA	< 0.04	85%	50%	140%	93%	60%	130%	68%	50%	140%
Chlorobenzene	6654152		<0.05	<0.05	NA	< 0.05	106%	50%	140%	117%	60%	130%	82%	50%	140%
Ethylbenzene	6654152		<0.05	<0.05	NA	< 0.05	105%	50%	140%	114%	60%	130%	76%	50%	140%
m & p-Xylene	6654152		<0.05	<0.05	NA	< 0.05	107%	50%	140%	116%	60%	130%	109%	50%	140%
Bromoform	6654152		<0.05	<0.05	NA	< 0.05	111%	50%	140%	117%	60%	130%	112%	50%	140%
Styrene	6654152		<0.05	<0.05	NA	< 0.05	94%	50%	140%	103%	60%	130%	73%	50%	140%
1,1,2,2-Tetrachloroethane	6654152		<0.05	<0.05	NA	< 0.05	83%	50%	140%	66%	60%	130%	107%	50%	140%
o-Xylene	6654152		<0.05	<0.05	NA	< 0.05	106%	50%	140%	115%	60%	130%	80%	50%	140%
1,3-Dichlorobenzene	6654152		<0.05	<0.05	NA	< 0.05	107%	50%	140%	117%	60%	130%	89%	50%	140%
1,4-Dichlorobenzene	6654152		<0.05	<0.05	NA	< 0.05	109%	50%	140%	114%	60%	130%	87%	50%	140%
1,2-Dichlorobenzene	6654152		<0.05	<0.05	NA	< 0.05	106%	50%	140%	112%	60%	130%	89%	50%	140%
n-Hexane	6654152		<0.05	<0.05	NA	< 0.05	97%	50%	140%	109%	60%	130%	102%	50%	140%
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)															
F1 (C6 to C10)	6654152		<5	<5	NA	< 5	102%	60%	140%	105%	60%	140%	85%	60%	140%
F2 (C10 to C16)	6658756	6658756	< 10	< 10	NA	< 10	111%	60%	140%	121%	60%	140%	122%	60%	140%
F3 (C16 to C34)	6658756	6658756	< 50	< 50	NA	< 50	109%	60%	140%	125%	60%	140%	118%	60%	140%
F4 (C34 to C50)	6658756	6658756	< 50	< 50	NA	< 50	64%	60%	140%	107%	60%	140%	106%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Certified By:

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Method Summary

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

ATTENTION TO: Melissa King

SAMPLING SITE:Ottawa

SAMPLED BY:DB

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Antimony	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Arsenic	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Barium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Beryllium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Boron	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Boron (Hot Water Soluble)	MET-93-6104	modified from EPA 6010D and MSA PART 3, CH 21	ICP/OES
Cadmium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Chromium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Cobalt	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Copper	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Lead	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Molybdenum	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Nickel	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Selenium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Silver	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Thallium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Uranium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Vanadium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Zinc	MET 93 -6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Chromium, Hexavalent	INOR-93-6068	modified from EPA 3060 and EPA 7196	SPECTROPHOTOMETER
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015, SM 4500-CN- I, G-387	SEGMENTED FLOW ANALYSIS
Mercury	MET-93-6103	modified from EPA 7471B and SM 3112 B	ICP-MS
Electrical Conductivity (2:1)	INOR-93-6075	modified from MSA PART 3, CH 14 and SM 2510 B	PC TITRATE
Sodium Adsorption Ratio (2:1) (Calc.)	INOR-93-6007	modified from EPA 6010D & Analytical Protocol	ICP/OES
pH, 2:1 CaCl2 Extraction	INOR-93-6075	modified from EPA 9045D, MCKEAGUE 3.11 E3137	PC TITRATE
Sieve Analysis - 75 µm (retained)	INOR-93-6065	Modified from ASTM D1140-17	SIEVE
Sieve Analysis - 75 µm (passing)	INOR-93-6065	Modified from ASTM D1140-17	SIEVE

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Naphthalene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Acenaphthylene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Acenaphthene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Fluorene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Phenanthrene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Anthracene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Fluoranthene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Pyrene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(a)anthracene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Chrysene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(b)fluoranthene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(k)fluoranthene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(a)pyrene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Dibenz(a,h)anthracene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
2-and 1-methyl Naphthalene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Naphthalene-d8	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Acridine-d9	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Terphenyl-d14	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Dichlorodifluoromethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Vinyl Chloride	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Bromomethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Acetone	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Methylene Chloride	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Trans- 1,2-Dichloroethylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Methyl tert-butyl Ether	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Cis- 1,2-Dichloroethylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Chloroform	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Benzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Trichloroethylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Bromodichloromethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Toluene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Dibromochloromethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Chlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS

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Method Summary

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

AGAT WORK ORDER: 25T271206

PROJECT: G2S25044B

ATTENTION TO: Melissa King

SAMPLING SITE:Ottawa

SAMPLED BY:DB

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ethylbenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
m & p-Xylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Bromoform	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Styrene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,2,2-Tetrachloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,3-Dichloropropene (Cis + Trans)	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
n-Hexane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Toluene-d8	VOL-91-5002	modified from EPA 5035A & EPA 8260D	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5002	modified from EPA 5035A & EPA 8260D	(P&T)GC/MS

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Have feedback? Scan here for a quick survey!

5835 Coopers... Mississauga, Ontario L4Z 1Y2
...5100 Fax: 905.712.5122
5... ...ssissauga, ON L4Z 1N9
... Ottawa, ON. K2C 3R8
...webearth.agatlabs.com

Chain of Custody Record

If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (...consumed by humans)

Laboratory Use Only

Work Order #: 25T271206

Cooler Quantity: 4 Lg
Arrival Temperatures: Sea attached
Depot Temperatures:
Custody Seal Intact: ☐ Yes ☐ No ☒ N/A
Notes:

Report Information:

Company: G2S
Contact: Hailey Perras
Address: 4361 Harvester Rd - Unit 12
Burlington
Phone: 905 220 8587 Fax:
Reports to be sent to:
1. Email: stephaniel@g2sconsulting.com
2. Email: haileyp@g2sconsulting.com

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04 — Table 3 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture
Soil Texture (Check One): ☒ Coarse ☒ Fine
☐ Regulation 406 — Table (Indicate One) — ☐ Ind/Com ☐ Res/Park ☐ Agriculture
☐ Regulation 558
☐ CCME
☐ Sewer Use ☐ Sanitary ☐ Storm — Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other — Indicate One

Is this submission for a **Record of Site Condition (RSC)**? ☒ Yes ☐ No

Report Guideline on *Certificate of Analysis* ☒ Yes ☐ No

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*

For 'Same Day' analysis, please contact your AGAT CSR

Project Information:

Project: G2S25044B
Site Location: Ottawa
Sampled By: DB
AGAT Quote #: Standing Offer PO: G2S25044B
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☒ No ☐

Company:
Contact:
Address:
Email:

Legal Sample ☐

Sample Matrix Legend

GW	Ground Water	**SD**	Sediment
O	Oil	**SW**	Surface Water
P	Paint	**R**	Rock/Shale
S	Soil		

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC Y/N	O. Reg 153: Metals & Inorganics	Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Arocolors ☐	O. Reg 406: Regulation 406 Characterization Package	pH, Metals, BTEX, F1-F4	EC, SAR	Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 558	Corrosivity: ☐ Moisture ☐ Sulphide	PFAS Water: ☐ PFAS Soil: ☐	Grain Size	Potentially Hazardous or High Concentration (Y/N)
1. BH101 S2	04/07/25	AM/PM		S			X		X	X	X										X	
2. BH102 SiB	↓	AM/PM		↓					X	X												
3. BH102 S2		AM/PM					X				X											
4. BH105 S2		AM/PM					X		X	X	X											
5. BH110 S2		AM/PM							X	X	X											
6. BH111 S2	↓	AM/PM		↓			X															
7.		AM/PM																				
8.		AM/PM																				
9.		AM/PM																				
10.		AM/PM																				
11.		AM/PM																				

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Hailey Perras	04/14/25			Apr 14	3:55
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

Page 1 of 1

N°:

AGAT Laboratories

Sample Temperature Log

Client: GLS

COC# or Work Order #:

# of Coolers: 4 Lg

# of Submissions:

	Arrival Temperatures - Branch/Driver	Arrival Temperatures - Laboratory
Cooler #1:	5.6 / 5.8 / 6.0	/ /
Cooler #2:	6.2 / 6.9 / 7.0	/ /
Cooler #3:	7.3 / 7.4 / 8.3	/ /
Cooler #4:	6.1 / 6.2 / 5.5	/ /
Cooler #5:	/ /	/ /
Cooler #6:	/ /	/ /
Cooler #7:	/ /	/ /
Cooler #8	/ /	/ /
Cooler #9:	/ /	/ /
Cooler #10:	/ /	/ /

LI

IR Gun ID:

Taken By: Tiffany

Date (yyyy/mm/dd): 2025/04/14 **Time:** 4:00 AM / (PM)

IR Gun ID:

Taken By:

Date (yyyy/mm/dd): **Time:** : AM / PM

Instructions for use of this form: 1) complete all fields of info including total # of coolers and # of submissions rec'd, 2) photocopy and place in each submission prior to giving a WO#, 3) Proceed as normal, write the WO# and scan (please make sure to scan along with the COC)

AGAT Laboratories

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FAX (905)712-5122
http://www.agatlabs.com

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC
4361 HARVESTERROAD, UNIT 12
BURLINGTON, ON L7L 5M4
(905) 331-3735

ATTENTION TO: Hailey Perras

PROJECT: G2S25044B

AGAT WORK ORDER: 25T271207

TRACE ORGANICS REVIEWED BY: Pinkal Patel, Report Reviewer

WATER ANALYSIS REVIEWED BY: Yris Verastegui, Inorganic Team Lead

DATE REPORTED: Apr 24, 2025

PAGES (INCLUDING COVER): 26

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

*Notes

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines contained in this document.
- All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.
- This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

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Certificate of Analysis

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - PAHs (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

				SAMPLE DESCRIPTION:	MW103
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2025-04-10 12:00
Parameter	Unit	G / S	RDL		6658559
Naphthalene	µg/L	1400	0.20		<0.20
Acenaphthylene	µg/L	1.8	0.20		<0.20
Acenaphthene	µg/L	600	0.20		<0.20
Fluorene	µg/L	400	0.20		<0.20
Phenanthrene	µg/L	580	0.10		<0.10
Anthracene	µg/L	2.4	0.10		<0.10
Fluoranthene	µg/L	130	0.20		0.34
Pyrene	µg/L	68	0.20		0.33
Benzo(a)anthracene	µg/L	4.7	0.20		<0.20
Chrysene	µg/L	1	0.10		0.28
Benzo(b)fluoranthene	µg/L	0.75	0.10		0.22
Benzo(k)fluoranthene	µg/L	0.4	0.10		<0.10
Benzo(a)pyrene	µg/L	0.81	0.01		<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20		<0.20
Dibenz(a,h)anthracene	µg/L	0.52	0.20		<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20		<0.20
2-and 1-methyl Napthalene	µg/L	1800	0.20		<0.20
Sediment					3
Surrogate	Unit	Acceptable Limits			
Naphthalene-d8	%	50-140			103
Acridine-d9	%	50-140			70
Terphenyl-d14	%	50-140			104

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - PAHs (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6658559 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&(j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

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AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

				SAMPLE DESCRIPTION:	MW103
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2025-04-10 12:00
Parameter	Unit	G / S	RDL		6658559
F1 (C6 to C10)	µg/L	750	25		<25
F1 (C6 to C10) minus BTEX	µg/L	750	25		<25
F2 (C10 to C16)	µg/L	150	100		<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100
F3 (C16 to C34)	µg/L	500	100		<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100
F4 (C34 to C50)	µg/L	500	100		<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA
Sediment					3
Surrogate	Unit	Acceptable Limits			
Toluene-d8	%	50-140			104
Terphenyl	% Recovery	60-140			67

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Certificate of Analysis

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6658559 The C6-C10 fraction is calculated using toluene response factor.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amounts

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

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Certificate of Analysis

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - PHCs F1 - F4 (with VOC) (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

				SAMPLE DESCRIPTION:	F1	F2	F3	F5	F6	F7	MW101	MW104
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-10 12:00
Parameter	Unit	G / S	RDL		6658510	6658533	6658540	6658545	6658549	6658556	6658558	6658560
F1 (C6 to C10)	µg/L	750	25		<25	<25	<25	<25	<25	<25	<25	<25
F1 (C6 to C10) minus BTEX	µg/L	750	25		<25	<25	<25	<25	<25	<25	<25	<25
F2 (C10 to C16)	µg/L	150	100		<100	<100	<100	<100	<100	<100	<100	<100
F3 (C16 to C34)	µg/L	500	100		<100	<100	<100	<100	<100	<100	<100	<100
F4 (C34 to C50)	µg/L	500	100		<100	<100	<100	<100	<100	<100	<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA	NA	NA	NA	NA	NA	NA	NA
Sediment					1	1	1	1	1	3	3	1
Surrogate	Unit	Acceptable Limits										
Toluene-d8	%	50-140			109	114	103	95	105	99	103	106
Terphenyl	% Recovery	60-140			77	71	79	93	92	88	83	64

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6658510-6658560 The C6-C10 fraction is calculated using Toluene response factor.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and nC34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16 - C50 and are only determined if the chromatogram of the C34 - C50 Hydrocarbons indicated that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6-C50 results are corrected for BTEX contribution.
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC6 and nC10 response factors are within 30% of Toluene response factor.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.
Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153/04, results are considered valid without determining the PAH contribution if not requested by the client.
NA = Not Applicable

Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amounts

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

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Certificate of Analysis

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - VOCs (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

				SAMPLE DESCRIPTION:	Trip Blank
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2025-04-10 12:00
Parameter	Unit	G / S	RDL		6658561
Dichlorodifluoromethane	µg/L	4400	0.40		<0.40
Vinyl Chloride	µg/L	0.5	0.17		<0.17
Bromomethane	µg/L	5.6	0.20		<0.20
Trichlorofluoromethane	µg/L	2500	0.40		<0.40
Acetone	µg/L	130000	1.0		<1.0
1,1-Dichloroethylene	µg/L	1.6	0.30		<0.30
Methylene Chloride	µg/L	610	0.30		<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	0.20		<0.20
Methyl tert-butyl ether	µg/L	190	0.20		<0.20
1,1-Dichloroethane	µg/L	320	0.30		<0.30
Methyl Ethyl Ketone	µg/L	470000	1.0		<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	0.20		<0.20
Chloroform	µg/L	2.4	0.20		<0.20
1,2-Dichloroethane	µg/L	1.6	0.20		<0.20
1,1,1-Trichloroethane	µg/L	640	0.30		<0.30
Carbon Tetrachloride	µg/L	0.79	0.20		<0.20
Benzene	µg/L	44	0.20		<0.20
1,2-Dichloropropane	µg/L	16	0.20		<0.20
Trichloroethylene	µg/L	1.6	0.20		<0.20
Bromodichloromethane	µg/L	85000	0.20		<0.20
Methyl Isobutyl Ketone	µg/L	140000	1.0		<1.0
1,1,2-Trichloroethane	µg/L	4.7	0.20		<0.20
Toluene	µg/L	18000	0.20		<0.20
Dibromochloromethane	µg/L	82000	0.10		<0.10
Ethylene Dibromide	µg/L	0.25	0.10		<0.10
Tetrachloroethylene	µg/L	1.6	0.20		<0.20
1,1,1,2-Tetrachloroethane	µg/L	3.3	0.10		<0.10
Chlorobenzene	µg/L	630	0.10		<0.10
Ethylbenzene	µg/L	2300	0.10		<0.10

Certified By: Pinkal Patel

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - VOCs (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

				SAMPLE DESCRIPTION:	Trip Blank
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2025-04-10 12:00
Parameter	Unit	G / S	RDL	6658561	
m & p-Xylene	µg/L		0.20	<0.20	
Bromoform	µg/L	380	0.10	<0.10	
Styrene	µg/L	1300	0.10	<0.10	
1,1,2,2-Tetrachloroethane	µg/L	3.2	0.10	<0.10	
o-Xylene	µg/L		0.10	<0.10	
1,3-Dichlorobenzene	µg/L	9600	0.10	<0.10	
1,4-Dichlorobenzene	µg/L	8	0.10	<0.10	
1,2-Dichlorobenzene	µg/L	4600	0.10	<0.10	
1,3-Dichloropropene	µg/L	5.2	0.30	<0.30	
Xylenes (Total)	µg/L	4200	0.20	<0.20	
n-Hexane	µg/L	51	0.20	<0.20	
Surrogate	Unit	Acceptable Limits			
Toluene-d8	% Recovery	50-140		112	
4-Bromofluorobenzene	% Recovery	50-140		72	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6658561 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

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Certificate of Analysis

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - VOCs (with PHC) (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

		SAMPLE DESCRIPTION:		F1	F2	F3	F5	F6	F7	MW101	MW103
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-10 12:00
Parameter	Unit	G / S	RDL	6658510	6658533	6658540	6658545	6658549	6658556	6658558	6658559
Dichlorodifluoromethane	µg/L	4400	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	0.5	0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bromomethane	µg/L	5.6	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	2500	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	130000	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	1.6	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	610	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	190	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	320	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	470000	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	µg/L	2.4	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	2.54	1.13
1,2-Dichloroethane	µg/L	1.6	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	640	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	0.79	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	44	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	1.6	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	85000	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	140000	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	4.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	18000	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.24	<0.20
Dibromochloromethane	µg/L	82000	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	1.6	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	3.3	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	630	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2300	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Certified By: Pinkal Patel

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Certificate of Analysis

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - VOCs (with PHC) (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

				SAMPLE DESCRIPTION:	F1	F2	F3	F5	F6	F7	MW101	MW103
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-10 12:00
Parameter	Unit	G / S	RDL		6658510	6658533	6658540	6658545	6658549	6658556	6658558	6658559
m & p-Xylene	µg/L		0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.67	0.72
Bromoform	µg/L	380	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	1300	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	3.2	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	9600	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	8	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	4600	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	5.2	0.30		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	4200	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.67	0.72
n-Hexane	µg/L	51	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	Unit	Acceptable Limits										
Toluene-d8	% Recovery	50-140			109	114	103	95	105	99	103	104
4-Bromofluorobenzene	% Recovery	50-140			77	81	90	94	96	101	102	99

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - VOCs (with PHC) (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

		SAMPLE DESCRIPTION:		MW104
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2025-04-10 12:00
Parameter	Unit	G / S	RDL	6658560
Dichlorodifluoromethane	µg/L	4400	0.40	<0.40
Vinyl Chloride	µg/L	0.5	0.17	<0.17
Bromomethane	µg/L	5.6	0.20	<0.20
Trichlorofluoromethane	µg/L	2500	0.40	<0.40
Acetone	µg/L	130000	1.0	<1.0
1,1-Dichloroethylene	µg/L	1.6	0.30	<0.30
Methylene Chloride	µg/L	610	0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	0.20	1.44
Methyl tert-butyl ether	µg/L	190	0.20	<0.20
1,1-Dichloroethane	µg/L	320	0.30	<0.30
Methyl Ethyl Ketone	µg/L	470000	1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	0.20	1.08
Chloroform	µg/L	2.4	0.20	0.84
1,2-Dichloroethane	µg/L	1.6	0.20	<0.20
1,1,1-Trichloroethane	µg/L	640	0.30	<0.30
Carbon Tetrachloride	µg/L	0.79	0.20	<0.20
Benzene	µg/L	44	0.20	<0.20
1,2-Dichloropropane	µg/L	16	0.20	<0.20
Trichloroethylene	µg/L	1.6	0.20	0.32
Bromodichloromethane	µg/L	85000	0.20	<0.20
Methyl Isobutyl Ketone	µg/L	140000	1.0	<1.0
1,1,2-Trichloroethane	µg/L	4.7	0.20	<0.20
Toluene	µg/L	18000	0.20	<0.20
Dibromochloromethane	µg/L	82000	0.10	<0.10
Ethylene Dibromide	µg/L	0.25	0.10	<0.10
Tetrachloroethylene	µg/L	1.6	0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	3.3	0.10	<0.10
Chlorobenzene	µg/L	630	0.10	<0.10
Ethylbenzene	µg/L	2300	0.10	<0.10

Certified By: Jinkal Patel

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Certificate of Analysis

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - VOCs (with PHC) (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

				SAMPLE DESCRIPTION:	MW104
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2025-04-10 12:00
Parameter	Unit	G / S	RDL		6658560
m & p-Xylene	µg/L		0.20		0.25
Bromoform	µg/L	380	0.10		<0.10
Styrene	µg/L	1300	0.10		<0.10
1,1,2,2-Tetrachloroethane	µg/L	3.2	0.10		<0.10
o-Xylene	µg/L		0.10		<0.10
1,3-Dichlorobenzene	µg/L	9600	0.10		<0.10
1,4-Dichlorobenzene	µg/L	8	0.10		<0.10
1,2-Dichlorobenzene	µg/L	4600	0.10		<0.10
1,3-Dichloropropene	µg/L	5.2	0.30		<0.30
Xylenes (Total)	µg/L	4200	0.20		0.25
n-Hexane	µg/L	51	0.20		<0.20
Surrogate	Unit	Acceptable Limits			
Toluene-d8	% Recovery	50-140			106
4-Bromofluorobenzene	% Recovery	50-140			92

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6658510-6658560 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

AGAT Laboratories

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AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

Mercury Analysis in Water (Dissolved)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

				SAMPLE DESCRIPTION:	F1	F2	F3	F6	F7	MW101	MW103	MW104
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-10 12:00	2025-04-10 12:00
Parameter	Unit	G / S	RDL		6658510	6658533	6658540	6658549	6658556	6658558	6658559	6658560
Dissolved Mercury	ug/L	0.29	0.026		<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

Analysis performed at AGAT Halifax (unless marked by *)

Certified By: Iris Verástegui

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Certificate of Analysis

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - Metals & Inorganics (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

SAMPLE DESCRIPTION:				F2	F3	F6	F7	MW101		MW103	MW104
SAMPLE TYPE:				Water	Water	Water	Water	Water		Water	Water
DATE SAMPLED:				2025-04-08	2025-04-08	2025-04-08	2025-04-08	2025-04-08		2025-04-10 12:00	2025-04-10 12:00
Parameter	Unit	G / S	RDL	6658533	6658540	6658549	6658556	6658558	RDL	6658559	6658560
Dissolved Antimony	µg/L		1.0	<1.0	<1.0	<1.0	<1.0	1.5	1.0	1.3	1.0
Dissolved Arsenic	µg/L		1.0	1.1	<1.0	<1.0	<1.0	1.5	1.0	<1.0	1.1
Dissolved Barium	µg/L		2.0	376	46.6	115	94.7	562	2.0	128	120
Dissolved Beryllium	µg/L		0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	<0.50
Dissolved Boron	µg/L		10.0	170	640	213	195	166	10.0	193	185
Dissolved Cadmium	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	<0.20	<0.20
Dissolved Chromium	µg/L		2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	<2.0	11.6
Dissolved Cobalt	µg/L		0.50	0.78	0.52	<0.50	<0.50	8.82	0.50	3.98	2.15
Dissolved Copper	µg/L		1.0	5.1	<1.0	1.2	<1.0	2.9	1.0	<1.0	3.3
Dissolved Lead	µg/L		0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	0.77
Dissolved Molybdenum	µg/L		0.50	9.98	10.4	30.8	31.9	12.8	0.50	54.9	74.2
Dissolved Nickel	µg/L		1.0	8.2	4.8	1.7	1.9	12.1	1.0	7.4	11.1
Dissolved Selenium	µg/L		1.0	1.3	3.5	2.1	3.0	3.8	1.0	3.5	5.9
Dissolved Silver	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	<0.20	<0.20
Dissolved Thallium	µg/L		0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	<0.30	<0.30
Dissolved Uranium	µg/L		0.50	4.24	2.80	3.21	4.03	7.04	0.50	6.12	12.3
Dissolved Vanadium	µg/L		0.40	0.50	<0.40	0.66	0.49	0.98	0.40	0.55	0.61
Dissolved Zinc	µg/L		5.0	<5.0	<5.0	5.3	<5.0	7.1	5.0	<5.0	<5.0
Chromium VI	µg/L		2.000	<2.000	<2.000	<2.000	<2.000	<2.000	2.000	<2.000	<2.000
Cyanide, WAD	µg/L		2	<2	<2	<2	<2	<2	2	<2	<2
Dissolved Sodium	µg/L		500	3730000	2160000	2060000	1980000	3740000	500	1800000	1020000
Chloride	µg/L		244	5740000	2510000	2860000	3040000	4590000	122	2340000	1480000
pH	pH Units		NA	7.67	7.49	7.72	7.78	7.68	NA	7.62	7.45

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

6658533-6658560 Metals analysis completed on a filtered sample.
pH is a recommended field analysis taken within 15 minutes of sample collection. Due to the potential for rapid change in sample equilibrium chemistry laboratory results may differ from field measured results
Dilution required, RDL has been increased accordingly.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Iris Verástegui

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

O. Reg. 153(511) - Metals & Inorganics (Water) - Lab Filtered

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-04-24

		SAMPLE DESCRIPTION:		F1
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2025-04-08
Parameter	Unit	G / S	RDL	6658510
Dissolved Antimony	µg/L	20000	1.0	<1.0
Dissolved Arsenic	µg/L	1900	1.0	<1.0
Dissolved Barium	µg/L	29000	2.0	142
Dissolved Beryllium	µg/L	67	0.50	<0.50
Dissolved Boron	µg/L	45000	10.0	148
Dissolved Cadmium	µg/L	2.7	0.20	<0.20
Dissolved Chromium	µg/L	810	2.0	<2.0
Dissolved Cobalt	µg/L	66	0.50	<0.50
Dissolved Copper	µg/L	87	1.0	2.0
Dissolved Lead	µg/L	25	0.50	0.76
Dissolved Molybdenum	µg/L	9200	0.50	5.06
Dissolved Nickel	µg/L	490	1.0	4.9
Dissolved Selenium	µg/L	63	1.0	3.9
Dissolved Silver	µg/L	1.5	0.20	<0.20
Dissolved Thallium	µg/L	510	0.30	<0.30
Dissolved Uranium	µg/L	420	0.50	1.28
Dissolved Vanadium	µg/L	250	0.40	4.96
Dissolved Zinc	µg/L	1100	5.0	<5.0
Chromium VI	µg/L	140	2.000	<2.000
Cyanide, WAD	µg/L	66	2	<2
Dissolved Sodium	µg/L	2300000	500	1560000
Chloride	µg/L	2300000	122	2290000
pH	pH Units		NA	7.97
Lab Filtration Performed				1

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6658510 Metals analysis completed on a lab filtered sample.
Dilution required, RDL has been increased accordingly.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Iris Verástegui

AGAT Laboratories

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Exceedance Summary

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Hailey Perras

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
6658558	MW101	ON T3 NPGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Chloroform	µg/L	2.4	2.54

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Quality Assurance

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC
AGAT WORK ORDER: 25T271207
PROJECT: G2S25044B
ATTENTION TO: Hailey Perras
SAMPLING SITE:Ottawa
SAMPLED BY:DB

Trace Organics Analysis

RPT Date: Apr 24, 2025			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with VOC) (Water)															
F1 (C6 to C10)	6601806		<25	<25	NA	< 25	117%	60%	140%	99%	60%	140%	62%	60%	140%
F2 (C10 to C16)	6670664		< 100	< 100	NA	< 100	89%	60%	140%	70%	60%	140%	83%	60%	140%
F3 (C16 to C34)	6670664		< 100	< 100	NA	< 100	92%	60%	140%	74%	60%	140%	99%	60%	140%
F4 (C34 to C50)	6670664		< 100	< 100	NA	< 100	73%	60%	140%	90%	60%	140%	90%	60%	140%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	6658560	6658560	<0.40	<0.40	NA	< 0.40	80%	50%	140%	63%	50%	140%	72%	50%	140%
Vinyl Chloride	6658560	6658560	<0.17	<0.17	NA	< 0.17	113%	50%	140%	75%	50%	140%	78%	50%	140%
Bromomethane	6658560	6658560	<0.20	<0.20	NA	< 0.20	119%	50%	140%	60%	50%	140%	70%	50%	140%
Trichlorofluoromethane	6658560	6658560	<0.40	<0.40	NA	< 0.40	67%	50%	140%	60%	50%	140%	63%	50%	140%
Acetone	6658560	6658560	<1.0	<1.0	NA	< 1.0	75%	50%	140%	127%	50%	140%	93%	50%	140%
1,1-Dichloroethylene	6658560	6658560	<0.30	<0.30	NA	< 0.30	85%	50%	140%	90%	60%	130%	119%	50%	140%
Methylene Chloride	6658560	6658560	<0.30	<0.30	NA	< 0.30	78%	50%	140%	101%	60%	130%	81%	50%	140%
trans- 1,2-Dichloroethylene	6658560	6658560	1.44	1.45	0.7%	< 0.20	91%	50%	140%	110%	60%	130%	95%	50%	140%
Methyl tert-butyl ether	6658560	6658560	<0.20	<0.20	NA	< 0.20	89%	50%	140%	103%	60%	130%	81%	50%	140%
1,1-Dichloroethane	6658560	6658560	<0.30	<0.30	NA	< 0.30	94%	50%	140%	95%	60%	130%	97%	50%	140%
Methyl Ethyl Ketone	6658560	6658560	<1.0	<1.0	NA	< 1.0	95%	50%	140%	98%	50%	140%	110%	50%	140%
cis- 1,2-Dichloroethylene	6658560	6658560	1.08	0.97	NA	< 0.20	89%	50%	140%	67%	60%	130%	82%	50%	140%
Chloroform	6658560	6658560	0.84	0.79	NA	< 0.20	86%	50%	140%	105%	60%	130%	88%	50%	140%
1,2-Dichloroethane	6658560	6658560	<0.20	<0.20	NA	< 0.20	101%	50%	140%	94%	60%	130%	109%	50%	140%
1,1,1-Trichloroethane	6658560	6658560	<0.30	<0.30	NA	< 0.30	115%	50%	140%	116%	60%	130%	94%	50%	140%
Carbon Tetrachloride	6658560	6658560	<0.20	<0.20	NA	< 0.20	68%	50%	140%	83%	60%	130%	81%	50%	140%
Benzene	6658560	6658560	<0.20	<0.20	NA	< 0.20	97%	50%	140%	112%	60%	130%	83%	50%	140%
1,2-Dichloropropane	6658560	6658560	<0.20	<0.20	NA	< 0.20	81%	50%	140%	97%	60%	130%	99%	50%	140%
Trichloroethylene	6658560	6658560	0.32	0.32	NA	< 0.20	79%	50%	140%	108%	60%	130%	89%	50%	140%
Bromodichloromethane	6658560	6658560	<0.20	<0.20	NA	< 0.20	96%	50%	140%	91%	60%	130%	111%	50%	140%
Methyl Isobutyl Ketone	6658560	6658560	<1.0	<1.0	NA	< 1.0	96%	50%	140%	136%	50%	140%	80%	50%	140%
1,1,2-Trichloroethane	6658560	6658560	<0.20	<0.20	NA	< 0.20	106%	50%	140%	96%	60%	130%	113%	50%	140%
Toluene	6658560	6658560	<0.20	<0.20	NA	< 0.20	101%	50%	140%	84%	60%	130%	105%	50%	140%
Dibromochloromethane	6658560	6658560	<0.10	<0.10	NA	< 0.10	110%	50%	140%	100%	60%	130%	108%	50%	140%
Ethylene Dibromide	6658560	6658560	<0.10	<0.10	NA	< 0.10	112%	50%	140%	97%	60%	130%	81%	50%	140%
Tetrachloroethylene	6658560	6658560	<0.20	<0.20	NA	< 0.20	57%	50%	140%	84%	60%	130%	101%	50%	140%
1,1,1,2-Tetrachloroethane	6658560	6658560	<0.10	<0.10	NA	< 0.10	116%	50%	140%	87%	60%	130%	83%	50%	140%
Chlorobenzene	6658560	6658560	<0.10	<0.10	NA	< 0.10	85%	50%	140%	89%	60%	130%	104%	50%	140%
Ethylbenzene	6658560	6658560	<0.10	<0.10	NA	< 0.10	81%	50%	140%	82%	60%	130%	103%	50%	140%
m & p-Xylene	6658560	6658560	<0.20	<0.20	NA	< 0.20	95%	50%	140%	99%	60%	130%	100%	50%	140%
Bromoform	6658560	6658560	<0.10	<0.10	NA	< 0.10	82%	50%	140%	89%	60%	130%	96%	50%	140%
Styrene	6658560	6658560	<0.10	<0.10	NA	< 0.10	95%	50%	140%	91%	60%	130%	82%	50%	140%
1,1,2,2-Tetrachloroethane	6658560	6658560	<0.10	<0.10	NA	< 0.10	119%	50%	140%	94%	60%	130%	66%	50%	140%
o-Xylene	6658560	6658560	<0.10	<0.10	NA	< 0.10	95%	50%	140%	82%	60%	130%	87%	50%	140%

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Quality Assurance

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC
AGAT WORK ORDER: 25T271207
PROJECT: G2S25044B
ATTENTION TO: Hailey Perras
SAMPLING SITE:Ottawa
SAMPLED BY:DB

Trace Organics Analysis (Continued)

RPT Date: Apr 24, 2025			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,3-Dichlorobenzene	6658560	6658560	<0.10	<0.10	NA	< 0.10	78%	50%	140%	101%	60%	130%	81%	50%	140%
1,4-Dichlorobenzene	6658560	6658560	<0.10	<0.10	NA	< 0.10	85%	50%	140%	112%	60%	130%	87%	50%	140%
1,2-Dichlorobenzene	6658560	6658560	<0.10	<0.10	NA	< 0.10	99%	50%	140%	90%	60%	130%	64%	50%	140%
n-Hexane	6658560	6658560	<0.20	<0.20	NA	< 0.20	101%	50%	140%	103%	60%	130%	85%	50%	140%
O. Reg. 153(511) - PAHs (Water)															
Naphthalene	6658569		<0.20	<0.20	NA	< 0.20	121%	50%	140%	111%	50%	140%	123%	50%	140%
Acenaphthylene	6658569		<0.20	<0.20	NA	< 0.20	106%	50%	140%	117%	50%	140%	104%	50%	140%
Acenaphthene	6658569		<0.20	<0.20	NA	< 0.20	111%	50%	140%	109%	50%	140%	109%	50%	140%
Fluorene	6658569		<0.20	<0.20	NA	< 0.20	110%	50%	140%	111%	50%	140%	110%	50%	140%
Phenanthrene	6658569		<0.10	<0.10	NA	< 0.10	116%	50%	140%	117%	50%	140%	114%	50%	140%
Anthracene	6658569		<0.10	<0.10	NA	< 0.10	113%	50%	140%	90%	50%	140%	77%	50%	140%
Fluoranthene	6658569		<0.20	<0.20	NA	< 0.20	122%	50%	140%	119%	50%	140%	109%	50%	140%
Pyrene	6658569		<0.20	<0.20	NA	< 0.20	122%	50%	140%	123%	50%	140%	105%	50%	140%
Benzo(a)anthracene	6658569		<0.20	<0.20	NA	< 0.20	106%	50%	140%	108%	50%	140%	108%	50%	140%
Chrysene	6658569		<0.10	<0.10	NA	< 0.10	109%	50%	140%	90%	50%	140%	109%	50%	140%
Benzo(b)fluoranthene	6658569		<0.10	<0.10	NA	< 0.10	77%	50%	140%	98%	50%	140%	85%	50%	140%
Benzo(k)fluoranthene	6658569		<0.10	<0.10	NA	< 0.10	110%	50%	140%	116%	50%	140%	98%	50%	140%
Benzo(a)pyrene	6658569		<0.01	<0.01	NA	< 0.01	97%	50%	140%	106%	50%	140%	86%	50%	140%
Indeno(1,2,3-cd)pyrene	6658569		<0.20	<0.20	NA	< 0.20	67%	50%	140%	80%	50%	140%	94%	50%	140%
Dibenz(a,h)anthracene	6658569		<0.20	<0.20	NA	< 0.20	79%	50%	140%	85%	50%	140%	76%	50%	140%
Benzo(g,h,i)perylene	6658569		<0.20	<0.20	NA	< 0.20	72%	50%	140%	85%	50%	140%	75%	50%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Certified By: Jinkal Patel

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Quality Assurance

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

Water Analysis

RPT Date: Apr 24, 2025			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Water) - Lab Filtered															
Dissolved Antimony	6662984		<1.0	<1.0	NA	< 1.0	101%	70%	130%	101%	80%	120%	104%	70%	130%
Dissolved Arsenic	6662984		<1.0	<1.0	NA	< 1.0	98%	70%	130%	97%	80%	120%	103%	70%	130%
Dissolved Barium	6662984		55.4	55.2	0.4%	< 2.0	99%	70%	130%	101%	80%	120%	112%	70%	130%
Dissolved Beryllium	6662984		<0.50	<0.50	NA	< 0.50	97%	70%	130%	109%	80%	120%	100%	70%	130%
Dissolved Boron	6662984		487	500	2.6%	< 10.0	97%	70%	130%	112%	80%	120%	102%	70%	130%
Dissolved Cadmium	6662984		<0.20	<0.20	NA	< 0.20	100%	70%	130%	99%	80%	120%	105%	70%	130%
Dissolved Chromium	6662984		<2.0	<2.0	NA	< 2.0	100%	70%	130%	101%	80%	120%	107%	70%	130%
Dissolved Cobalt	6662984		1.05	1.22	NA	< 0.50	102%	70%	130%	99%	80%	120%	103%	70%	130%
Dissolved Copper	6662984		2.0	2.4	NA	< 1.0	101%	70%	130%	98%	80%	120%	97%	70%	130%
Dissolved Lead	6662984		<0.50	<0.50	NA	< 0.50	97%	70%	130%	92%	80%	120%	90%	70%	130%
Dissolved Molybdenum	6662984		13.7	15.0	9.1%	< 0.50	102%	70%	130%	107%	80%	120%	119%	70%	130%
Dissolved Nickel	6662984		2.9	3.4	NA	< 1.0	101%	70%	130%	97%	80%	120%	100%	70%	130%
Dissolved Selenium	6662984		2.1	4.8	NA	< 1.0	101%	70%	130%	96%	80%	120%	100%	70%	130%
Dissolved Silver	6662984		<0.20	<0.20	NA	< 0.20	100%	70%	130%	96%	80%	120%	99%	70%	130%
Dissolved Thallium	6662984		<0.30	<0.30	NA	< 0.30	97%	70%	130%	93%	80%	120%	91%	70%	130%
Dissolved Uranium	6662984		2.89	3.00	3.7%	< 0.50	101%	70%	130%	93%	80%	120%	96%	70%	130%
Dissolved Vanadium	6662984		<0.40	<0.40	NA	< 0.40	103%	70%	130%	108%	80%	120%	115%	70%	130%
Dissolved Zinc	6662984		12.3	12.7	NA	< 5.0	102%	70%	130%	101%	80%	120%	99%	70%	130%
Chromium VI	6658564		<2.000	<2.000	NA	< 2	99%	70%	130%	106%	80%	120%	98%	70%	130%
Cyanide, WAD	6662984		<2	<2	NA	< 2	97%	70%	130%	96%	80%	120%	98%	70%	130%
Dissolved Sodium	6662984		105000	104000	1.0%	< 50	100%	70%	130%	102%	80%	120%	98%	70%	130%
Chloride	6660813		161000	161000	0.0%	< 100	97%	70%	130%	100%	80%	120%	NA	70%	130%
pH	6658564		7.16	7.25	1.2%	NA	100%	90%	110%						
O. Reg. 153(511) - Metals & Inorganics (Water)															
Dissolved Antimony	6658533	6658533	<1.0	<1.0	NA	< 1.0	101%	70%	130%	98%	80%	120%	99%	70%	130%
Dissolved Arsenic	6658533	6658533	1.1	<1.0	NA	< 1.0	98%	70%	130%	94%	80%	120%	107%	70%	130%
Dissolved Barium	6658533	6658533	376	373	0.8%	< 2.0	100%	70%	130%	98%	80%	120%	98%	70%	130%
Dissolved Beryllium	6658533	6658533	<0.50	<0.50	NA	< 0.50	99%	70%	130%	94%	80%	120%	109%	70%	130%
Dissolved Boron	6658533	6658533	170	165	3.0%	< 10.0	100%	70%	130%	99%	80%	120%	111%	70%	130%
Dissolved Cadmium	6658533	6658533	<0.20	<0.20	NA	< 0.20	100%	70%	130%	94%	80%	120%	94%	70%	130%
Dissolved Chromium	6658533	6658533	<2.0	<2.0	NA	< 2.0	100%	70%	130%	97%	80%	120%	115%	70%	130%
Dissolved Cobalt	6658533	6658533	0.78	0.77	NA	< 0.50	97%	70%	130%	97%	80%	120%	110%	70%	130%
Dissolved Copper	6658533	6658533	5.1	5.1	0.0%	< 1.0	100%	70%	130%	96%	80%	120%	98%	70%	130%
Dissolved Lead	6658533	6658533	<0.50	<0.50	NA	< 0.50	94%	70%	130%	91%	80%	120%	77%	70%	130%
Dissolved Molybdenum	6658533	6658533	9.98	11.5	14.2%	< 0.50	101%	70%	130%	101%	80%	120%	120%	70%	130%
Dissolved Nickel	6658533	6658533	8.2	8.9	8.2%	< 1.0	94%	70%	130%	95%	80%	120%	102%	70%	130%
Dissolved Selenium	6658533	6658533	1.3	<1.0	NA	< 1.0	103%	70%	130%	93%	80%	120%	97%	70%	130%
Dissolved Silver	6658533	6658533	0.44	<0.20	NA	< 0.20	97%	70%	130%	96%	80%	120%	91%	70%	130%

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Quality Assurance

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

Water Analysis (Continued)

RPT Date: Apr 24, 2025			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Dissolved Thallium	6658533	6658533	<0.30	<0.30	NA	< 0.30	98%	70%	130%	94%	80%	120%	86%	70%	130%
Dissolved Uranium	6658533	6658533	4.24	4.31	1.6%	< 0.50	95%	70%	130%	91%	80%	120%	93%	70%	130%
Dissolved Vanadium	6658533	6658533	0.50	0.64	NA	< 0.40	97%	70%	130%	100%	80%	120%	129%	70%	130%
Dissolved Zinc	6658533	6658533	<5.0	5.6	NA	< 5.0	100%	70%	130%	93%	80%	120%	94%	70%	130%
Chromium VI	6658564		<2.000	<2.000	NA	< 2	99%	70%	130%	106%	80%	120%	98%	70%	130%
Cyanide, WAD	6662984		<2	<2	NA	< 2	97%	70%	130%	96%	80%	120%	98%	70%	130%
Dissolved Sodium	6662984		105000	104000	1.0%	< 50	100%	70%	130%	102%	80%	120%	98%	70%	130%
Chloride	6660813		161000	161000	0.0%	< 100	97%	70%	130%	100%	80%	120%	NA	70%	130%
pH	6658564		7.16	7.25	1.2%	NA	100%	90%	110%						

Comments: NA signifies Not Applicable.
Duplicate NA: results are under 5X the RDL and will not be calculated.
Matrix spike NA: Spike level < native concentration. Matrix spike acceptance limits do not apply and are not calculated.

Mercury Analysis in Water (Dissolved)

Dissolved Mercury	6647657		<0.026	<0.026	NA	< 0.026	87%	80%	120%	97%	80%	120%	88%	70%	130%

Comments: If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Certified By: Iris Verástegui

AGAT Laboratories

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Method Summary

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Naphthalene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Acenaphthylene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Acenaphthene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Fluorene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Phenanthrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Anthracene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Fluoranthene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Pyrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(a)anthracene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Chrysene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(b)fluoranthene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(k)fluoranthene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(a)pyrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Dibenz(a,h)anthracene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
2-and 1-methyl Napthalene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Naphthalene-d8	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Acridine-d9	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Terphenyl-d14	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Sediment			N/A
F1 (C6 to C10)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID

AGAT Laboratories

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Method Summary

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Vinyl Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromomethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Acetone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methylene Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
trans- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl tert-butyl ether	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
cis- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chloroform	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Benzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromodichloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Toluene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Dibromochloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

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Method Summary

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ethylbenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
m & p-Xylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromoform	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Styrene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,2,2-Tetrachloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,3-Dichloropropene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
n-Hexane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Toluene-d8	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

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Method Summary

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

AGAT WORK ORDER: 25T271207

PROJECT: G2S25044B

ATTENTION TO: Hailey Perras

SAMPLING SITE:Ottawa

SAMPLED BY:DB

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Mercury	MET-121-6100 & MET-121-6107	SM 3112 B	CV/AA
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Chromium VI	INOR-93-6073	modified from SM 3500-CR B	LACHAT FIA
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015, SM 4500-CN- I, G-387	SEGMENTED FLOW ANALYSIS
Dissolved Sodium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP/MS
Chloride	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
pH	INOR-93-6000	modified from SM 4500-H+ B	PC TITRATE
Lab Filtration Performed			FILTRATION

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Have feedback? Scan here for a quick survey!

5835 Coop... Mississauga, Ontario L4Z 1Y2
...5100 Fax: 905.712.5122
...Mississauga, ON L4Z 1N9
...e, Ottawa, ON, K2C 3R8
webearth.agatlabs.com

Chain of Custody Record

If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form ... consumed by humans)

Laboratory Use Only

Work Order #: 25T271207

Cooler Quantity: 4 Large
Arrival Temperatures: see attached
Depot Temperatures: | |
Custody Seal Intact: ☐ Yes ☐ No ☒ N/A
Notes: L Lt

Report Information:

Company: G2S
Contact: Hailey Perras
Address: 4361 Harvester Rd - Unit 12
Burlington
Phone: 905 220 8587 Fax:
Reports to be sent to:
1. Email: stephaniel@g2sconsulting.com
2. Email: haileyp@g2sconsulting.com

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 3 *Indicate One*
☐ Ind/Com
☒ Res/Park
☐ Agriculture

Soil Texture *(Check One)*
☐ Coarse
☐ Fine

☐ Regulation 406
Table *Indicate One*
☐ Ind/Com
☐ Res/Park
☐ Agriculture

☐ Regulation 558
☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
Region

☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

Is this submission for a **Record of Site Condition (RSC)**? ☒ Yes ☐ No

Report Guideline on *Certificate of Analysis* ☒ Yes ☐ No

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*

For 'Same Day' analysis, please contact your AGAT CSR

Project Information:

Project: G2S25044B
Site Location: Ottawa
Sampled By: DB
AGAT Quote #: Standing offer PO: G2S25044B
Please note: If quotation number is not provided, client will be billed full price for analysis.

Legal Sample ☐

Invoice Information:

Bill To Same: Yes ☒ No ☐

Company:
Contact:
Address:
Email:

Sample Matrix Legend

GW	Ground Water	SD	Sediment
O	Oil	SW	Surface Water
P	Paint	R	Rock/Shale
S	Soil		

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4	EC, SAR	Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	Corrosivity: ☐ Moisture ☐ Sulphide	PFAS Water: ☐ PFAS Soil: ☐	Potentially Hazardous or High Concentration (Y/N)
1. F1		AM PM	15	GW	*Hold PAH, PCB	N	X		X	X	X	X							
2. F2		AM PM	↓	↓	x ↓	Y	X		X	X	X	X							
3. F3		AM PM				Y	X		X	X	X	X							
4. F5		AM PM				Y			X	X	X	X							
5. F6		AM PM				Y	X		X	X	X	X							
6. F7		AM PM			↓	Y	X		X	X	X	X							
7. MW101		AM PM			*Hold PCB	Y	X		X	X	X	X							
8. MW103		AM PM				Y	X		X	X	X	X							
9. MW104		AM PM	↓		*Hold PAH, PCB	Y	X		X	X	X	X							
10. Trip Blank		AM PM	3	↓						X									
11.		AM PM																	

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
[signature] Hailey Perras	04/14/25		[signature]	Apr 14	3:55pm
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

Page 1 of 1

Nº:

AGAT Laboratories

Sample Temperature Log

Client: GLS

COC# or Work Order #:

# of Coolers: 4 Lg

# of Submissions:

	Arrival Temperatures - Branch/Driver	Arrival Temperatures - Laboratory
Cooler #1:	5.6 / 5.8 / 6.0	/ /
Cooler #2:	6.2 / 6.9 / 7.0	/ /
Cooler #3:	7.3 / 7.4 / 8.3	/ /
Cooler #4:	6.1 / 6.2 / 5.5	/ /
Cooler #5:	/ /	/ /
Cooler #6:	/ /	/ /
Cooler #7:	/ /	/ /
Cooler #8	/ /	/ /
Cooler #9:	/ /	/ /
Cooler #10:	/ /	/ /

LI

IR Gun ID:

Taken By: Tiffany M

Date (yyyy/mm/dd): 2025/04/14 **Time:** 4:00 AM / (PM)

IR Gun ID:

Taken By:

Date (yyyy/mm/dd): **Time:** : AM / PM

Instructions for use of this form: 1) complete all fields of info including total # of coolers and # of submissions rec'd, 2) photocopy and place in each submission prior to giving a WO#, 3) Proceed as normal, write the WO# and scan (please make sure to scan along with the COC)

AGAT Laboratories

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CANADA L4Z 1Y2
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FAX (905)712-5122
http://www.agatlabs.com

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS
37 SANDIFORD DRIVE, SUITE 411
STOUFFVILLE, ON L4A7X5
(905) 766-4054

ATTENTION TO: Stephanie Lewis

PROJECT: G2S25044B

AGAT WORK ORDER: 25Z271095

TRACE ORGANICS REVIEWED BY: Pinkal Patel, Report Reviewer

WATER ANALYSIS REVIEWED BY: Amanjot Bhela, Lab Operation Manager

DATE REPORTED: May 23, 2025

PAGES (INCLUDING COVER): 18

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

*Notes

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.

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Certificate of Analysis

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

O. Reg. 153(511) - PAHs (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-23

				SAMPLE DESCRIPTION:	MW106
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2025-04-14 07:45
Parameter	Unit	G / S	RDL		6659231
Naphthalene	µg/L	1400	0.20		<0.20
Acenaphthylene	µg/L	1.8	0.20		<0.20
Acenaphthene	µg/L	600	0.20		<0.20
Fluorene	µg/L	400	0.20		<0.20
Phenanthrene	µg/L	580	0.10		<0.10
Anthracene	µg/L	2.4	0.10		<0.10
Fluoranthene	µg/L	130	0.20		<0.20
Pyrene	µg/L	68	0.20		<0.20
Benzo(a)anthracene	µg/L	4.7	0.20		<0.20
Chrysene	µg/L	1	0.10		<0.10
Benzo(b)fluoranthene	µg/L	0.75	0.10		<0.10
Benzo(k)fluoranthene	µg/L	0.4	0.10		<0.10
Benzo(a)pyrene	µg/L	0.81	0.01		<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20		<0.20
Dibenz(a,h)anthracene	µg/L	0.52	0.20		<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20		<0.20
2-and 1-methyl Napthalene	µg/L	1800	0.20		<0.20
Sediment					1
Surrogate	Unit	Acceptable Limits			
Naphthalene-d8	%	50-140			99
Acridine-d9	%	50-140			73
Terphenyl-d14	%	50-140			104

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON T3 NPGW CT
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6659231 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&(j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-23

				SAMPLE DESCRIPTION:	MW106
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2025-04-14 07:45
Parameter	Unit	G / S	RDL		6659231
F1 (C6 to C10)	µg/L	750	25		<25
F1 (C6 to C10) minus BTEX	µg/L	750	25		<25
F2 (C10 to C16)	µg/L	150	100		<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100
F3 (C16 to C34)	µg/L	500	100		<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100
F4 (C34 to C50)	µg/L	500	100		<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA
Sediment					1
Surrogate	Unit	Acceptable Limits			
Toluene-d8	%	50-140			106
Terphenyl	% Recovery	60-140			66

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON T3 NPGW CT
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6659231 The C6-C10 fraction is calculated using toluene response factor.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amounts

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Pinkal Patel

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

O. Reg. 153(511) - VOCs (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-23

				SAMPLE DESCRIPTION:	Trip Blank
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2025-04-14 07:45
Parameter	Unit	G / S	RDL		6659254
Dichlorodifluoromethane	µg/L	4400	0.40		<0.40
Vinyl Chloride	µg/L	0.5	0.17		<0.17
Bromomethane	µg/L	5.6	0.20		<0.20
Trichlorofluoromethane	µg/L	2500	0.40		<0.40
Acetone	µg/L	130000	1.0		<1.0
1,1-Dichloroethylene	µg/L	1.6	0.30		<0.30
Methylene Chloride	µg/L	610	0.30		<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	0.20		<0.20
Methyl tert-butyl ether	µg/L	190	0.20		<0.20
1,1-Dichloroethane	µg/L	320	0.30		<0.30
Methyl Ethyl Ketone	µg/L	470000	1.0		<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	0.20		<0.20
Chloroform	µg/L	2.4	0.20		<0.20
1,2-Dichloroethane	µg/L	1.6	0.20		<0.20
1,1,1-Trichloroethane	µg/L	640	0.30		<0.30
Carbon Tetrachloride	µg/L	0.79	0.20		<0.20
Benzene	µg/L	44	0.20		<0.20
1,2-Dichloropropane	µg/L	16	0.20		<0.20
Trichloroethylene	µg/L	1.6	0.20		<0.20
Bromodichloromethane	µg/L	85000	0.20		<0.20
Methyl Isobutyl Ketone	µg/L	140000	1.0		<1.0
1,1,2-Trichloroethane	µg/L	4.7	0.20		<0.20
Toluene	µg/L	18000	0.20		<0.20
Dibromochloromethane	µg/L	82000	0.10		<0.10
Ethylene Dibromide	µg/L	0.25	0.10		<0.10
Tetrachloroethylene	µg/L	1.6	0.20		<0.20
1,1,1,2-Tetrachloroethane	µg/L	3.3	0.10		<0.10
Chlorobenzene	µg/L	630	0.10		<0.10
Ethylbenzene	µg/L	2300	0.10		<0.10

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

O. Reg. 153(511) - VOCs (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-23

				SAMPLE DESCRIPTION:	Trip Blank
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2025-04-14 07:45
Parameter	Unit	G / S	RDL		6659254
m & p-Xylene	µg/L		0.20		<0.20
Bromoform	µg/L	380	0.10		<0.10
Styrene	µg/L	1300	0.10		<0.10
1,1,2,2-Tetrachloroethane	µg/L	3.2	0.10		<0.10
o-Xylene	µg/L		0.10		<0.10
1,3-Dichlorobenzene	µg/L	9600	0.10		<0.10
1,4-Dichlorobenzene	µg/L	8	0.10		<0.10
1,2-Dichlorobenzene	µg/L	4600	0.10		<0.10
1,3-Dichloropropene	µg/L	5.2	0.30		<0.30
Xylenes (Total)	µg/L	4200	0.20		<0.20
n-Hexane	µg/L	51	0.20		<0.20
Surrogate	Unit	Acceptable Limits			
Toluene-d8	% Recovery	50-140			113
4-Bromofluorobenzene	% Recovery	50-140			82

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON T3 NPGW CT
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6659254 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

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Certificate of Analysis

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

O. Reg. 153(511) - VOCs (with PHC) (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-23

		SAMPLE DESCRIPTION:		MW106
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2025-04-14 07:45
Parameter	Unit	G / S	RDL	6659231
Dichlorodifluoromethane	µg/L	4400	0.40	<0.40
Vinyl Chloride	µg/L	0.5	0.17	<0.17
Bromomethane	µg/L	5.6	0.20	<0.20
Trichlorofluoromethane	µg/L	2500	0.40	<0.40
Acetone	µg/L	130000	1.0	<1.0
1,1-Dichloroethylene	µg/L	1.6	0.30	<0.30
Methylene Chloride	µg/L	610	0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	0.20	<0.20
Methyl tert-butyl ether	µg/L	190	0.20	<0.20
1,1-Dichloroethane	µg/L	320	0.30	<0.30
Methyl Ethyl Ketone	µg/L	470000	1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	0.20	<0.20
Chloroform	µg/L	2.4	0.20	<0.20
1,2-Dichloroethane	µg/L	1.6	0.20	<0.20
1,1,1-Trichloroethane	µg/L	640	0.30	<0.30
Carbon Tetrachloride	µg/L	0.79	0.20	<0.20
Benzene	µg/L	44	0.20	<0.20
1,2-Dichloropropane	µg/L	16	0.20	<0.20
Trichloroethylene	µg/L	1.6	0.20	<0.20
Bromodichloromethane	µg/L	85000	0.20	<0.20
Methyl Isobutyl Ketone	µg/L	140000	1.0	<1.0
1,1,2-Trichloroethane	µg/L	4.7	0.20	<0.20
Toluene	µg/L	18000	0.20	<0.20
Dibromochloromethane	µg/L	82000	0.10	<0.10
Ethylene Dibromide	µg/L	0.25	0.10	<0.10
Tetrachloroethylene	µg/L	1.6	0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	3.3	0.10	<0.10
Chlorobenzene	µg/L	630	0.10	<0.10
Ethylbenzene	µg/L	2300	0.10	<0.10

Certified By: Pinkal Patel

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Certificate of Analysis

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

O. Reg. 153(511) - VOCs (with PHC) (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-23

				SAMPLE DESCRIPTION:	MW106
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2025-04-14 07:45
Parameter	Unit	G / S	RDL	6659231	
m & p-Xylene	µg/L		0.20	<0.20	
Bromoform	µg/L	380	0.10	<0.10	
Styrene	µg/L	1300	0.10	<0.10	
1,1,2,2-Tetrachloroethane	µg/L	3.2	0.10	<0.10	
o-Xylene	µg/L		0.10	<0.10	
1,3-Dichlorobenzene	µg/L	9600	0.10	<0.10	
1,4-Dichlorobenzene	µg/L	8	0.10	<0.10	
1,2-Dichlorobenzene	µg/L	4600	0.10	<0.10	
1,3-Dichloropropene	µg/L	5.2	0.30	<0.30	
Xylenes (Total)	µg/L	4200	0.20	<0.20	
n-Hexane	µg/L	51	0.20	<0.20	
Surrogate	Unit	Acceptable Limits			
Toluene-d8	% Recovery	50-140		106	
4-Bromofluorobenzene	% Recovery	50-140		100	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON T3 NPGW CT
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6659231 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

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Certificate of Analysis

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

Mercury Analysis in Water (Dissolved)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-23

			SAMPLE DESCRIPTION:	MW106
			SAMPLE TYPE:	Water
			DATE SAMPLED:	2025-04-14 07:45
Parameter	Unit	G / S	RDL	6659231
Dissolved Mercury	ug/L	0.29	0.026	<0.026

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON T3 NPGW CT
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

Analysis performed at AGAT Halifax (unless marked by *)

Certified By:

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

O. Reg. 153(511) - Metals & Inorganics (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-23

				SAMPLE DESCRIPTION:	MW106
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2025-04-14 07:45
Parameter	Unit	G / S	RDL		6659231
Dissolved Antimony	µg/L	20000	1.0		1.0
Dissolved Arsenic	µg/L	1900	1.0		<1.0
Dissolved Barium	µg/L	29000	2.0		46.5
Dissolved Beryllium	µg/L	67	0.50		<0.50
Dissolved Boron	µg/L	45000	10.0		322
Dissolved Cadmium	µg/L	2.7	0.20		<0.20
Dissolved Chromium	µg/L	810	2.0		<2.0
Dissolved Cobalt	µg/L	66	0.50		4.24
Dissolved Copper	µg/L	87	1.0		<1.0
Dissolved Lead	µg/L	25	0.50		1.16
Dissolved Molybdenum	µg/L	9200	0.50		12.2
Dissolved Nickel	µg/L	490	1.0		18.0
Dissolved Selenium	µg/L	63	1.0		4.3
Dissolved Silver	µg/L	1.5	0.20		<0.20
Dissolved Thallium	µg/L	510	0.30		<0.30
Dissolved Uranium	µg/L	420	0.50		22.0
Dissolved Vanadium	µg/L	250	0.40		<0.40
Dissolved Zinc	µg/L	1100	5.0		<5.0
Chromium VI	µg/L	140	2.000		<2.000
Cyanide, WAD	µg/L	66	2		18
Dissolved Sodium	µg/L	2300000	100		602000
Chloride	µg/L	2300000	122		524000
pH	pH Units		NA		7.22

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

O. Reg. 153(511) - Metals & Inorganics (Water)

DATE RECEIVED: 2025-04-14

DATE REPORTED: 2025-05-23

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ON T3 NPGW CT
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6659231 Metals analysis completed on a filtered sample.
pH is a recommended field analysis taken within 15 minutes of sample collection. Due to the potential for rapid change in sample equilibrium chemistry laboratory results may differ from field measured results
Dilution required, RDL has been increased accordingly.

Analysis performed at AGAT Toronto (unless marked by *)

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Quality Assurance

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS
AGAT WORK ORDER: 25Z271095
PROJECT: G2S25044B
ATTENTION TO: Stephanie Lewis
SAMPLING SITE:Metcalfe
SAMPLED BY:SL

Trace Organics Analysis

RPT Date: May 23, 2025			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)															
F1 (C6 to C10)	6601806		<25	<25	NA	< 25	98%	60%	140%	87%	60%	140%	68%	60%	140%
F2 (C10 to C16)	6665032		189	209	NA	< 100	94%	60%	140%	84%	60%	140%	79%	60%	140%
F3 (C16 to C34)	6665032		< 100	< 100	NA	< 100	103%	60%	140%	84%	60%	140%	78%	60%	140%
F4 (C34 to C50)	6665032		< 100	< 100	NA	< 100	87%	60%	140%	83%	60%	140%	78%	60%	140%
O. Reg. 153(511) - PAHs (Water)															
Naphthalene	6665913		<0.20	<0.20	NA	< 0.20	123%	50%	140%	105%	50%	140%	105%	50%	140%
Acenaphthylene	6665913		<0.20	<0.20	NA	< 0.20	103%	50%	140%	93%	50%	140%	89%	50%	140%
Acenaphthene	6665913		<0.20	<0.20	NA	< 0.20	111%	50%	140%	93%	50%	140%	97%	50%	140%
Fluorene	6665913		<0.20	<0.20	NA	< 0.20	109%	50%	140%	97%	50%	140%	98%	50%	140%
Phenanthrene	6665913		<0.10	<0.10	NA	< 0.10	117%	50%	140%	100%	50%	140%	103%	50%	140%
Anthracene	6665913		<0.10	<0.10	NA	< 0.10	113%	50%	140%	72%	50%	140%	72%	50%	140%
Fluoranthene	6665913		<0.20	<0.20	NA	< 0.20	122%	50%	140%	107%	50%	140%	109%	50%	140%
Pyrene	6665913		<0.20	<0.20	NA	< 0.20	122%	50%	140%	108%	50%	140%	110%	50%	140%
Benzo(a)anthracene	6665913		<0.20	<0.20	NA	< 0.20	92%	50%	140%	100%	50%	140%	88%	50%	140%
Chrysene	6665913		<0.10	<0.10	NA	< 0.10	103%	50%	140%	108%	50%	140%	96%	50%	140%
Benzo(b)fluoranthene	6665913		<0.10	<0.10	NA	< 0.10	109%	50%	140%	110%	50%	140%	87%	50%	140%
Benzo(k)fluoranthene	6665913		<0.10	<0.10	NA	< 0.10	105%	50%	140%	114%	50%	140%	96%	50%	140%
Benzo(a)pyrene	6665913		<0.01	<0.01	NA	< 0.01	79%	50%	140%	106%	50%	140%	92%	50%	140%
Indeno(1,2,3-cd)pyrene	6665913		<0.20	<0.20	NA	< 0.20	77%	50%	140%	88%	50%	140%	74%	50%	140%
Dibenz(a,h)anthracene	6665913		<0.20	<0.20	NA	< 0.20	73%	50%	140%	94%	50%	140%	82%	50%	140%
Benzo(g,h,i)perylene	6665913		<0.20	<0.20	NA	< 0.20	73%	50%	140%	95%	50%	140%	78%	50%	140%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	6601806		<0.40	<0.40	NA	< 0.40	90%	50%	140%	75%	50%	140%	72%	50%	140%
Vinyl Chloride	6601806		<0.17	<0.17	NA	< 0.17	65%	50%	140%	63%	50%	140%	78%	50%	140%
Bromomethane	6601806		<0.20	<0.20	NA	< 0.20	81%	50%	140%	91%	50%	140%	70%	50%	140%
Trichlorofluoromethane	6601806		<0.40	<0.40	NA	< 0.40	67%	50%	140%	69%	50%	140%	63%	50%	140%
Acetone	6601806		<1.0	<1.0	NA	< 1.0	73%	50%	140%	88%	50%	140%	93%	50%	140%
1,1-Dichloroethylene	6601806		<0.30	<0.30	NA	< 0.30	107%	50%	140%	86%	60%	130%	119%	50%	140%
Methylene Chloride	6601806		<0.30	<0.30	NA	< 0.30	61%	50%	140%	73%	60%	130%	81%	50%	140%
trans- 1,2-Dichloroethylene	6601806		<0.20	<0.20	NA	< 0.20	113%	50%	140%	103%	60%	130%	95%	50%	140%
Methyl tert-butyl ether	6601806		<0.20	<0.20	NA	< 0.20	74%	50%	140%	97%	60%	130%	81%	50%	140%
1,1-Dichloroethane	6601806		<0.30	<0.30	NA	< 0.30	62%	50%	140%	87%	60%	130%	97%	50%	140%
Methyl Ethyl Ketone	6601806		<1.0	<1.0	NA	< 1.0	78%	50%	140%	80%	50%	140%	110%	50%	140%
cis- 1,2-Dichloroethylene	6601806		<0.20	<0.20	NA	< 0.20	78%	50%	140%	97%	60%	130%	82%	50%	140%
Chloroform	6601806		<0.20	<0.20	NA	< 0.20	64%	50%	140%	97%	60%	130%	88%	50%	140%
1,2-Dichloroethane	6601806		<0.20	<0.20	NA	< 0.20	85%	50%	140%	82%	60%	130%	109%	50%	140%
1,1,1-Trichloroethane	6601806		<0.30	<0.30	NA	< 0.30	105%	50%	140%	114%	60%	130%	94%	50%	140%
Benzene	6601806		<0.20	<0.20	NA	< 0.20	92%	50%	140%	70%	60%	130%	83%	50%	140%

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Quality Assurance

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS
AGAT WORK ORDER: 25Z271095
PROJECT: G2S25044B
ATTENTION TO: Stephanie Lewis
SAMPLING SITE:Metcalfe
SAMPLED BY:SL

Trace Organics Analysis (Continued)

RPT Date: May 23, 2025

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,2-Dichloropropane	6601806		<0.20	<0.20	NA	< 0.20	80%	50%	140%	91%	60%	130%	99%	50%	140%
Trichloroethylene	6601806		<0.20	<0.20	NA	< 0.20	64%	50%	140%	93%	60%	130%	89%	50%	140%
Bromodichloromethane	6601806		<0.20	<0.20	NA	< 0.20	82%	50%	140%	64%	60%	130%	111%	50%	140%
Methyl Isobutyl Ketone	6601806		<1.0	<1.0	NA	< 1.0	67%	50%	140%	120%	50%	140%	80%	50%	140%
1,1,2-Trichloroethane	6601806		<0.20	<0.20	NA	< 0.20	110%	50%	140%	99%	60%	130%	113%	50%	140%
Toluene	6601806		<0.20	<0.20	NA	< 0.20	75%	50%	140%	80%	60%	130%	105%	50%	140%
Dibromochloromethane	6601806		<0.10	<0.10	NA	< 0.10	72%	50%	140%	97%	60%	130%	108%	50%	140%
Ethylene Dibromide	6601806		<0.10	<0.10	NA	< 0.10	73%	50%	140%	88%	60%	130%	81%	50%	140%
Tetrachloroethylene	6601806		<0.20	<0.20	NA	< 0.20	73%	50%	140%	80%	60%	130%	101%	50%	140%
1,1,1,2-Tetrachloroethane	6601806		<0.10	<0.10	NA	< 0.10	113%	50%	140%	105%	60%	130%	83%	50%	140%
Chlorobenzene	6601806		<0.10	<0.10	NA	< 0.10	80%	50%	140%	84%	60%	130%	104%	50%	140%
Ethylbenzene	6601806		<0.10	<0.10	NA	< 0.10	80%	50%	140%	90%	60%	130%	103%	50%	140%
m & p-Xylene	6601806		<0.20	<0.20	NA	< 0.20	81%	50%	140%	92%	60%	130%	100%	50%	140%
Bromoform	6601806		<0.10	<0.10	NA	< 0.10	68%	50%	140%	71%	60%	130%	96%	50%	140%
Styrene	6601806		<0.10	<0.10	NA	< 0.10	74%	50%	140%	86%	60%	130%	82%	50%	140%
1,1,2,2-Tetrachloroethane	6601806		<0.10	<0.10	NA	< 0.10	61%	50%	140%	75%	60%	130%	66%	50%	140%
o-Xylene	6601806		<0.10	<0.10	NA	< 0.10	73%	50%	140%	78%	60%	130%	87%	50%	140%
1,3-Dichlorobenzene	6601806		<0.10	<0.10	NA	< 0.10	80%	50%	140%	91%	60%	130%	81%	50%	140%
1,4-Dichlorobenzene	6601806		<0.10	<0.10	NA	< 0.10	104%	50%	140%	105%	60%	130%	87%	50%	140%
1,2-Dichlorobenzene	6601806		<0.10	<0.10	NA	< 0.10	116%	50%	140%	111%	60%	130%	64%	50%	140%
n-Hexane	6601806		<0.20	<0.20	NA	< 0.20	119%	50%	140%	95%	60%	130%	85%	50%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Certified By:

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Quality Assurance

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS
AGAT WORK ORDER: 25Z271095
PROJECT: G2S25044B
ATTENTION TO: Stephanie Lewis
SAMPLING SITE:Metcalfe
SAMPLED BY:SL

Water Analysis

RPT Date: May 23, 2025			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Water)															
Dissolved Antimony	6662984		<1.0	<1.0	NA	< 1.0	101%	70%	130%	101%	80%	120%	104%	70%	130%
Dissolved Arsenic	6662984		<1.0	<1.0	NA	< 1.0	98%	70%	130%	97%	80%	120%	103%	70%	130%
Dissolved Barium	6662984		55.4	55.2	0.4%	< 2.0	99%	70%	130%	101%	80%	120%	112%	70%	130%
Dissolved Beryllium	6662984		<0.50	<0.50	NA	< 0.50	97%	70%	130%	109%	80%	120%	100%	70%	130%
Dissolved Boron	6662984		487	500	2.6%	< 10.0	97%	70%	130%	112%	80%	120%	102%	70%	130%
Dissolved Cadmium	6662984		<0.20	<0.20	NA	< 0.20	100%	70%	130%	99%	80%	120%	105%	70%	130%
Dissolved Chromium	6662984		<2.0	<2.0	NA	< 2.0	100%	70%	130%	101%	80%	120%	107%	70%	130%
Dissolved Cobalt	6662984		1.05	1.22	NA	< 0.50	102%	70%	130%	99%	80%	120%	103%	70%	130%
Dissolved Copper	6662984		2.0	2.4	NA	< 1.0	101%	70%	130%	98%	80%	120%	97%	70%	130%
Dissolved Lead	6662984		<0.50	<0.50	NA	< 0.50	97%	70%	130%	92%	80%	120%	90%	70%	130%
Dissolved Molybdenum	6662984		13.7	15.0	9.1%	< 0.50	102%	70%	130%	107%	80%	120%	119%	70%	130%
Dissolved Nickel	6662984		2.9	3.4	NA	< 1.0	101%	70%	130%	97%	80%	120%	100%	70%	130%
Dissolved Selenium	6662984		2.1	4.8	NA	< 1.0	101%	70%	130%	96%	80%	120%	100%	70%	130%
Dissolved Silver	6662984		<0.20	<0.20	NA	< 0.20	100%	70%	130%	96%	80%	120%	99%	70%	130%
Dissolved Thallium	6662984		<0.30	<0.30	NA	< 0.30	97%	70%	130%	93%	80%	120%	91%	70%	130%
Dissolved Uranium	6662984		2.89	3.00	3.7%	< 0.50	101%	70%	130%	93%	80%	120%	96%	70%	130%
Dissolved Vanadium	6662984		<0.40	<0.40	NA	< 0.40	103%	70%	130%	108%	80%	120%	115%	70%	130%
Dissolved Zinc	6662984		12.3	12.7	NA	< 5.0	102%	70%	130%	101%	80%	120%	99%	70%	130%
Chromium VI	6658564		<2.000	<2.000	NA	< 2	99%	70%	130%	106%	80%	120%	98%	70%	130%
Cyanide, WAD	6662984		<2	<2	NA	< 2	97%	70%	130%	96%	80%	120%	98%	70%	130%
Dissolved Sodium	6662984		105000	104000	1.0%	< 50	100%	70%	130%	102%	80%	120%	98%	70%	130%
Chloride	6660813		161000	161000	0.0%	< 100	97%	70%	130%	100%	80%	120%	NA	70%	130%
pH	6660813		7.32	7.54	3.1%	NA	100%	90%	110%	NA			NA		

Comments: NA signifies Not Applicable.
Duplicate NA: results are under 5X the RDL and will not be calculated.

Matrix spike NA: Spike level < native concentration. Matrix spike acceptance limits do not apply and are not calculated.

Mercury Analysis in Water (Dissolved)

Dissolved Mercury	6659231	6659231	<0.026	<0.026	NA	< 0.026	87%	80%	120%	97%	80%	120%	94%	70%	130%

Comments: If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Certified By:

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Method Summary

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Naphthalene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Acenaphthylene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Acenaphthene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Fluorene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Phenanthrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Anthracene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Fluoranthene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Pyrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(a)anthracene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Chrysene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(b)fluoranthene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(k)fluoranthene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(a)pyrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Dibenz(a,h)anthracene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
2-and 1-methyl Napthalene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Naphthalene-d8	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Acridine-d9	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Terphenyl-d14	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Sediment			N/A
F1 (C6 to C10)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

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Method Summary

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Vinyl Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromomethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Acetone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methylene Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
trans- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl tert-butyl ether	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
cis- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chloroform	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Benzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromodichloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Toluene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Dibromochloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Ethylbenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

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Method Summary

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
m & p-Xylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromoform	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Styrene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,2,2-Tetrachloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,3-Dichloropropene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
n-Hexane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Toluene-d8	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

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Method Summary

CLIENT NAME: G2S ENVIRONMENTAL CONSULTANTS

AGAT WORK ORDER: 25Z271095

PROJECT: G2S25044B

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:Metcalfe

SAMPLED BY:SL

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Mercury	MET-121-6100 & MET-121-6107	SM 3112 B	CV/AA
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Chromium VI	INOR-93-6073	modified from SM 3500-CR B	LACHAT FIA
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015, SM 4500-CN- I, G-387	SEGMENTED FLOW ANALYSIS
Dissolved Sodium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP/MS
Chloride	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
pH	INOR-93-6000	modified from SM 4500-H+ B	PC TITRATE

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Chain of Custody Record

If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans)

Laboratory Use Only

Work Order #: 25Z271095

Cooler Quantity: one - ice packs

Arrival Temperatures: 2.5 | 2.9 | 3.0

Depot Temperatures: 7.5 | 16.6 | 16.8

Custody Seal Intact: ☐ Yes ☐ No ☒ N/A

Notes: B I

Report Information:

Company: G2S Consulting

Contact: Stephanie Lewis

Address: 37 Sandiford Drive
Suite 411

Phone: _____ Fax: _____

Reports to be sent to:

1. Email: stephanie l@g2sconsulting.com
2. Email: haileyp@g2sconsulting.com

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table (Indicate One): ☐ Ind/Com ☒ Res/Park ☐ Agriculture
Soil Texture (Check One): ☒ Coarse ☒ Fine

☐ Regulation 406
Table (Indicate One): ☐ Ind/Com ☐ Res/Park ☐ Agriculture

☐ Regulation 558

☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other
Indicate One

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT

**TAT is exclusive of weekends and statutory holidays*

For 'Same Day' analysis, please contact your AGAT CSR

Project Information:

Project: G2S250443

Site Location: Metcalfe

Sampled By: SL

AGAT Quote #: Standing offer PO: _____

Please note: If quotation number is not provided, client will be billed full price for analysis.

Is this submission for a **Record of Site Condition (RSC)**? ☒ Yes ☐ No

Report Guideline on *Certificate of Analysis* ☒ Yes ☐ No

Invoice Information:

Bill To Same: Yes ☒ No ☐

Company:

Contact:

Address:

Email:

Legal Sample ☐

Sample Matrix Legend

GW	Ground Water	**SD**	Sediment
O	Oil	**SW**	Surface Water
P	Paint	**R**	Rock/Shale
S	Soil		

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: VOC	O. Reg 153: PAHs	O. Reg 153: PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package	O. Reg 406: pH, Metals, BTEX, F1-F4	O. Reg 406: EC, SAR	O. Reg 406: Regulation 406 SPLP Rainwater Leach	O. Reg 406: mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 558: TCLP:	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. MW106	April 14/25	7:45 AM PM	14	GW			X		X	X	X										
2. Trip Blank	"	AM PM		"						X											
3.		AM PM																			
4.		AM PM																			
5.		AM PM																			
6.		AM PM																			
7.		AM PM																			
8.		AM PM																			
9.		AM PM																			
10.		AM PM																			
11.		AM PM																			

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
S. Lewis	April 14/25	9.45am	C. Griffith	04/14/25	09h45
CC to Dave	04/14/25	19h00		Apr 15	9am
Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time

Page 1 of 1

N°: T - 157366

Pink Copy - Client | Yellow Copy - AGAT | White Copy - AGAT

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http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 25T307985

PROJECT: G2S25044

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:77 Metcalfe

SAMPLED BY:D. Brice

O. Reg. 153(511) - PAHs (Water)

DATE RECEIVED: 2025-06-10

DATE REPORTED: 2025-06-17

		SAMPLE DESCRIPTION:		MW101	MW120
		SAMPLE TYPE:		Water	Water
		DATE SAMPLED:		2025-06-09	2025-06-09
Parameter	**Unit**	**G / S**	**RDL**	**6806134**	**6806145**
Naphthalene	µg/L	1400	0.20	<0.20	<0.20
Acenaphthylene	µg/L	1.8	0.20	<0.20	<0.20
Acenaphthene	µg/L	600	0.20	<0.20	<0.20
Fluorene	µg/L	400	0.20	<0.20	<0.20
Phenanthrene	µg/L	580	0.10	<0.10	<0.10
Anthracene	µg/L	2.4	0.10	<0.10	<0.10
Fluoranthene	µg/L	130	0.20	<0.20	<0.20
Pyrene	µg/L	68	0.20	<0.20	<0.20
Benzo(a)anthracene	µg/L	4.7	0.20	<0.20	<0.20
Chrysene	µg/L	1	0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.75	0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.4	0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.81	0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20	<0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.52	0.20	<0.20	<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20	<0.20	<0.20
2-and 1-methyl Napthalene	µg/L	1800	0.20	<0.20	<0.20
Sediment				1	1
Surrogate	**Unit**	**Acceptable Limits**			
Naphthalene-d8	%	50-140		70	103
Acridine-d9	%	50-140		100	93
Terphenyl-d14	%	50-140		122	93

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6806134-6806145 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&(j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: R. Chakraberty

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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Certificate of Analysis

AGAT WORK ORDER: 25T307985

PROJECT: G2S25044

CLIENT NAME: G2S ENVIRONMENTAL CONSULTING INC

ATTENTION TO: Stephanie Lewis

SAMPLING SITE:77 Metcalfe

SAMPLED BY:D. Brice

O. Reg. 153(511) - PCBs (Water)

DATE RECEIVED: 2025-06-10 **DATE REPORTED: 2025-06-17**

		SAMPLE DESCRIPTION:		MW103	MW121
		SAMPLE TYPE:		Water	Water
		DATE SAMPLED:		2025-06-09	2025-06-09
Parameter	**Unit**	**G / S**	**RDL**	**6806133**	**6806147**
Polychlorinated Biphenyls	µg/L	7.8	0.1	<0.1	<0.1
Surrogate	**Unit**	**Acceptable Limits**			
Decachlorobiphenyl	%	60-140		82	82

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6806133-6806147 PCB total is a calculated parameter. The calculated value is the sum of Aroclor 1242, Aroclor 1248, Aroclor 1254 and Aroclor 1260.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: R. Chakraberty

AGAT Laboratories

Have feedback? Scan here for a quick survey!

5835 Coopers Avenue
Mississauga, Ontario L4Z 1Y2
Ph: 905.712.5100 Fax: 905.712.5122
webearth.agatlabs.com

Chain of Custody Record

If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans)

Laboratory Use Only

Work Order #: 25T307985

Cooler Quantity: 1 Large

Arrival Temperatures: 9.2 | 9.5 | 9.1

Depot Temperatures: | |

Custody Seal Intact: ☐ Yes ☐ No ☑ N/A

Notes: Bagged ice

Report Information:

Company: G2S CONSULTING

Contact: STEPHANIE LEWIS

Address: 4361 HARVESTER RD, SUITE 12
BURL., ONT, L7L 5M4

Phone: Fax:

Reports to be sent to:

1. Email: stephanie@g2sconsulting.com
2. Email: dylan@g2sconsulting.com

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04 — Table 3 (Indicate One) — ☐ Ind/Com ☑ Res/Park ☐ Agriculture — Soil Texture (Check One) ☑ Coarse ☐ Fine

☐ Regulation 406 — Table ____ (Indicate One) — ☐ Ind/Com ☐ Res/Park ☐ Agriculture

☐ Regulation 558

☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm — Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other — Indicate One

Is this submission for a **Record of Site Condition (RSC)**? ☑ Yes ☐ No

Report Guideline on *Certificate of Analysis* ☑ Yes ☐ No

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT

**TAT is exclusive of weekends and statutory holidays*

For 'Same Day' analysis, please contact your AGAT CSR

Project Information:

Project: ~~[illegible]~~ 625 25044

Site Location: 77 METCALFE

Sampled By: D. BRUCE

AGAT Quote #: PO:

Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐

Company:

Contact:

Address:

Email:

Legal Sample ☐

Sample Matrix Legend

GW	Ground Water	**SD**	Sediment
O	Oil	**SW**	Surface Water
P	Paint	**R**	Rock/Shale
S	Soil		

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC Y/N	O. Reg 153: Metals & Inorganics	Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4	EC, SAR	Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ Bi/a)P ☐ PCBs	TCLP:	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. BH103	25/6/9	PM	2	GW								X							
2. BH101	↓	AM PM	3	↓							X								
3. BH120		AM PM	3								X								
4. BH121		AM PM	2									X							
5.		AM PM																	
6.		AM PM																	
7.		AM PM																	
8.		AM PM																	
9.		AM PM																	
10.		AM PM																	
11.		AM PM																	

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
D. BRUCE	25/6/10	1800		June 10	1215
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

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N°: T - 169342

Pink Copy - Client | Yellow Copy - AGAT | White Copy - AGAT