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Phase Two Environmental Site Assessment

3403 – 3445 Fieldgate Drive, Mississauga, Ontario

G2S24018B

Forest Glen Shopping Centre Ltd.
c/o Sajecki Planning Inc.
227 Pape Avenue
Toronto, Ontario
M4M 2W3

August 29, 2024

Executive Summary

G2S Consulting Inc. (G2S) was retained by Forest Glen Shopping Centre Ltd. (the Client) to complete a Phase Two Environmental Site Assessment (ESA) for the property located at 3403 – 3445 Fieldgate Drive in Mississauga, Ontario, hereinafter referred to as the 'Site'. Refer to Drawing 1 in Appendix A for the Site Location Plan. Authorization to proceed with the Phase One ESA was provided by Morgan Dundas of Sajecki Planning Inc.

The irregular shaped Site is located on the north side of Fieldgate Drive, east of Ponytrail Drive and west of Bloor Street, with approximately 160 metres (m) of frontage on Fieldgate Drive and a depth of approximately 85 m. The Site is located in an area consisting of commercial, residential, parkland and institutional land use. Etobicoke Creek is located approximately 515 m northeast of the Site flowing southeast to Lake Ontario, located approximately 5.6 kilometres (km) southeast of the Site.

Based on information collected from the Site visit and records review, the Site was vacant undeveloped land until approximately 1968 when a muti-tenant commercial building (Site Building 1) was constructed for use by Glenn Forest Shopping Centre on the northwest portion of the Site. An addition was added on the east portion of Site Building 1 between 1977 and 1981. An additional single unit commercial building (Site Building 2) was constructed on the southeast portion of the Site in the 1980s. The Site Buildings have been used for retail, restaurant, medical, photo processing and offices since their construction as well as one unit (3437 Fieldgate Drive) which operated as a dry-cleaning facility from approximately 1968 until 2020.

G2S understands the Client requires a Phase Two ESA for due diligence purposes related to the proposed redevelopment of the Site for mixed use commercial and residential purposes. 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, as amended.

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 May 2024, 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 on April 29, 2024, and included the advancement of six boreholes on-Site, three of which were installed as groundwater monitoring wells. Refer to Drawing 3 for the Borehole and Monitoring Well Location Plan.

The findings of this assignment are summarized as follows:

1. In general, the subsurface conditions of the building exterior included a pavement structure comprising approximately 50 to 75 millimeters of asphalt, underlain by granular material of 125 to 175 mm, underlain by silty sand, clayey silt and gravel fill materials (approximately 0.1 to 3.0 m below ground surface (bgs)), and native sandy silt to silt extending to borehole completion depths up to approximately 4.0 to 6.1 m bgs. Shale/till complex was identified from 4.6 to 4.9 m bgs and weathered shale bedrock was encountered at depths from 4.9 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 May 13, 2024, between depths of 0.37 and 4.42 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), metals and other regulated parameters (ORPs), and polychlorinated biphenyls (PCBs). 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 BH204 S2 – Sodium adsorption ratio (SAR) (28.0) exceeded the SCS of 5 and electrical conductivity (EC) (2.58 mS/cm) exceeded the SCS of 0.70 mS/cm.

    - Sample BH205 S2 – SAR (7.09) exceeded the SCS of 5 and EC (0.738 mS/cm) exceeded the SCS of 0.70 mS/cm.

    - Sample BH206 S4 – SAR (6.39) exceeded the SCS of 5.

4. One soil sample collected during a previous Phase Two ESA contained tetrachloroethylene at a concentration marginally above the Table 3 SCS (0.4 µg/g over 0.28 µg/g) (MW6-1, 0-0.76 m bgs).

5. Groundwater samples from the monitoring wells were submitted for laboratory analysis of PHCs F1-F4 including BTEX, VOCs, metals and ORPs, and 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 MW202 – Tetrachloroethylene (33.8 µg/g) exceeded the SCS of 1.6 µg/g.

    - Sample MW203 – Tetrachloroethylene (18.3 µg/g) exceeded the SCS of 1.6 µg/g.

    - Sample MW202 – Chloride (2,340,000 µg/L) exceeded the SCS of 2,300,000 µg/L.

6. The elevated EC and SAR in soil and chloride in groundwater 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 site condition standard is deemed not to be exceeded. In this regard, the EC, SAR, sodium, and chloride impacts would not be considered “contamination”. Reference is made to O. Reg. 153/04, as amended, s. 49 (1).

Based on the results of the Phase Two ESA, the Site does not meet the applicable MECP Table 3 RPI SCS due to tetrachloroethylene (PCE) present in soil and groundwater at concentrations above the Table 3 SCS. The extent of the PCE impacts has not been determined at the time of this report.

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.

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Appendices

List of Drawings

1. Introduction

G2S Consulting Inc. (G2S) was retained by Forest Glen Shopping Centre Ltd. (the Client) to complete a Phase Two Environmental Site Assessment (ESA) for the property located at 3403 – 3445 Fieldgate Drive in Mississauga, Ontario, hereinafter referred to as the 'Site'. Authorization to proceed with this assignment was provided by Morgan Dundas of Sajecki Planning Inc.

G2S understands the Client requires the Phase Two ESA for due diligence purposes related to the proposed redevelopment of the Site for mixed use commercial and 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, parkland, institutional, and commercial land use.

The Site is currently developed with a multi-unit commercial building. The Site was vacant undeveloped land until approximately 1968 when a multi-tenant commercial building (Site Building 1) was constructed for use by Glenn Forest Shopping Centre on the northwest portion of the Site. An addition was built on the east portion of Site Building 1 between 1977 and 1981. An additional single unit commercial building (Site Building 2) was constructed on the southeast portion of the Site in the 1980s. The Site Buildings have been used for retail, restaurant, medical, photo processing and offices since their construction as well as one unit (3437 Fieldgate Drive) which operated as a dry-cleaning operation from approximately 1968 until 2020.

1.2 Property Ownership and Information

Table 1: General Site Details

Municipal Address	3403 – 3445 Fieldgate Drive, Mississauga, Ontario
General Site Location	The north side of Fieldgate Drive, east of Ponytrail Drive and west of Bloor Street, approximately 515 m southeast of Etobicoke Creek.
Approximate Plan Area	0.13 hectares (0.3 acres), with frontage of approximately 158 m on Fieldgate Drive and approximately 80 m on Ponytrail Drive.
Property Identification Number (PIN)	13330-0239 (LT)
Legal Description	BLK J PL 719 TORONTO; S/T RIGHT IN TT175194; S/T TT172757 MISSISSAUGA
Current Site Owner and Contact Information	Forest Glenn Shopping Centre Limited
Current Site Occupant	Site Building 1: • 3407 Fieldgate Drive: Computer And Printing • 3409 Fieldgate Drive Forest Glen Deli and Appetizer • 3411 Fieldgate Drive: Dollarcade

	• 3415 Fieldgate Drive: Maxwell Physiotherapy and Rehab • 3417 Fieldgate Drive: Dixie Bloor Neighbourhood Centre (LINC English Classes) • 3419 Fieldgate Drive: Coin Laundry, Suya Express • 3421 Fieldgate Drive: The Hairspot, Pizza Wings and More • 3423 Fieldgate Drive: Subway • 3425 Fieldgate Drive: Karachi Grill • 3427 Fieldgate Drive: Fieldgate Pharmacy • 3429 Fieldgate Drive: Vacant (formerly medical offices)3431 Fieldgate Drive: Dixie Bloor Neighbourhood Centre (English Classes) • 3433 Fieldgate Drive: The Bun Man • 3435 Fieldgate Drive: Dixie Bloor Neighbourhood Centre (LINC English Classes) • 3437 Fieldgate Drive: Optic Chiasma, Vacant (formerly Fairway Cleaners) • 3439 Fieldgate Drive: Dixie Bloor Neighbourhood Centre • 3441 Fieldgate Drive: Hasty Market and Vape Store • 3443 Fieldgate Drive: Vacant (formerly Balkan Grill) • 3445 Fieldgate Drive: IC Food World Site Building 2: 3403 Fieldgate Drive: Fieldgate Dental

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 mixed commercial/residential purposes. Since the Site will be changing to a more stringent property use (i.e. 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 9 for surface soil (<1.5 m) and within 5 to 11 for subsurface soil (>1.5 m).
- The potable groundwater condition does not apply 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 Regional Municipality of Peel, which obtains water from Lake Ontario.
- 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 Etobicoke Creek, which is located approximately 515 m northeast of the Site.

The Site is located approximately between 137 and 145 m above sea level. Based on our observations and review, the expected direction of groundwater flow is to the southeast, following surface topography towards Lake Ontario. 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 sandy loam formed on sand and gravel, specifically Grey-Brown Podzolic Group. Additionally, the Palaeozoic Geology of Southern Ontario, Map 2254, Ontario Division of Mines, was reviewed which indicated the Site is underlain by grey shale with limestone interbeds of the Georgian Bay Formation.

2.2 Past Investigations

The following previous environmental report was 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: Phase I Environmental Site Assessment, 3403 – 3445 Fieldgate Drive, Mississauga, Ontario **Date of Report:** October 3, 2022 **Author of the Report:** Pinchin	• The Site was developed with Site Building 1 in the late 1960s to mid 1970s. Site Building 2 was developed in the mid 1980s. The Site was 1.58 hectares in size. Two hydraulic compactors and one hydraulic lift were recorded by Pinchin at the Site. Based on the age of the equipment, this hydraulic equipment is not considered a PCA. Two oil cooled transformers were located on the north portion of the Site which and are considered APECs, see Section 6.2 and 6.3 of this report. The Site Buildings were heated by natural gas powered heating, ventilating and air conditioning (HVAC) units and forced air furnaces similar to the present day. • The majority of historical tenants within the Site Buildings consisted of various, retailers, restaurants, medical practices and photo processing facilities. Several dry-cleaning operations existed in the unit with municipal address 3437 Fieldgate Drive in Site Building 1 since at least 1968. This drycleaning operation was identified as an APEC. Further details are provided in Section 6.2 and 6.3 of this report. A photo printing operation had existed in the unit with municipal address 3407 Fieldgate Drive and had been registered in the HWIN database for photo processing wastes. • One off Site APEC was identified by Pinchin. A retail fuel outlet (RFO) had been located at 1715 Bloor Street since approximately 1979. For further information on this APEC see Sections 6.2 and 6.3 of this report.

Report Details	Findings and Conclusions
	• A Phase Two ESA was recommended to investigate the APECs identified on and off Site.
Title: Phase II Environmental Site Assessment, 3403 – 3445 Fieldgate Drive, Mississauga, Ontario **Date of Report:** December 22, 2022 **Author of the Report:** Pinchin	• The investigation was based on the recommendations of the Phase One ESA completed by Pinchin at the Site. The investigation included the advancement of eight boreholes on the Site. The boreholes were completed to a maximum depth of 6.10 m below ground surface (bgs), all of which were completed as groundwater monitoring wells (MW1 through MW8 inclusive). The findings of the investigation are summarized as follows: 1. The material beneath the Site generally consisted of a concrete or asphalt ground covering over gravel or sand and gravel to 0.15 m bgs of 0.10 m below floor surface (bfs). Native clayey silt, sand, silty sand, silt and sandy silt was encountered to depths from 3.05 m bgs and 6.10 m bgs at borehole completion. Weathered shale was encountered in MW2, MW4, MW6, MW7 and MW8 between 3.05 and 5.80 m bgs. Weathered shale was also encountered in MW5 to borehole completion of 1.52 m bfs. 2. Groundwater was found in the bedrock at depths of 4.73 m bgs and 0.87 m bfs and in the overburden at depths between 2.45 and 4.73 m bgs. 3. Groundwater and soil samples were compared to the applicable Site Condition Standards (SCS) provided in the MECP document "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act", amended April 15, 2011. Table 3: Full Depth Generic SCS for use in a Non-Potable Groundwater Condition for industrial/commercial/community land use within coarse textured soils (Table 3 ICC SCS) were selected. 4. Soil samples met the Table 3 ICC SCS for benzene, toluene, ethylbenzene and xylenes (BTEX), petroleum hydrocarbons fractions 1 to fraction 4 (PHS F1-F4), volatile organic compounds (VOCs) polycyclic aromatic hydrocarbons (PAHs) and metals in the soil samples submitted for analysis. When compared to the residential site condition standards, one soil sample exceeds the SCS for tetrachloroethylene (MW6-1, 0-0.76 m bgs). 5. Groundwater samples from monitoring wells met the Table 3 ICC SCS for BTEX, VOCs, PAHs, and metals with the exception of VOC parameter chloroform detected in MW4 and MW5. Pinchin concluded that the chloroform detected was likely due to biproduct of a leaking municipal water source. G2S compared the results to the Table 3 RPI SCS. No additional exceedances were identified. 6. Based on the results of the Phase Two ESA, the Site did not meet the MECP Table 3 ICC SCS; however, it was Pinchin's opinion that the noted exceedances were likely the result of a

Report Details	Findings and Conclusions
	municipal water source and no further investigation was required. • Tetrachloroethylene was detected in groundwater at MW4. Additional delineation should be completed to assess the distribution of tetrachloroethylene in the vicinity of the former drycleaner. • Additional investigation is required for the transformers located on the north portion of the Site before a Record of Site Condition (RSC) is filed for the Site.

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

"Phase One Environmental Site Assessment, 3403 – 3445 Fieldgate Drive, Mississauga, Ontario," dated May 23, 2024.

The Phase One ESA identified several 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: West central portion of the Site Building 1 – Historic use of a unit in Site Building 1 as a dry-cleaning operation.

APEC 2: Northwest portion of the Site – Historical transformer and mineral oil spill.

APEC 3: North-central portion of the Site – Use of oil-cooled transformers.

APEC 4: Entire Site – Use of de-icing salt for parking.

APEC 5: East portion of the Site – A gas station is located adjacent the Site to the east.

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 May 2024, 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 May 2024. 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 drilling was conducted on April 29, 2024, and included the advancement of six boreholes on-Site (labelled as BH201 to BH206) by Ace Environmental Drilling Ltd. (Ace), a licensed well contractor, under the supervision of G2S staff. Three of the boreholes (BH201, BH202, and BH203) were completed as groundwater monitoring wells (labelled BH/MW201, BH/MW202 and BH/MW203, respectively). A GeoProbe 3126GT drill rig was used to advance the boreholes and to collect the soil samples.

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 6.1 m bgs, or upon auger refusal on bedrock. Three of the boreholes (BH201, BH202, and BH203) were installed as monitoring wells at depths of approximately 4.79 m bgs.

The borehole and monitoring well locations were established in the field by G2S as shown on Drawing 4 in Appendix A.

4.7 Soil Sampling

During field work, soil samples in the boreholes were collected using disposable polyvinyl chloride (PVC) tube liners advanced following direct push methods (Ace). 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.

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 BH201, BH202, and BH203, identified as BH/MW201, BH/MW202, and BH/MW203, 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 (Ace).

The monitoring wells were installed to depths between 4.55 and 4.79 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 3.0 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 0.6 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 ACE ("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 interpolated using a topographic survey provided by the Client.

4.11 Groundwater Sampling

On May 6, 2024, 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 May 13, 2024, to collect the remaining groundwater samples from the May 6 sampling event completed by G2S.

An electronic water level metre 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 metre 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 Paracel Laboratories Ltd. (Paracel), 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 2024 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), metals and other regulated parameters (ORPs), and polychlorinated biphenyls (PCBs). Based on reports by

others, the grain size was determined to be coarse. 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	M/ORPs	PCBs	
BH201 S1	0.2 – 0.6	April 29, 2024	✓	✓			✓	Investigate APECs to confirm soil quality, confirm previous data set
BH201 S4	3.0 – 4.4				✓	✓		
BH202 S5	4.6 – 4.9				✓			
BH203 S1	0.1 – 0.9		✓	✓			✓	
BH203 S2	1.5 – 2.1				✓	✓		
BH204 S2	0.3 – 0.8		✓	✓		✓		
BH204 S8	4.6 – 4.9				✓			
BH205 S2	1.5 – 2.1					✓		
BH205 S6	4.6 – 5.5				✓			
BH206 S4	1.5 – 2.1					✓		
BH206 S7	4.6 – 5.8		✓	✓				
BH207 S1 (Duplicate of BH201 S1)	0.2 – 0.6		✓	✓			✓	Quality Control
BH207 S4 (Duplicate of BH201 S4)	3.0 – 4.4				✓	✓		

Notes: PHCs - Petroleum Hydrocarbons Fractions F1-F4
BTEX – Benzene, Toluene, Ethylbenzene, Xylenes
PCBs – Polychlorinated Biphenyls
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)

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, metals and ORPs, and 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	M/ORPs	PCBs	
MW201	BH/MW201	May 6, 2024	✓	✓	✓	✓	✓	Investigate APECs to confirm groundwater quality
MW202	BH/MW202		✓	✓	✓	✓		
MW203	BH/MW203		✓	✓	✓	✓	✓	
MW204	Duplicate of MW202		✓	✓	✓	✓	✓	
MW205	Duplicate of MW201						✓	
MW1	MW1		✓	✓	✓			Re-sample to confirm groundwater quality
MW2	MW2	May 13, 2024	✓	✓	✓	✓		
MW3	MW3	May 6, 2024	✓	✓	✓			
MW4	MW4		✓	✓	✓	✓		
MW5	MW5	May 6, 2024	✓*	✓				
		May 13, 2024	✓**					
Trip Blank		May 1, 2024			✓			Quality Control

Notes: ORPs include free cyanide (CN-), chromium hexavalent (CrVI), mercury (Hg), pH, and chloride (Cl-).
* - PHC F1 and BTEX only
** - PHCs F2 to F4 only

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 2022 and completed by G2S 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 asphalt was encountered in boreholes BH204 to BH206, approximately 50 to 75 mm in thickness, granular material was identified underlying the asphalt approximately 50 to 100 mm in thickness. A layer of granular material was encountered in boreholes BH201 to BH203, approximately 125 to 175 mm in thickness.

Fill Materials

Fill materials were encountered beneath the pavement structure in each of the boreholes BH202 to BH206, generally consisting of brown silty sand and gravel and extended to depths between approximately 0.1 and 3.0 m below ground surface (bgs). Brown clayey silt with trace sand was found in borehole BH201, to depths between 0.2 to 1.5 m bgs.

Native Material

Native materials encountered beneath the fill materials in the boreholes generally consisted of brown to grey sandy silt to silt, extending to borehole completion depths between 4.0 to 6.1 m bgs.

Shale/till complex was identified within boreholes BH202 to BH204 extending to borehole completion depths of 4.9 m bgs.

Bedrock

Shale bedrock was encountered below the native material in BH201 to BH204 at a depth of 4.9 m bgs.

5.2 Groundwater Elevation and Flow Direction

Groundwater levels were measured in the wells on May 6, 2024 and May 13, 2024. Ground surface elevations were interpolated from the provided topographic survey, 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 12, 2024	May 6, 2024	May 13, 2024
BH/MW201	135.53	4.55	133.98 – 130.98 (1.55 – 4.55)	-	133.95 (1.58)	133.93 (1.60)
BH/MW202	135.39	4.57	133.82 – 130.82 (1.57 – 4.57)	-	133.76 (1.63)	133.74 (1.65)
BH/MW203	135.13	4.80	133.82 – 130.33 (1.80 – 4.80)	-	133.05 (2.08)	-
MW1	134.03	5.98*	130.93 – 128.05 (3.1 – 5.98)	131.13 (2.90)	130.60 (3.43)	130.59 (3.44)
MW2	134.54	6.18*	131.44 – 128.36 (3.1 – 6.18)	130.76 (3.78)	130.83 (3.71)	130.86 (3.68)
MW3	133.95	4.3	134.65 – 129.65 (1.3 – 4.3)	-	130.72 (3.23)	130.70 (3.25)
MW4	135.38	5.02*	133.18 – 130.36 (2.2 – 5.02)	131.86 (3.52)	131.93 (3.45)	130.96 (4.42)
MW5	132.51	1.34*	132.21 – 131.17 (0.3 – 1.34)	-	132.26 (0.25)	132.14 (0.37)

Note: Monitoring well elevations were interpolated using a Topographic Survey provided by the Client.
* Measured well depths vary from depths noted in the 2020 Phase Two ESA, possibly due to fine particles entering and settling in the well casing.

Based on the measured groundwater elevation data, local groundwater flow at the Site appears to be towards the southeast. The expected direction of groundwater flow in the Study Area is to the southeast, following surface topography towards Lake Ontario, located approximately 5.6 km southeast of the Site.

The groundwater levels were found at depths between 0.37 and 4.42 m bgs during the most recent round of measurements on May 13, 2024. 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 5, which also shows the monitoring well locations and measured water levels. Table 2 above provides a summary of the water levels for May 2024.

Based on G2Ss' Site observations and short-term water level measurements, the groundwater table underlying the Site has a horizontal gradient of approximately 0.05 (5%) towards the southeast.

Vertical hydraulic gradient was not determined as part of the investigation as further investigation is required.

5.4 Soil Texture

The subsurface stratigraphy in the boreholes typically comprised fill materials over a deposit of native sandy silt to silt. Grain size analysis of representative samples collected during the Phase Two ESA were completed by others in 2022 and indicated 54 to 92% 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 between 0 and 25 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 method detection limits (MDLs) 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 in the soil samples submitted and were below the Table 3 RPI SCS. 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 2 RPI SCS in the submitted soil samples. Refer to Table 2 in Appendix C. One sample from the 2022 Phase Two ESA contained tetrachloroethylene at a concentration above the SCS, and is included in Table 2.

5.6.3 Metals and Other Regulatory Parameters (ORPs)

Metals and ORPs were not detected or were detected as concentrations below the Table 2 RPI SCS in the submitted soil samples, with the exception of the following:

- Sample BH204 S2 – Sodium adsorption ratio (SAR) (28.0) exceeded the SCS of 5 and electrical conductivity (EC) (2.58 mS/cm) exceeded the SCS of 0.70 mS/cm.
- Sample BH205 S2 – SAR (7.09) exceeded the SCS of 5 and EC (0.738 mS/cm) exceeded the SCS of 0.70 mS/cm.
- Sample BH206 S4 – SAR (6.39) 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.

5.6.4 Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyls were not detected and were below the Table 3 RPI SCS in the submitted soil samples. Refer to Table 5 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 MDLs 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 6 in Appendix C.

5.7.2 VOCs

Volatile organic compounds were not detected in the submitted groundwater samples and met the Table 3 SCS, except for the following:

- Sample MW202 – Tetrachloroethylene (33.8 µg/g) exceeded the SCS of 1.6 µg/g.
- Sample MW203 – Tetrachloroethylene (18.3 µg/g) exceeded the SCS of 1.6 µg/g.

Refer to Table 7 in Appendix C.

Two groundwater samples tested during the 2022 Phase Two ESA contained chloroform at concentrations above the SCS. These results are included in Table 7.

5.7.3 Metals and ORPs

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

- Sample MW202 – Chloride (2,340,000 µg/L) exceeded the SCS of 2,300,000 µg/L.

The elevated chloride is 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 chloride impacts would not be considered "contamination". Reference is made to O. Reg. 153/04, as amended, s. 49 (1).

Refer to Table 9 in Appendix C.

5.7.4 Polychlorinated Biphenyls

Polychlorinated biphenyls were not detected or were detected at concentrations below the Table 3 SCS in the submitted groundwater samples. Refer to Table 10 in Appendix C.

5.7.5 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

Paracel Laboratories Ltd. (Paracel) 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 Paracel 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 Paracel 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 as well as blind field duplicates were obtained by G2S during the field work and submitted to Paracel as summarized in the following table:

Table 6: Trip Blank, Spike & Duplicate Sample Submissions

Sample I.D.	Date	Matrix	Rationale for Submission	Analysis
BH207 S1	04/29/24	Soil	Field duplicate of BH201 S1	PHCs, BTEX, PCBs
BH207 S4	04/29/24	Soil	Field duplicate of BH201 S4	VOCs, M/ORPs
MW204	05/06/24	GW	Field duplicate of MW202	PHCs BTEX, VOCs, M/ORPs,
MW205	05/06/24	GW	Field duplicate of MW201	PCBs
Trip Blank	05/01/24	GW	Laboratory Quality Assurance	VOCs

Note: GW – Groundwater
Sb – Antimony
As – Arsenic
Se - Selenium

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 BH201 S4 and duplicate sample BH207 S4. A summary of the data is presented in the following table.

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

Parameter	Sample ID	Analytical Result (µg/g)	RPD (%)
Water Soluble Boron	BH201 S4	20	59.8
	BH207 S4	37.1	

The maximum RPD for some metal parameters in the duplicate groundwater samples was outside of the acceptable statistical variation of 30 to 40% in samples MW202 and MW204. 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 (%)
Copper	MW202	1.1	53.3
	MW204	1.9	
pH	MW202	7.9	40.4
	MW204	11.9	

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 Paracel 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.

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 5 for soil and Tables 6 to 10 for groundwater. It is important to note that G2S has included the soil and groundwater data obtained for the Site by others in 2022 in evaluating the on-Site contamination.

Soil

One soil sample collected during the 2022 Phase Two ESA from the northwest section of the property (MW6-1, 0 - 0.76 m bgs) contained tetrachloroethylene at a concentration marginally above the Table 3 RPI SCS (0.4 µg/g over 0.28 µg/g). The extent of the soil impact has not been determined at this time.

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).

It is important to note that for the purposes of the full depth site cleanup, as compared with the SCS, given the heterogeneous nature of the fill on Site, the soil contamination is presumed to extend from ‘clean’ borehole to ‘clean’ borehole or to the property line. Refer to Drawings 6A to 6F for plan views of the soil analytical data.

Groundwater

The groundwater quality on-Site did not meet the Table 3 SCS in the monitoring wells tested for VOCs (tetrachloroethylene) and M/ORPs (chloride). The elevated chloride is 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 chloride impacts would not be considered “contamination”. Reference is made to O. Reg. 153/04, as amended, s. 49 (1).

The approximate extents of the groundwater contamination has not been delineated at this time.

Refer to Drawings 7A to 7F 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 May 2024, and to confirm a previous data set, 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.

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 May 2024, 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 on April 29, 2024, and included the advancement of six boreholes on-Site, three of which were installed as groundwater monitoring wells. Refer to Drawing 3 for the Borehole and Monitoring Well Location Plan.

The findings of this assignment are summarized as follows:

1. In general, the subsurface conditions of the building exterior included a pavement structure comprising approximately 50 to 75 millimeters of asphalt, underlain by granular material of 125 to 175 mm, underlain by silty sand, clayey silt and gravel fill materials (approximately 0.1 to 3.0 m below ground surface (bgs)), and native sandy silt to silt extending to borehole completion depths up to approximately 4.0 to 6.1 m bgs. Shale/till complex was identified from 4.6 to 4.9 m bgs and weathered shale bedrock was encountered at depths from 4.9 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 May 13, 2024, between depths of 0.37 and 4.42 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), metals and other regulated parameters (ORPs), and polychlorinated biphenyls (PCBs). 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 BH204 S2 – Sodium adsorption ratio (SAR) (28.0) exceeded the SCS of 5 and electrical conductivity (EC) (2.58 mS/cm) exceeded the SCS of 0.70 mS/cm.

    - Sample BH205 S2 – SAR (7.09) exceeded the SCS of 5 and EC (0.738 mS/cm) exceeded the SCS of 0.70 mS/cm.

    - Sample BH206 S4 – SAR (6.39) exceeded the SCS of 5.

4. One soil sample collected during a previous Phase Two ESA contained tetrachloroethylene at a concentration marginally above the Table 3 SCS (0.4 µg/g vs 0.28 µg/g) (MW6-1, 0-0.76 m bgs).

5. Groundwater samples from the monitoring wells were submitted for laboratory analysis of PHCs F1-F4 including BTEX, VOCs, metals and ORPs, and 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 MW202 – Tetrachloroethylene (33.8 µg/g) exceeded the SCS of 1.6 µg/g.
    - Sample MW203 – Tetrachloroethylene (18.3 µg/g) exceeded the SCS of 1.6 µg/g.
    - Sample MW202 – Chloride (2,340,000 µg/L) exceeded the SCS of 2,300,000 µg/L.

6. The elevated EC and SAR in soil and chloride in groundwater 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 site condition standard is deemed not to be exceeded. In this regard, the EC, SAR, sodium, and chloride impacts would not be considered "contamination". Reference is made to O. Reg. 153/04, as amended, s. 49 (1).

Based on the results of the Phase Two ESA, the Site does not meet the applicable MECP Table 3 RPI SCS, due to tetrachloroethylene (PCE) present in soil and groundwater at concentrations above the Table 3 SCS. The extent of the PCE impacts has not been determined at the time of this report.

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 Ms. 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. Whitney Bowden, B.Sc. Ms. Bowden 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).

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) *"Phase I Environmental Site Assessment, 3403 – 3445 Fieldgate Drive, Mississauga, Ontario,"* dated October 2022, prepared by Pinchin.

j) *"Phase II Environmental Site Assessment, 3403 – 3445 Fieldgate Drive, Mississauga, Ontario,"* dated December 2022, prepared by Pinchin.

k) *"Phase One Environmental Site Assessment, 3403 – 3445 Fieldgate Drive, Mississauga, Ontario,"* dated May 23, 2024, prepared by G2S for Forest Glen Shopping Centre Ltd. Ref. G2S24018A.

9. Limitations

This report has been prepared for the sole benefit of Forest Glen Shopping Centre Ltd. (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,

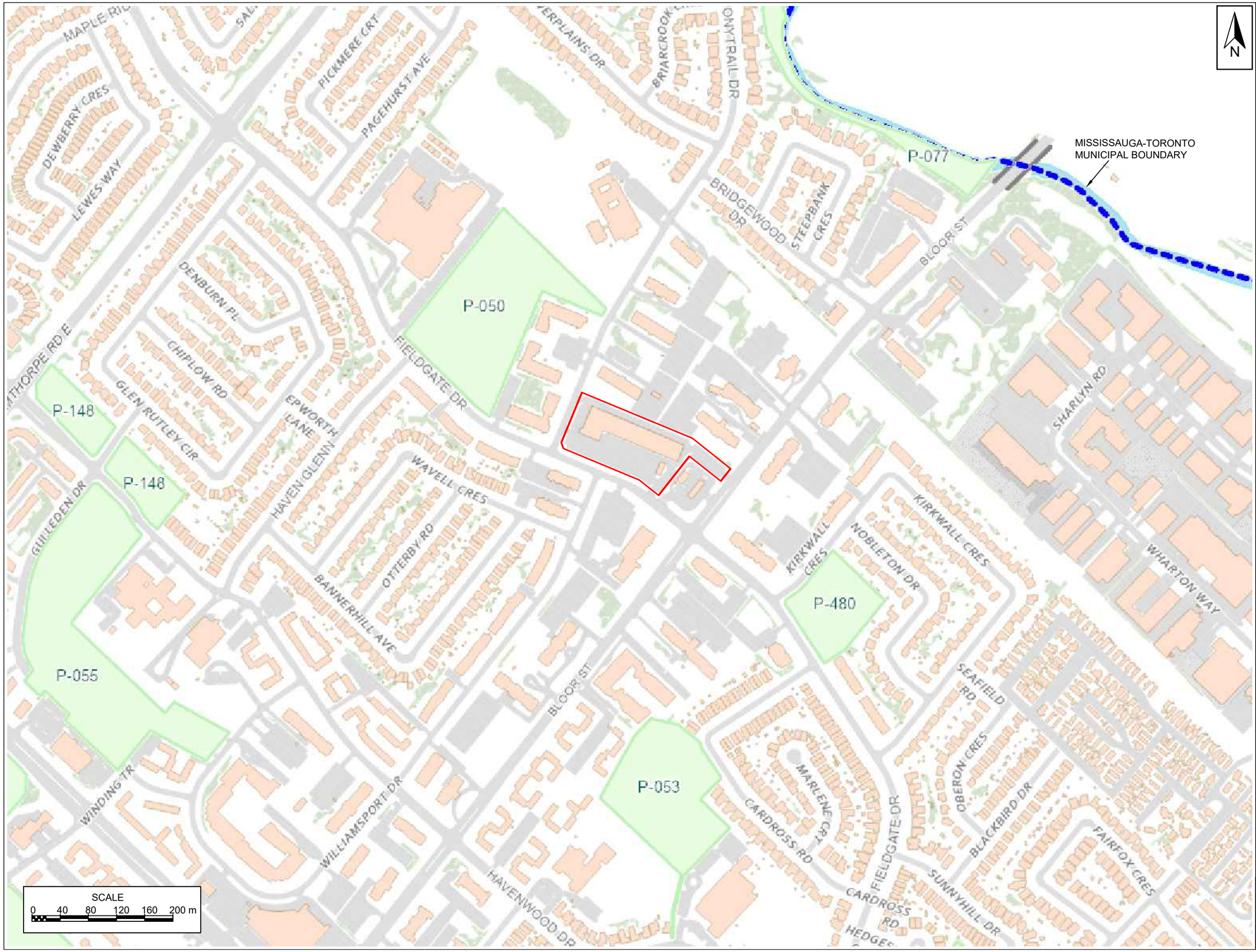
G2S Consulting Inc.

Hailey Perras, B.Sc.
Environmental Technician

Steve Campbell, P. Geo.
Principal, Senior Geoscientist

Whitney Bowden, B.Sc.
Senior Project Manager

Appendix A:
Drawings



LEGEND

PHASE ONE ESA UPDATE, PHASE TWO ESA UPDATE, AND RSC SITE BOUNDARY

REFERENCE:
DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:
SITE LOCATION PLAN

CLIENT:
SAJECKI PLANNING INC.

LOCATION:
3403 - 3445 FIELDGATE DRIVE,
MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

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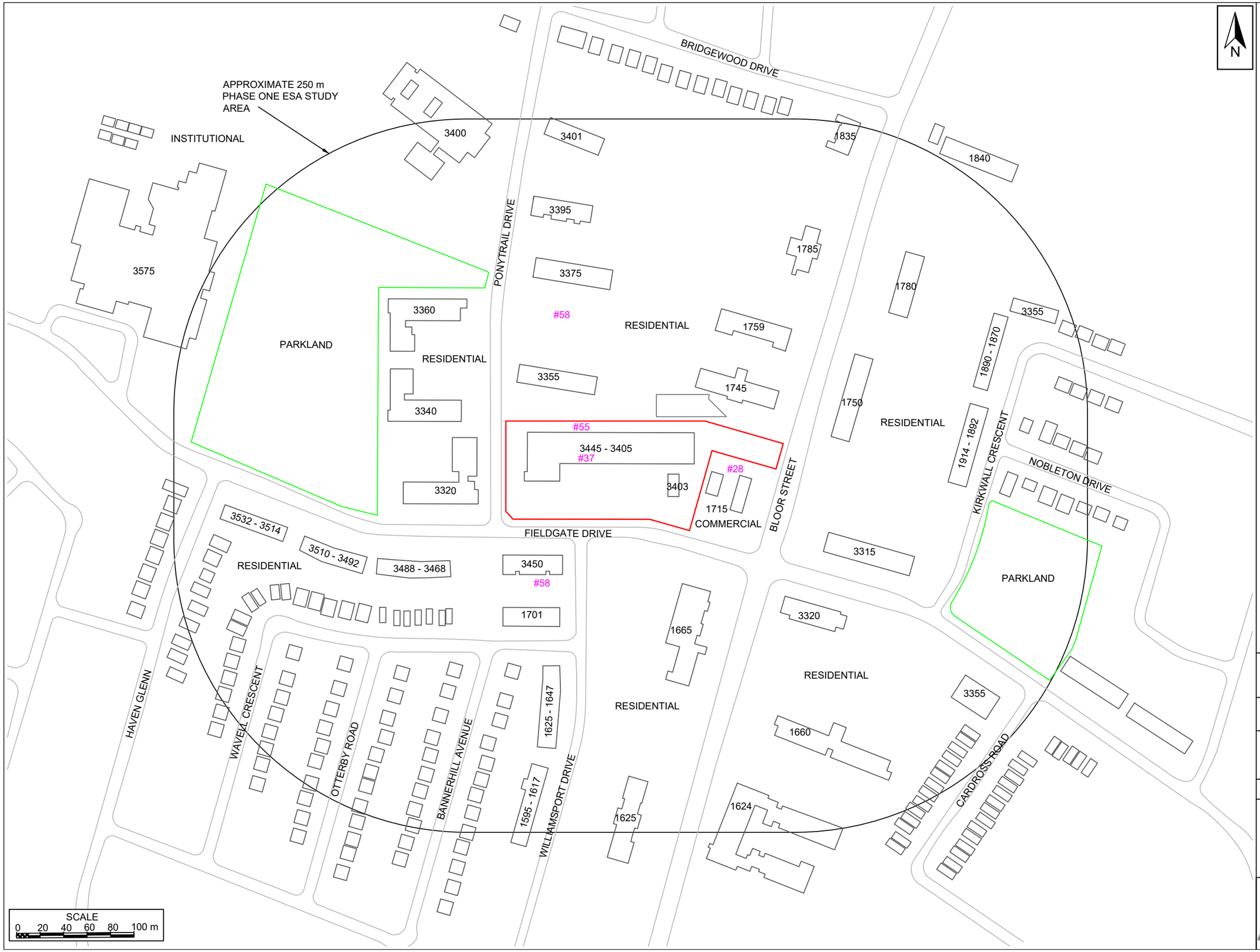
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg



LEGEND

PHASE ONE UPDATE, PHASE TWO ESA UPDATE AND RSC PROPERTY BOUNDARY

POTENTIALLY CONTAMINATING ACTIVITIES (PCAs) AS DEFINED IN TABLE 2 OF REG. 153/04

#28 GASOLINE & ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS

#37 OPERATION OF DRY-CLEANING EQUIPMENT (WHERE CHEMICALS ARE USED)

#55 TRANSFORMER MANUFACTURING, PROCESSING AND USE

REFERENCE:
DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:
POTENTIALLY CONTAMINATING ACTIVITIES (PCAs)

CLIENT:
SAJECKI PLANNING INC.

LOCATION:
3403 - 3445 FIELDGATE DRIVE
MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	2
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg

LEGEND

PHASE ONE ESA UPDATE, PHASE TWO ESA UPDATE AND RSC SITE BOUNDARY

#28 PCA CONTRIBUTING TO APEC

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

APEC 1 — WEST CENTRAL PORTION - THE WEST PORTION OF THE UNIT WITH MUNICIPAL ADDRESS 3437 FIELDGATE DRIVE WAS USED BY VARIOUS DRY-CLEANING OPERATIONS FROM APPROXIMATELY 1968 UNTIL 2020. VARIOUS OPERATION LOCATED WITHIN THE UNIT WERE REGISTERED UNDER HWIN AS GENERATORS OF HALOGENATED SOLVENTS. ADDITIONALLY 1 L OF TETRACHLOROETHYLENE WAS SPILLED TO THE ASPHALT IN 2016

APEC 2 — WEST PORTION - 1,135 L OF MINERAL OIL CONFIRMED NOT TO CONTAIN PCBs WAS RELEASED TO THE GROUND ON THE NORTHWEST PORTION OF THE SITE

APEC 3A/B — NORTHWEST PORTION - TWO OIL COOLED TRANSFORMERS ARE LOCATED ON THE NORTHWEST PORTION OF THE SITE

APEC 4 — ENTIRE SITE - USE OF DE-ICING SALT ON PARTS OF THE SITE USED FOR PARKING

APEC 5 — EAST PORTION - CURRENT AND HISTORICAL PRESENCE OF RFOs

REFERENCE:
DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

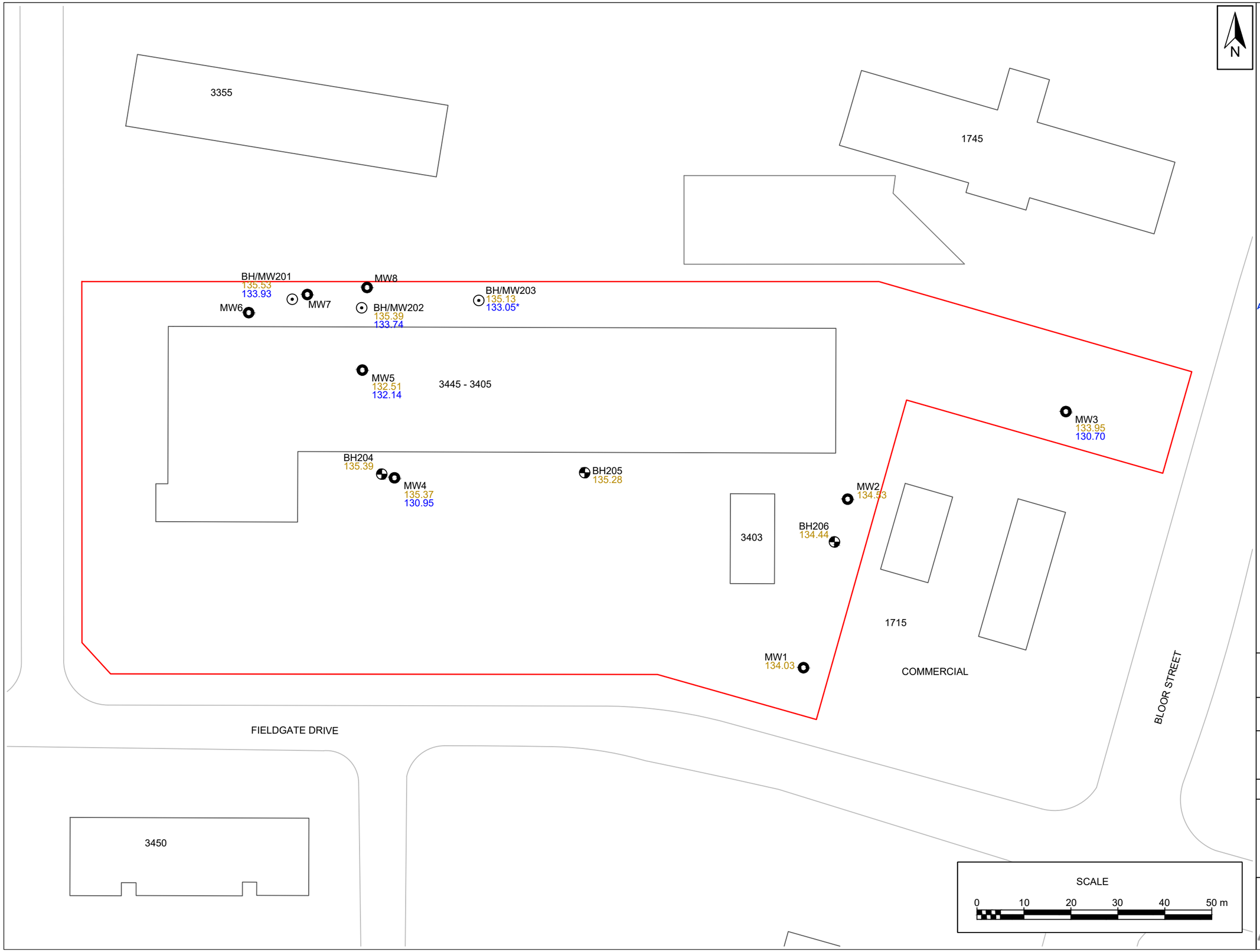
TITLE:
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APECs)

CLIENT:
SAJECKI PLANNING INC.

LOCATION:
3403 - 3445 FIELDGATE DRIVE, MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	3
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg



LEGEND

- APPROXIMATE SITE LIMITS
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE ADVANCED BY G2S (MARCH 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY G2S (MARCH 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- 88.88 GROUND SURFACE ELEVATION (m)
- 88.88 MEASURED GROUNDWATER ELEVATION (m) (MAY 13, 2024)
- A A' CROSS SECTION LOCATION (SEE DRAWINGS 17 TO 26)

NOTE:

*GROUNDWATER LEVEL RECORDED MAY 6, 2024

REFERENCE:

DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:

BOREHOLE AND MONITORING WELL LOCATION PLAN

CLIENT:

SAJECKI PLANNING INC.

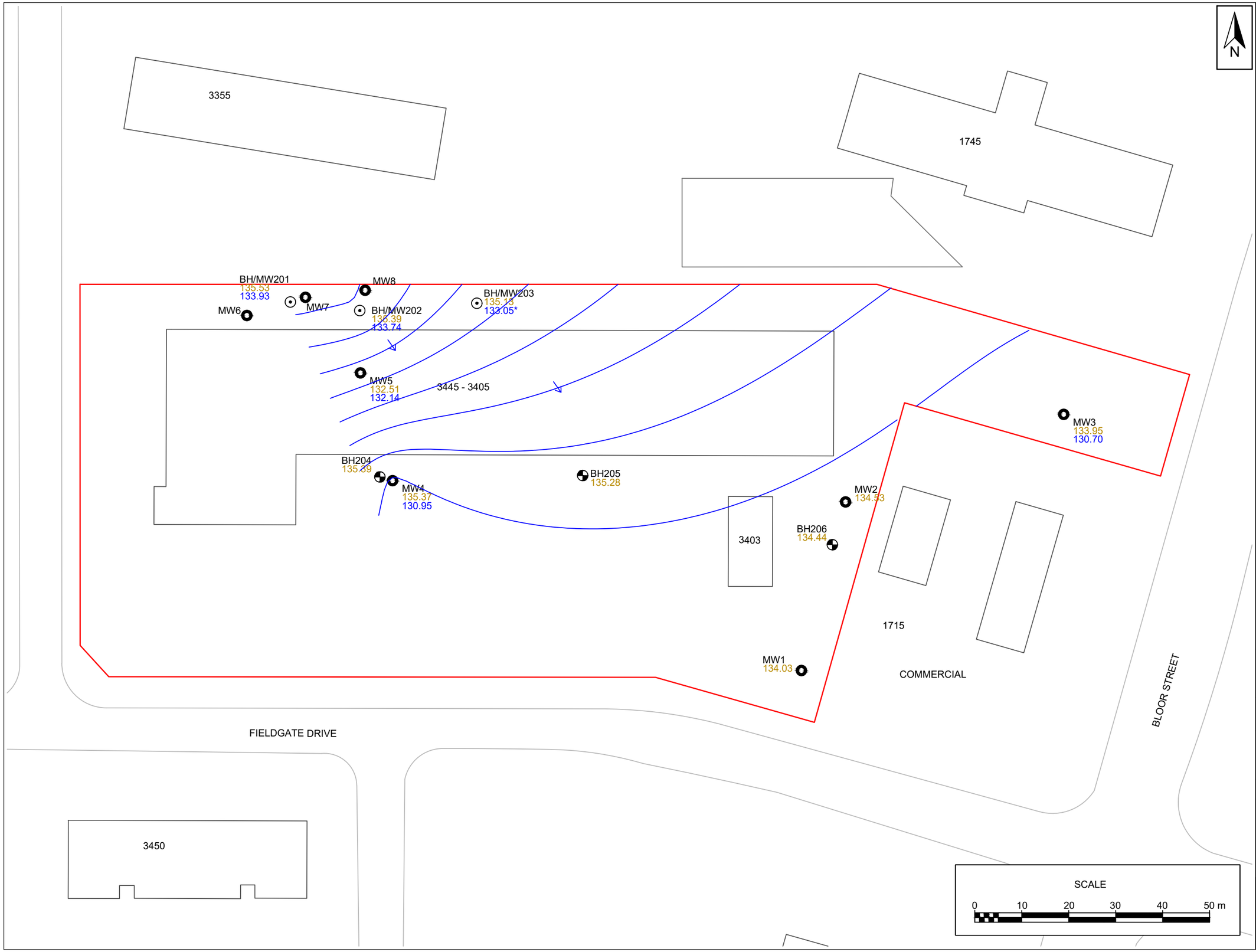
LOCATION:

3403 - 3445 FIELDGATE DRIVE

MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	4
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg



LEGEND

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE ADVANCED BY G2S (MARCH 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY G2S (MARCH 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- 88.88 GROUND SURFACE ELEVATION (m)
- 88.88 MEASURED GROUNDWATER ELEVATION (m) (MAY 13, 2024)**
- INFERRED GROUNDWATER FLOW DIRECTION

NOTE:

*GROUNDWATER LEVEL RECORDED MAY 6, 2024

**GROUNDWATER CONTOURS PRODUCED USING MW3, MW4, BH/MW201, AND BH/MW202

REFERENCE:

DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:

GROUNDWATER CONTOUR PLAN -

MAY 13, 2024

CLIENT:

SAJECKI PLANNING

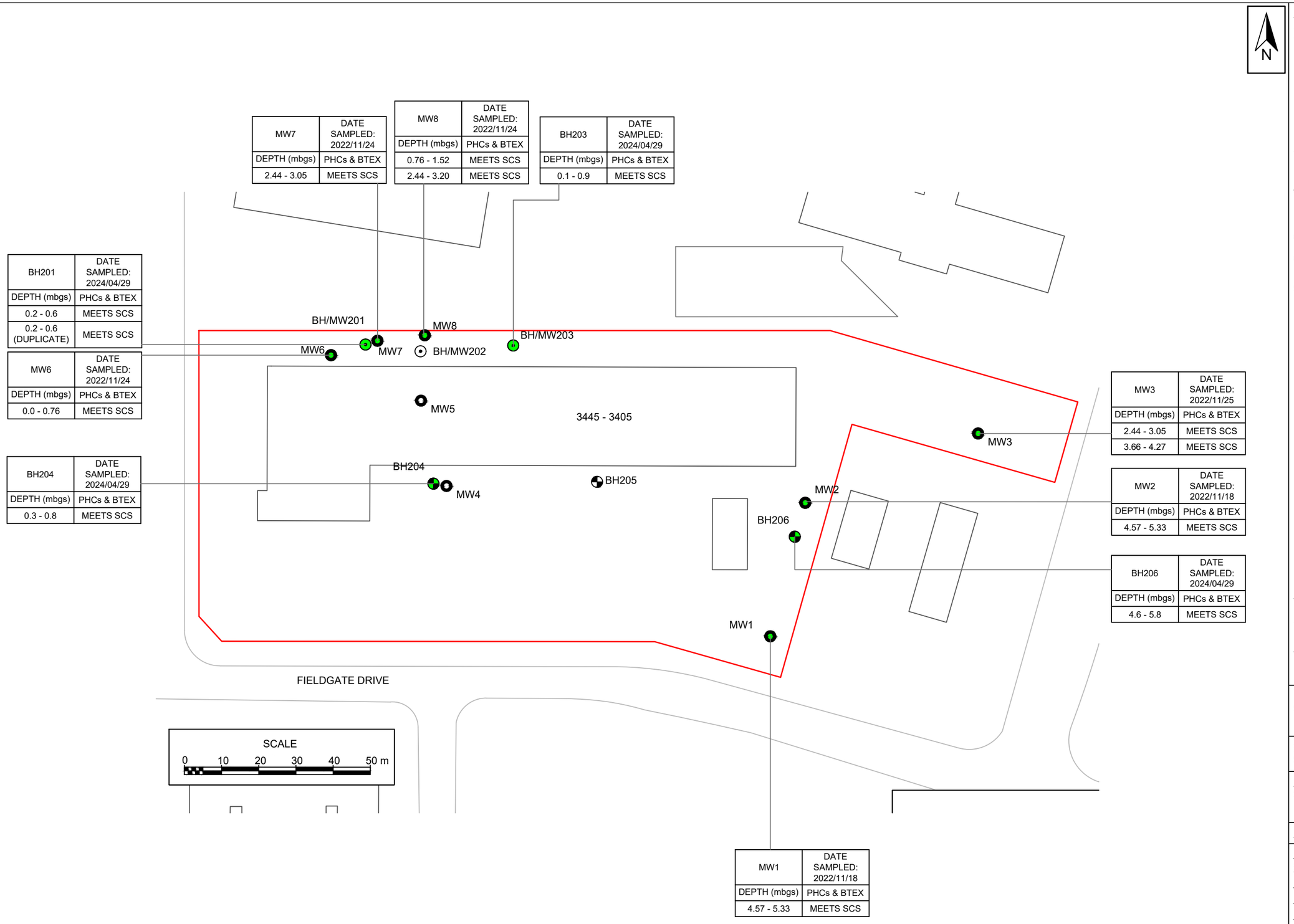
LOCATION:

3403 - 3445 FIELDGATE DRIVE

MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	5
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg



MW7	DATE SAMPLED: 2022/11/24
DEPTH (mbgs)	PHCs & BTEX
2.44 - 3.05	MEETS SCS

MW8	DATE SAMPLED: 2022/11/24
DEPTH (mbgs)	PHCs & BTEX
0.76 - 1.52	MEETS SCS
2.44 - 3.20	MEETS SCS

BH203	DATE SAMPLED: 2024/04/29
DEPTH (mbgs)	PHCs & BTEX
0.1 - 0.9	MEETS SCS

BH201	DATE SAMPLED: 2024/04/29
DEPTH (mbgs)	PHCs & BTEX
0.2 - 0.6	MEETS SCS
0.2 - 0.6 (DUPLICATE)	MEETS SCS

MW6	DATE SAMPLED: 2022/11/24
DEPTH (mbgs)	PHCs & BTEX
0.0 - 0.76	MEETS SCS

BH204	DATE SAMPLED: 2024/04/29
DEPTH (mbgs)	PHCs & BTEX
0.3 - 0.8	MEETS SCS

MW3	DATE SAMPLED: 2022/11/25
DEPTH (mbgs)	PHCs & BTEX
2.44 - 3.05	MEETS SCS
3.66 - 4.27	MEETS SCS

MW2	DATE SAMPLED: 2022/11/18
DEPTH (mbgs)	PHCs & BTEX
4.57 - 5.33	MEETS SCS

BH206	DATE SAMPLED: 2024/04/29
DEPTH (mbgs)	PHCs & BTEX
4.6 - 5.8	MEETS SCS

MW1	DATE SAMPLED: 2022/11/18
DEPTH (mbgs)	PHCs & BTEX
4.57 - 5.33	MEETS SCS

LEGEND

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- SAMPLE MEETS MECP TABLE 3 RPI SCS
- SAMPLE DOES NOT MEET MECP TABLE 3 RPI SCS

SCS SITE CONDITION STANDARDS

PHCs PETROLEUM HYDROCARBONS F1 TO F4

BTEX BENZENE, TOLUENE, ETHYLBENZENE, XYLENES

NOTE:

REFER TO ANALYTICAL RESULTS TABLE IN APPENDIX C FOR THE SCS & FULL RESULTS, INCLUDING PARAMETERS THAT MET THE SCS

REFERENCE:

DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:

SOIL ANALYTICAL RESULTS -

PHC F1 - F4 + BTEX

CLIENT:

SAJECKI PLANNING INC.

LOCATION:

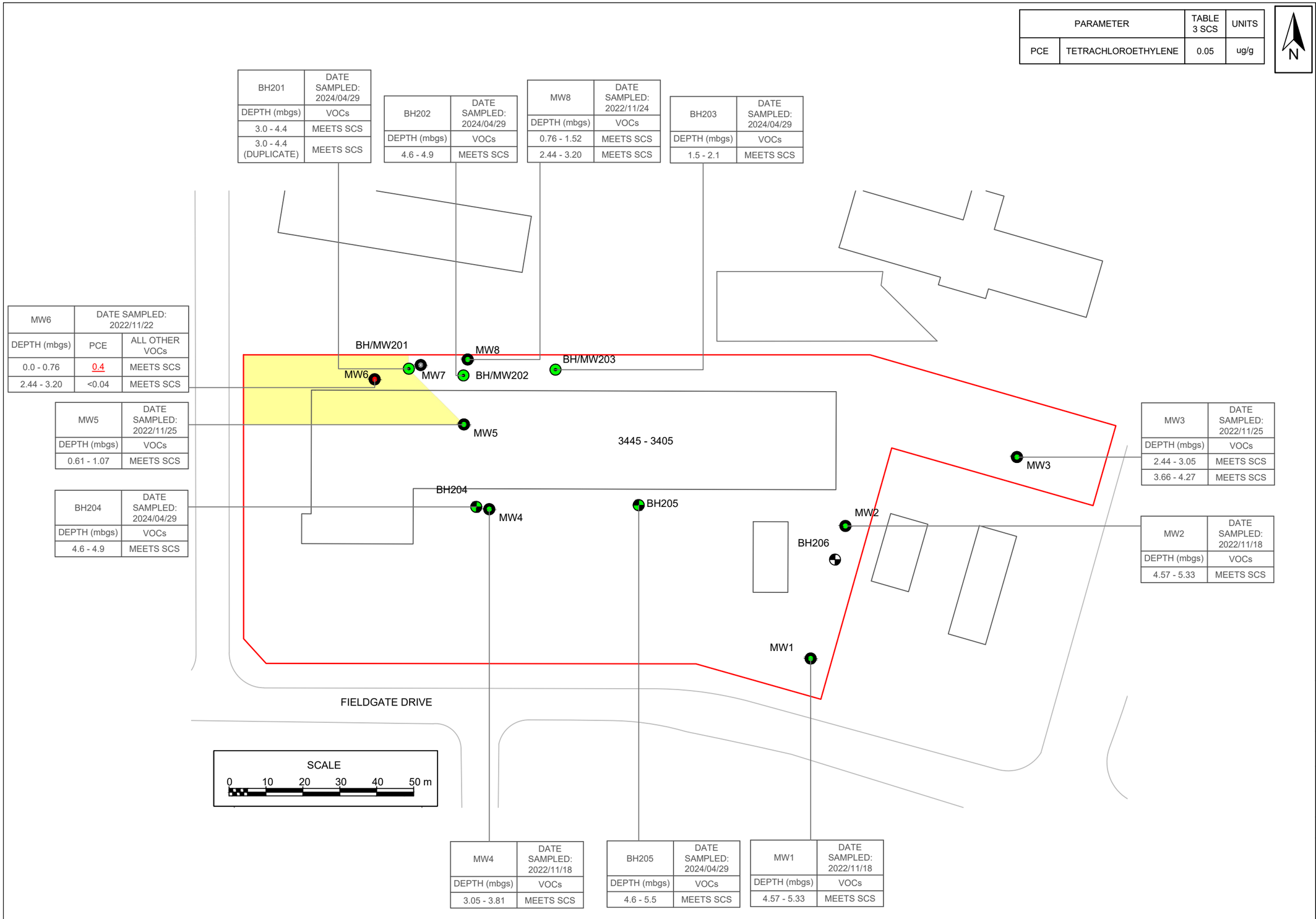
3403 - 3445 FIELDGATE DRIVE

MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	6A
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg

PARAMETER		TABLE 3 SCS	UNITS
PCE	TETRACHLOROETHYLENE	0.05	ug/g



BH201	DATE SAMPLED: 2024/04/29
DEPTH (mbgs)	VOCs
3.0 - 4.4	MEETS SCS
3.0 - 4.4 (DUPLICATE)	MEETS SCS

BH202	DATE SAMPLED: 2024/04/29
DEPTH (mbgs)	VOCs
4.6 - 4.9	MEETS SCS

MW8	DATE SAMPLED: 2022/11/24
DEPTH (mbgs)	VOCs
0.76 - 1.52	MEETS SCS
2.44 - 3.20	MEETS SCS

BH203	DATE SAMPLED: 2024/04/29
DEPTH (mbgs)	VOCs
1.5 - 2.1	MEETS SCS

MW6	DATE SAMPLED: 2022/11/22	
DEPTH (mbgs)	PCE	ALL OTHER VOCs
0.0 - 0.76	0.4	MEETS SCS
2.44 - 3.20	<0.04	MEETS SCS

MW5	DATE SAMPLED: 2022/11/25
DEPTH (mbgs)	VOCs
0.61 - 1.07	MEETS SCS

BH204	DATE SAMPLED: 2024/04/29
DEPTH (mbgs)	VOCs
4.6 - 4.9	MEETS SCS

MW3	DATE SAMPLED: 2022/11/25
DEPTH (mbgs)	VOCs
2.44 - 3.05	MEETS SCS
3.66 - 4.27	MEETS SCS

MW2	DATE SAMPLED: 2022/11/18
DEPTH (mbgs)	VOCs
4.57 - 5.33	MEETS SCS

MW4	DATE SAMPLED: 2022/11/18
DEPTH (mbgs)	VOCs
3.05 - 3.81	MEETS SCS

BH205	DATE SAMPLED: 2024/04/29
DEPTH (mbgs)	VOCs
4.6 - 5.5	MEETS SCS

MW1	DATE SAMPLED: 2022/11/18
DEPTH (mbgs)	VOCs
4.57 - 5.33	MEETS SCS

LEGEND

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- SAMPLE MEETS MECP TABLE 3 SCS
- SAMPLE DOES NOT MEET MECP TABLE 3 SCS
- SCS SITE CONDITION STANDARDS
- VOCs VOLATILE ORGANIC COMPOUNDS
- APPROXIMATE AREA OF SOIL EXCEEDING TABLE 3 RPI SCS

NOTE:

REFER TO ANALYTICAL RESULTS TABLE IN APPENDIX C FOR THE SCS & FULL RESULTS, INCLUDING PARAMETERS THAT MET THE SCS

REFERENCE:

DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:

SOIL ANALYTICAL RESULTS -

VOCs

CLIENT:

SAJECKI PLANNING INC.

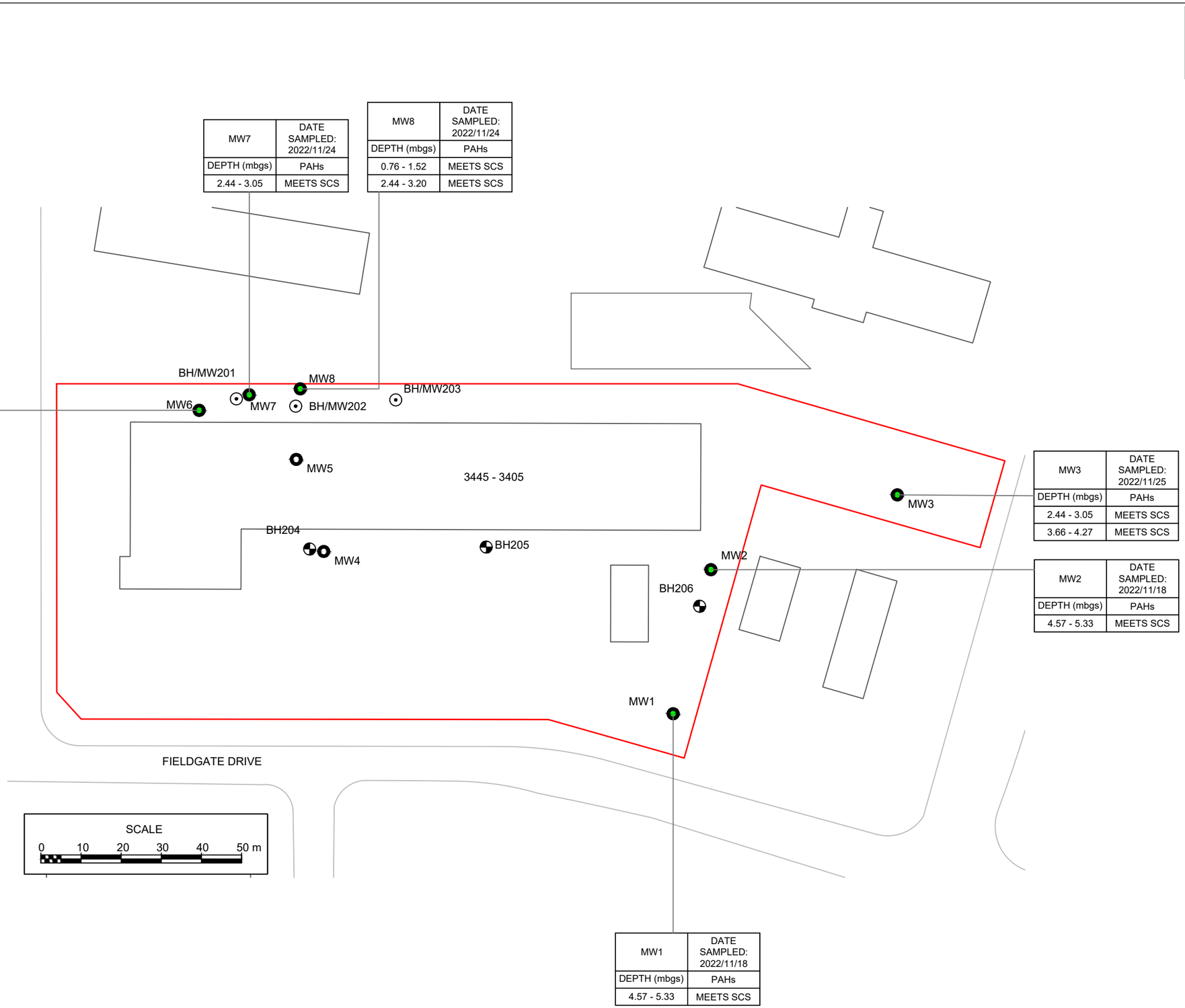
LOCATION:

3403 - 3445 FIELDGATE DRIVE

MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	6B
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg



LEGEND

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- SAMPLE MEETS MECP TABLE 3 SCS
- SAMPLE DOES NOT MEET MECP TABLE 3 SCS

SCS SITE CONDITION STANDARDS

PAHs POLYCYCLIC AROMATIC HYDROCARBONS

NOTE:

REFER TO ANALYTICAL RESULTS TABLE IN APPENDIX C FOR THE SCS & FULL RESULTS, INCLUDING PARAMETERS THAT MET THE SCS

REFERENCE:

DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:

SOIL ANALYTICAL RESULTS -

PAHs

CLIENT:

SAJECKI PLANNING INC.

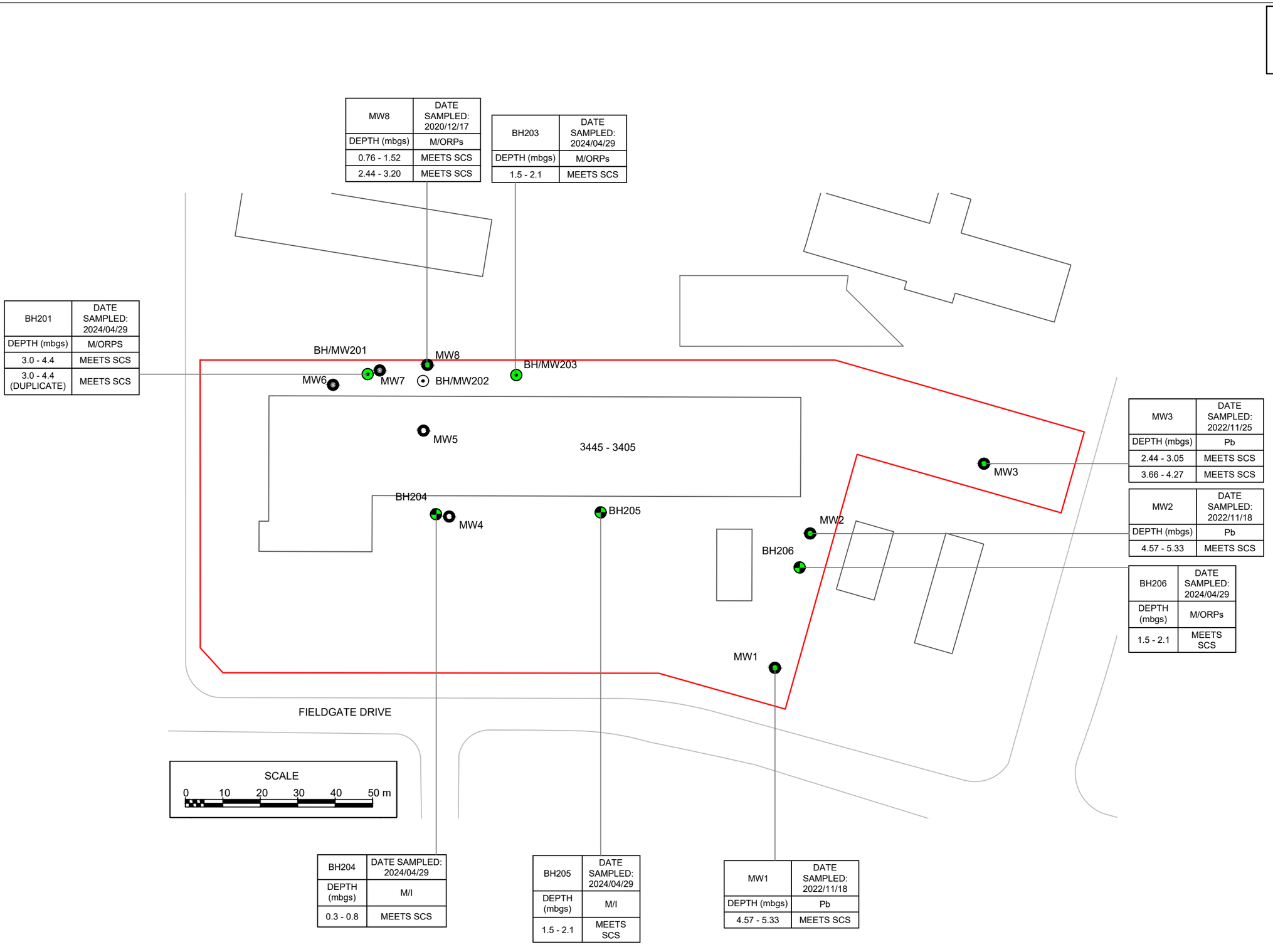
LOCATION:

3403 - 3445 FIELDGATE DRIVE

MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	6C
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg



LEGEND

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- SAMPLE MEETS MECP TABLE 3 SCS
- SAMPLE DOES NOT MEET MECP TABLE 3 SCS

SCS SITE CONDITION STANDARDS

M/I METALS AND INORGANICS

Pb LEAD

ORPs OTHER REGULATED PARAMETERS

NOTE:

REFER TO ANALYTICAL RESULTS TABLE IN APPENDIX C FOR THE SCS & FULL RESULTS, INCLUDING PARAMETERS THAT MET THE SCS

REFERENCE:

DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:

SOIL ANALYTICAL RESULTS -

METALS/ORPs

CLIENT:

SAJECKI PLANNING INC.

LOCATION:

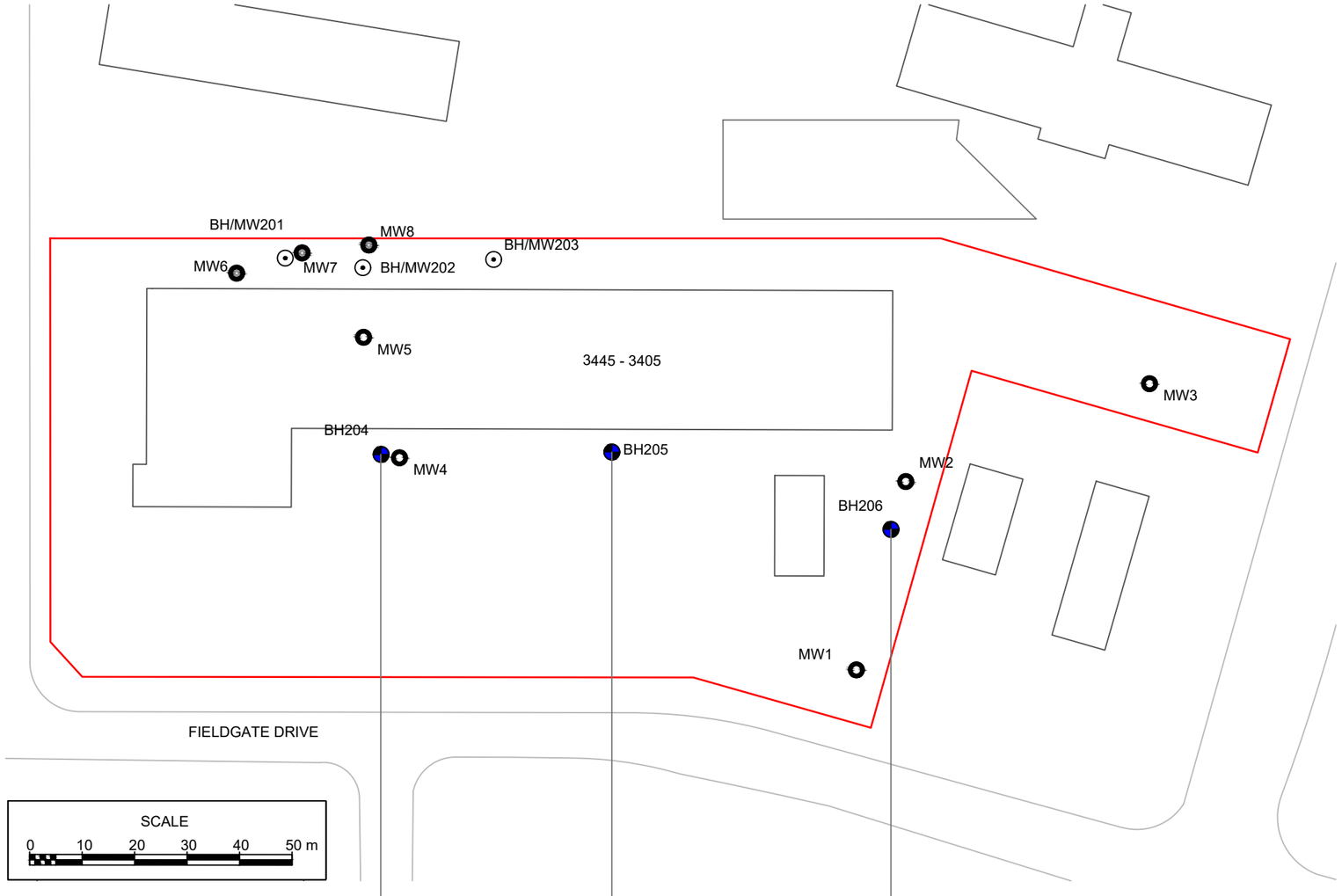
3403 - 3445 FIELDGATE DRIVE

MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	6D
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg

*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., IN THIS REGARDS, THE TESTED SOIL SAMPLES EXHIBITING EC EXCEEDANCES WOULD NOT CONSIDERED "CONTAMINATED". 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.



BH204	DATE SAMPLED: 2024/04/29	
DEPTH (mbgs)	EC	SAR
0.3 - 0.8	2.58*	28.0*

BH205	DATE SAMPLED: 2024/04/29	
DEPTH (mbgs)	EC	SAR
1.5 - 2.1	0.738*	7.09*

BH206	DATE SAMPLED: 2024/04/29	
DEPTH (mbgs)	EC	SAR
1.5 - 2.1	MEETS SCS	6.39*

LEGEND

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- SAMPLE IS EXEMPT FROM TABLE 3 SCS *SEE NOTE
- SAMPLE DOES NOT MEET MECP TABLE 3 SCS

SCS SITE CONDITION STANDARDS
EC ELECTRICAL CONDUCTIVITY
SAR SODIUM ADSORPTION RATE

NOTE:
REFER TO ANALYTICAL RESULTS TABLE IN APPENDIX C FOR THE SCS & FULL RESULTS, INCLUDING PARAMETERS THAT MET THE SCS

REFERENCE:
DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

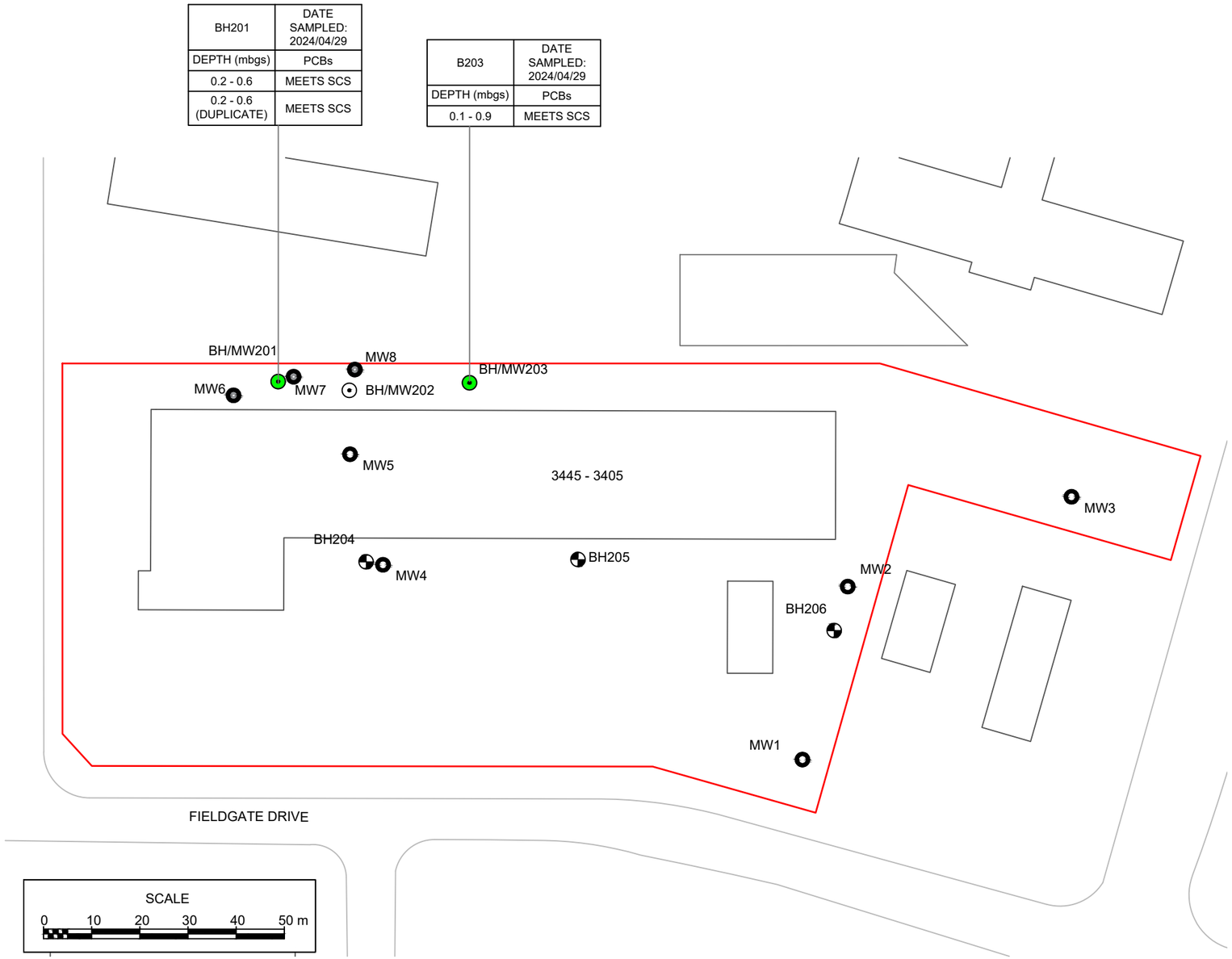
TITLE:
SOIL ANALYTICAL RESULTS -
EC AND SAR

CLIENT:
SAJECKI PLANNING INC.

LOCATION:
3403 - 3445 FIELDGATE DRIVE
MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	6E
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg



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LEGEND

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- SAMPLE MEETS MECP TABLE 3 SCS
- SAMPLE DOES NOT MEET MECP TABLE 3 SCS

SCS SITE CONDITION STANDARDS

PCBs POLYCHLORINATED BIPHENYLS

NOTE:

REFER TO ANALYTICAL RESULTS TABLE IN APPENDIX C FOR THE SCS & FULL RESULTS, INCLUDING PARAMETERS THAT MET THE SCS

REFERENCE:

DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:

SOIL ANALYTICAL RESULTS -

PCBs

CLIENT:

SAJECKI PLANNING INC.

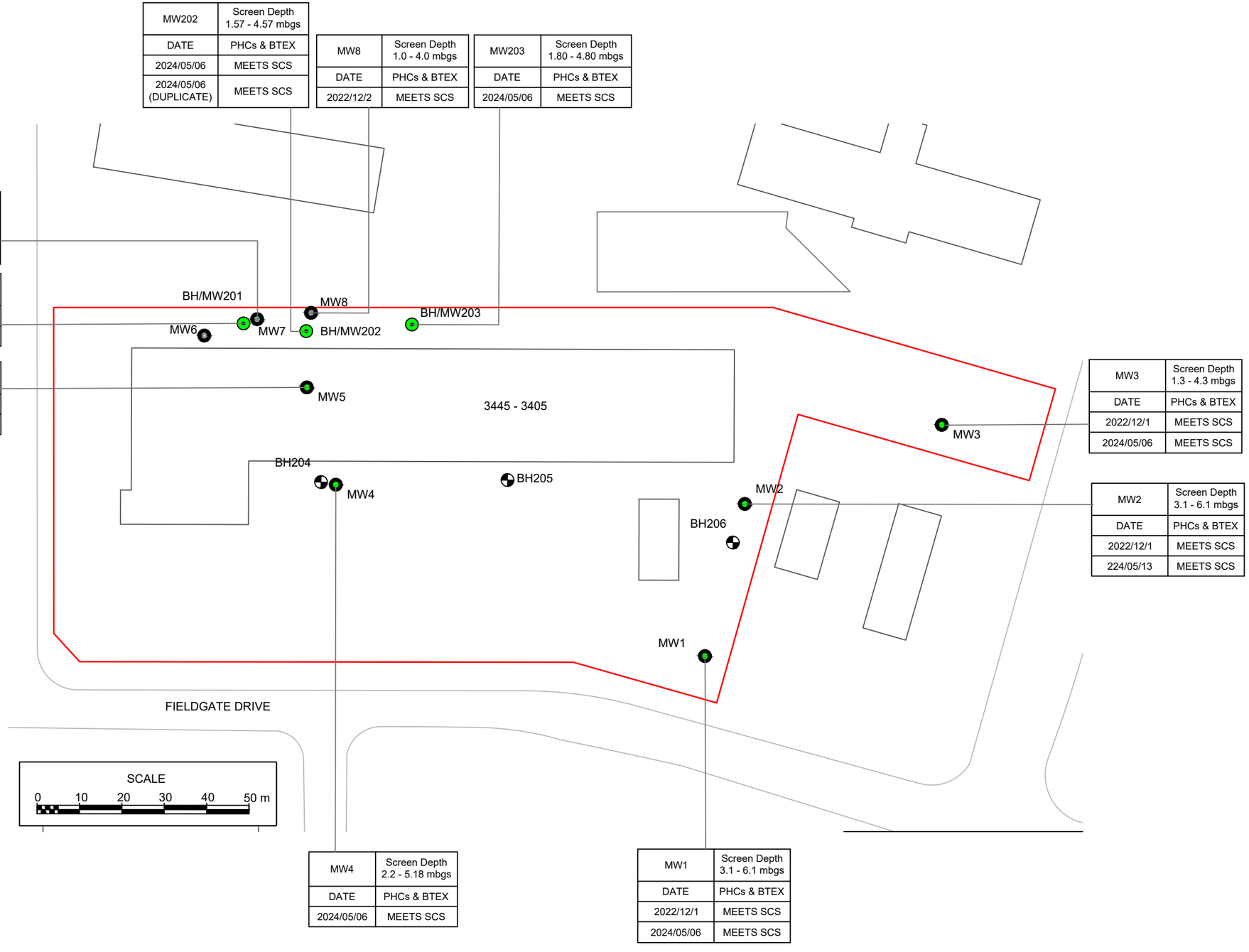
LOCATION:

3403 - 3445 FIELDGATE DRIVE

MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	6F
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg



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LEGEND

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- SAMPLE MEETS MECP TABLE 3 SCS
- SAMPLE DOES NOT MEET MECP TABLE 3 SCS

SCS SITE CONDITION STANDARDS

PHCs PETROLEUM HYDROCARBONS F1 TO F4

BTEX BENZENE, TOLUENE, ETHYLBENZENE, XYLENES

NOTE:

REFER TO ANALYTICAL RESULTS TABLE IN APPENDIX C FOR THE SCS & FULL RESULTS, INCLUDING PARAMETERS THAT MET THE SCS

REFERENCE:

DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:

GROUNDWATER ANALYTICAL RESULTS -

PHC F1 - F4 + BTEX

CLIENT:

SAJECKI PLANNING INC.

LOCATION:

3403 - 3445 FIELDGATE DRIVE

MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	7A
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg

PARAMETER		TABLE 3 SCS	UNITS
CFM	CHLOROFORM	2.4	ug/g
PCE	TETRACHLOROETHYLENE	1.6	ug/g

N

MW202	Screen Depth 1.57 - 4.57 mbgs	
DATE	PCE	ALL OTHER VOCs
2024/05/06	33.8	MEETS SCS
2024/05/06 (DUPLICATE)	30.1	MEETS SCS

MW8	Screen Depth 1.0 - 4.0 mbgs
DATE	VOCs
2022/12/2	MEETS SCS

MW203	Screen Depth 1.80 - 4.80 mbgs	
DATE	PCE	ALL OTHER VOCs
2024/05/06	18.3	MEETS SCS

MW201	Screen Depth 1.55 - 4.55 mbgs
DATE	VOCs
2024/05/06	MEETS SCS

MW6	Screen Depth 0.9 - 3.96 mbgs
DATE	VOCs
2022/12/2	MEETS SCS

MW5	Screen Depth 0.3 - 1.52 mbgs	
DATE	CFM	ALL OTHER VOCs
2022/12/02	5.0*	MEETS SCS
2024/05/06	<0.5	MEETS SCS

MW3	Screen Depth 1.3 - 4.3 mbgs
DATE	VOCs
2022/12/1	MEETS SCS
2024/05/06	MEETS SCS

MW2	Screen Depth 3.1 - 6.1 mbgs
DATE	VOCs
2022/12/1	MEETS SCS
2024/05/13	MEETS SCS

MW4	Screen Depth 2.2 - 5.18 mbgs	
DATE	CFM	ALL OTHER VOCs
2022/12/02	3.8*	MEETS SCS
2024/05/06	<0.5	MEETS SCS

MW1	Screen Depth 3.1 - 6.1 mbgs
DATE	VOCs
2022/12/1	MEETS SCS
2024/05/06	MEETS SCS

BH/MW201
MW8
BH/MW203
MW6
MW7
BH/MW202
MW5
3445 - 3405
MW3
BH204
BH205
MW4
MW2
BH206
MW1
FIELDGATE DRIVE

SCALE
0 10 20 30 40 50 m

LEGEND

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- SAMPLE MEETS MECP TABLE 3 SCS
- SAMPLE DOES NOT MEET MECP TABLE 3 SCS
- SAMPLE EXEMPT FROM MECP TABLE 3 SCS, SEE NOTE*

SCS SITE CONDITION STANDARDS

VOCs VOLATILE ORGANIC COMPOUNDS

APPROXIMATE GROUNDWATER PLUME EXCEEDING TABLE 3 SCS

PLUME HAS NOT BEEN FULLY DELINEATED

NOTE:

REFER TO ANALYTICAL RESULTS TABLE IN APPENDIX C FOR THE SCS & FULL RESULTS, INCLUDING PARAMETERS THAT MET THE SCS

*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.

REFERENCE:

DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

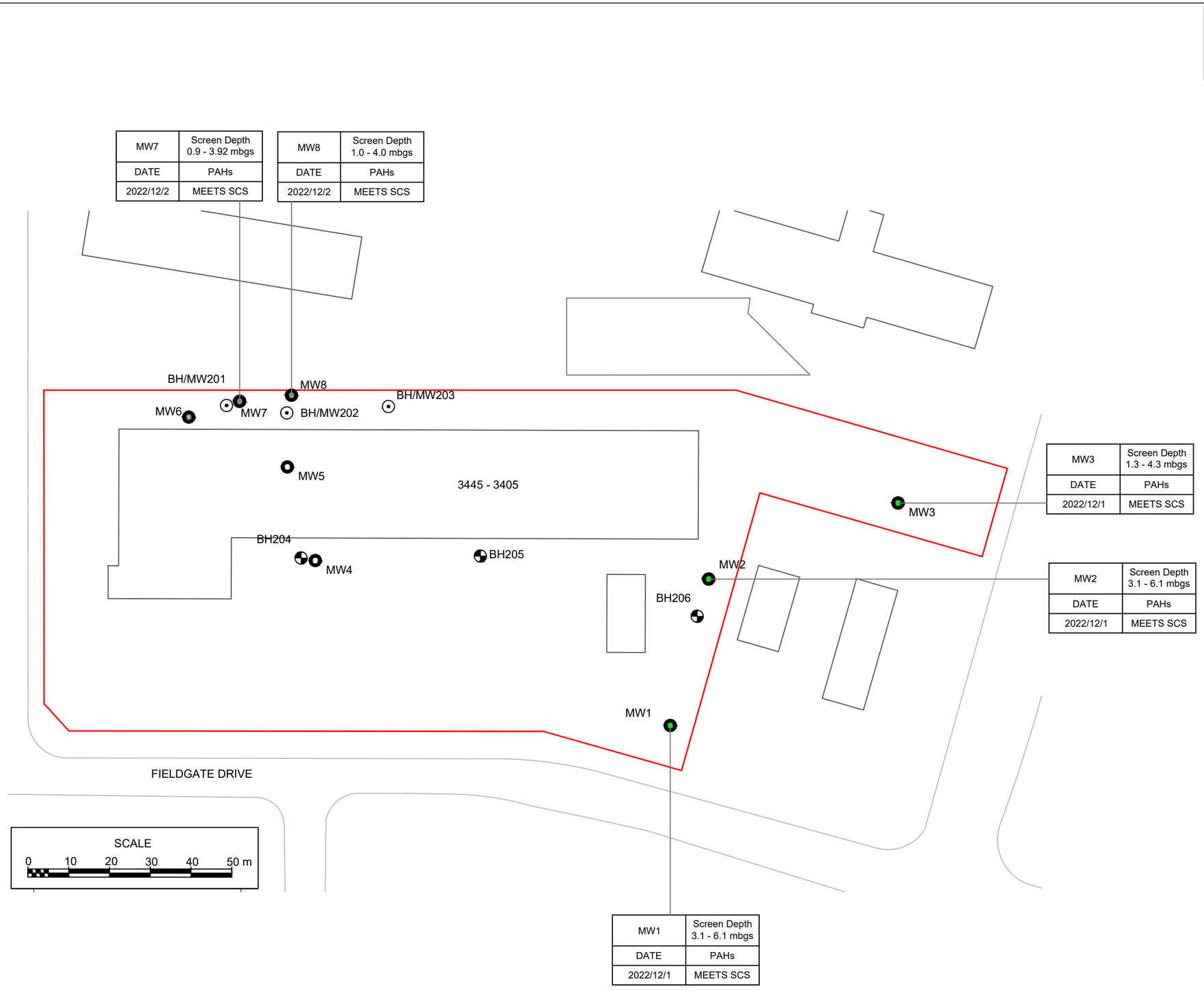
TITLE:
GROUNDWATER ANALYTICAL RESULTS - VOCs

CLIENT:
SAJECKI PLANNING INC.

LOCATION:
3403 - 3445 FIELDGATE DRIVE
MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	7B
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg



LEGEND

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- SAMPLE MEETS MECP TABLE 3 SCS
- SAMPLE DOES NOT MEET MECP TABLE 3 SCS

SCS SITE CONDITION STANDARDS

PAHs POLYCYCLIC AROMATIC HYDROCARBONS

NOTE:

REFER TO ANALYTICAL RESULTS TABLE IN APPENDIX C FOR THE SCS & FULL RESULTS, INCLUDING PARAMETERS THAT MET THE SCS

REFERENCE:

DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:

GROUNDWATER ANALYTICAL RESULTS - PAHs

CLIENT:

SAJECKI PLANNING INC.

LOCATION:

3403 - 3445 FIELDGATE DRIVE

MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	7C
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
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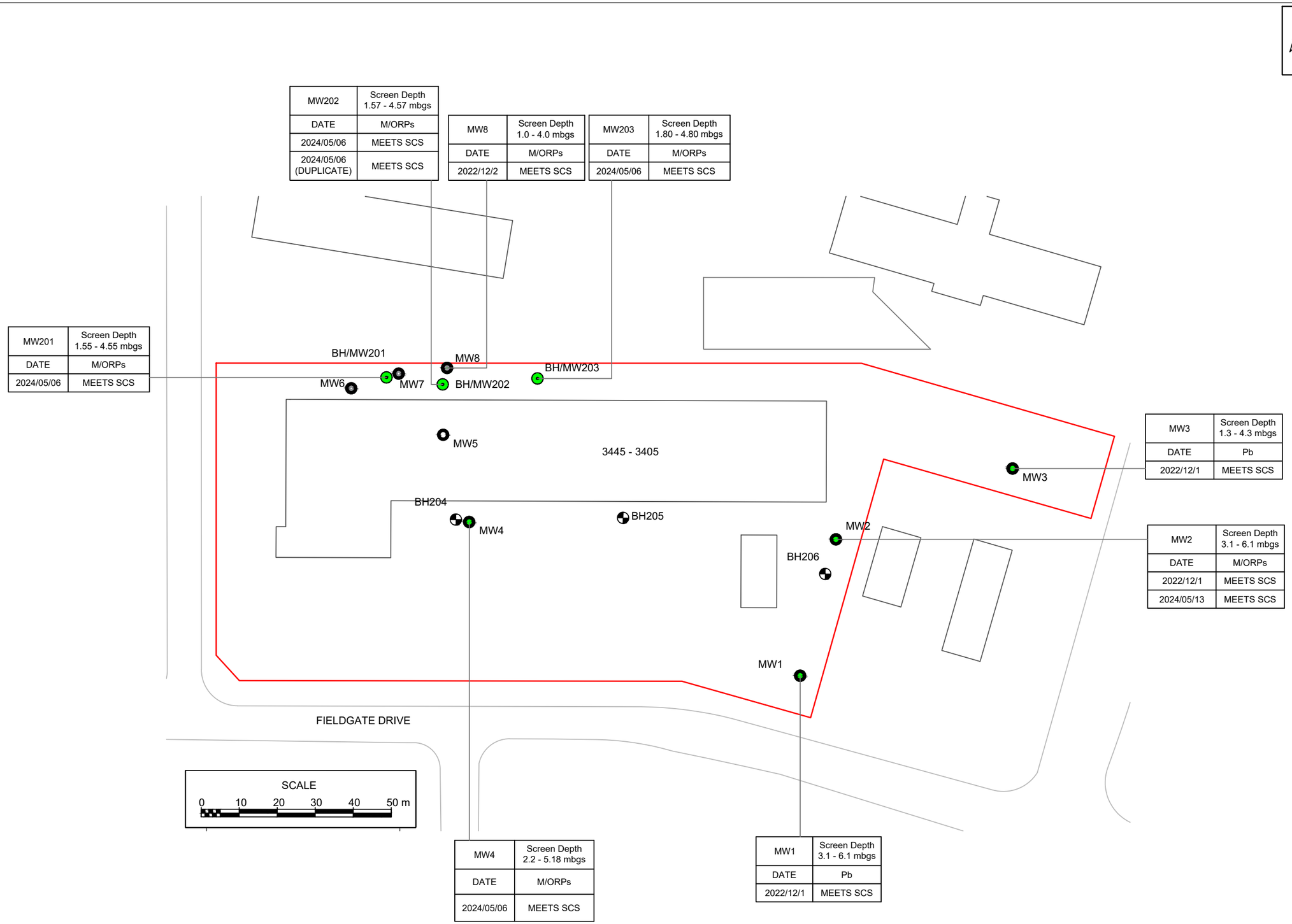


LEGEND

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- SAMPLE MEETS MECP TABLE 3 SCS
- SAMPLE DOES NOT MEET MECP TABLE 3 SCS

SCS SITE CONDITION STANDARDS

ORPs OTHER REGULATED PARAMETERS

Pb LEAD

NOTE:

REFER TO ANALYTICAL RESULTS TABLE IN APPENDIX C FOR THE SCS & FULL RESULTS, INCLUDING PARAMETERS THAT MET THE SCS

REFERENCE:

DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:

SOIL ANALYTICAL RESULTS -

METALS AND OTHER REGULATED PARAMETERS

CLIENT:

SAJECKI PLANNING INC.

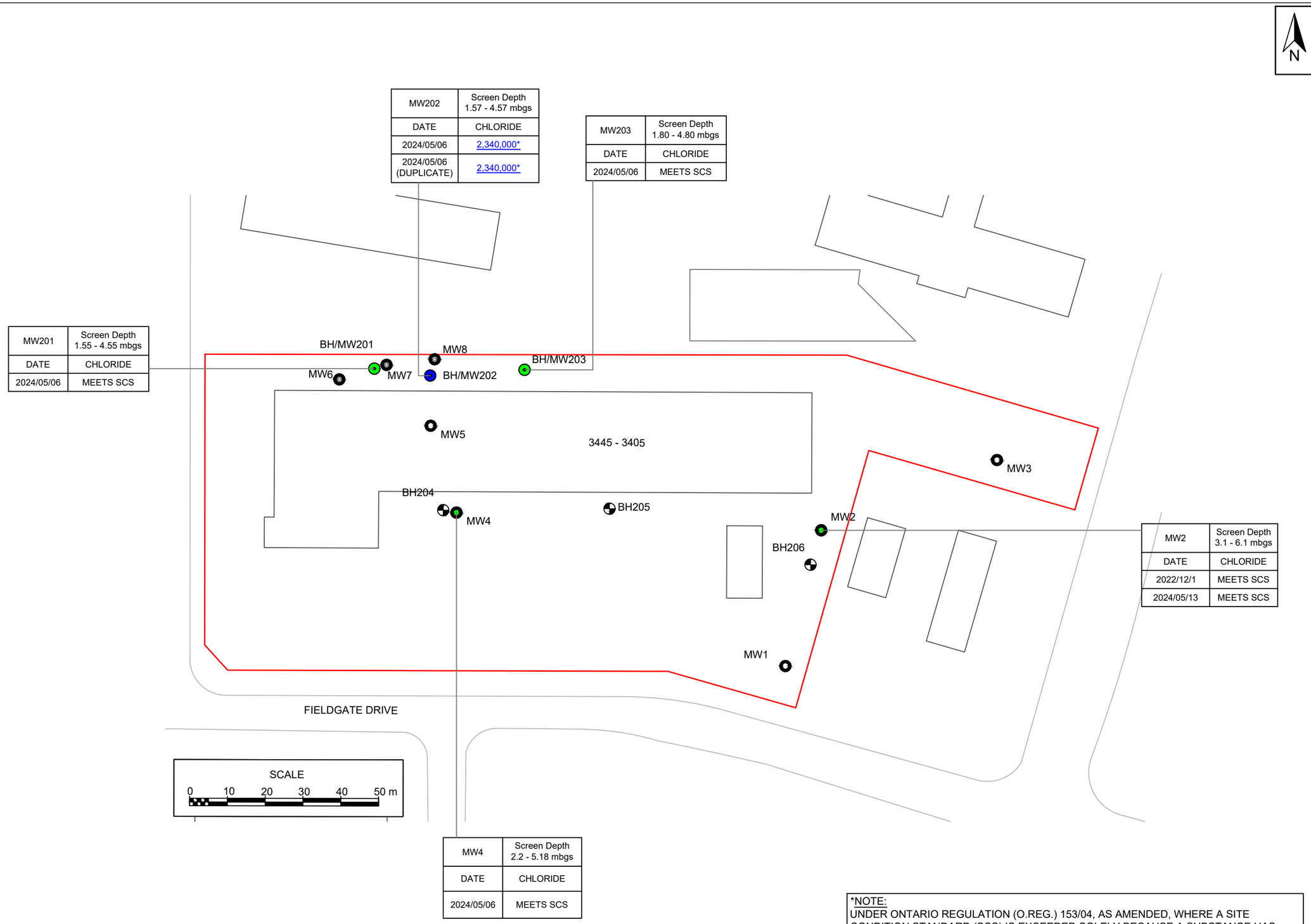
LOCATION:

3403 - 3445 FIELDGATE DRIVE

MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	7D
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg



*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., IN THIS REGARDS, THE TESTED SOIL SAMPLES EXHIBITING EC EXCEEDANCES WOULD NOT CONSIDERED "CONTAMINATED". 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

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- SAMPLE MEETS MECP TABLE 3 SCS
- SAMPLE EXEMPT FROM MECP TABLE 3 SCS, SEE NOTE*
- SCS SITE CONDITION STANDARDS

NOTE:
REFER TO ANALYTICAL RESULTS TABLE IN APPENDIX C FOR THE SCS & FULL RESULTS, INCLUDING PARAMETERS THAT MET THE SCS

REFERENCE:
DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

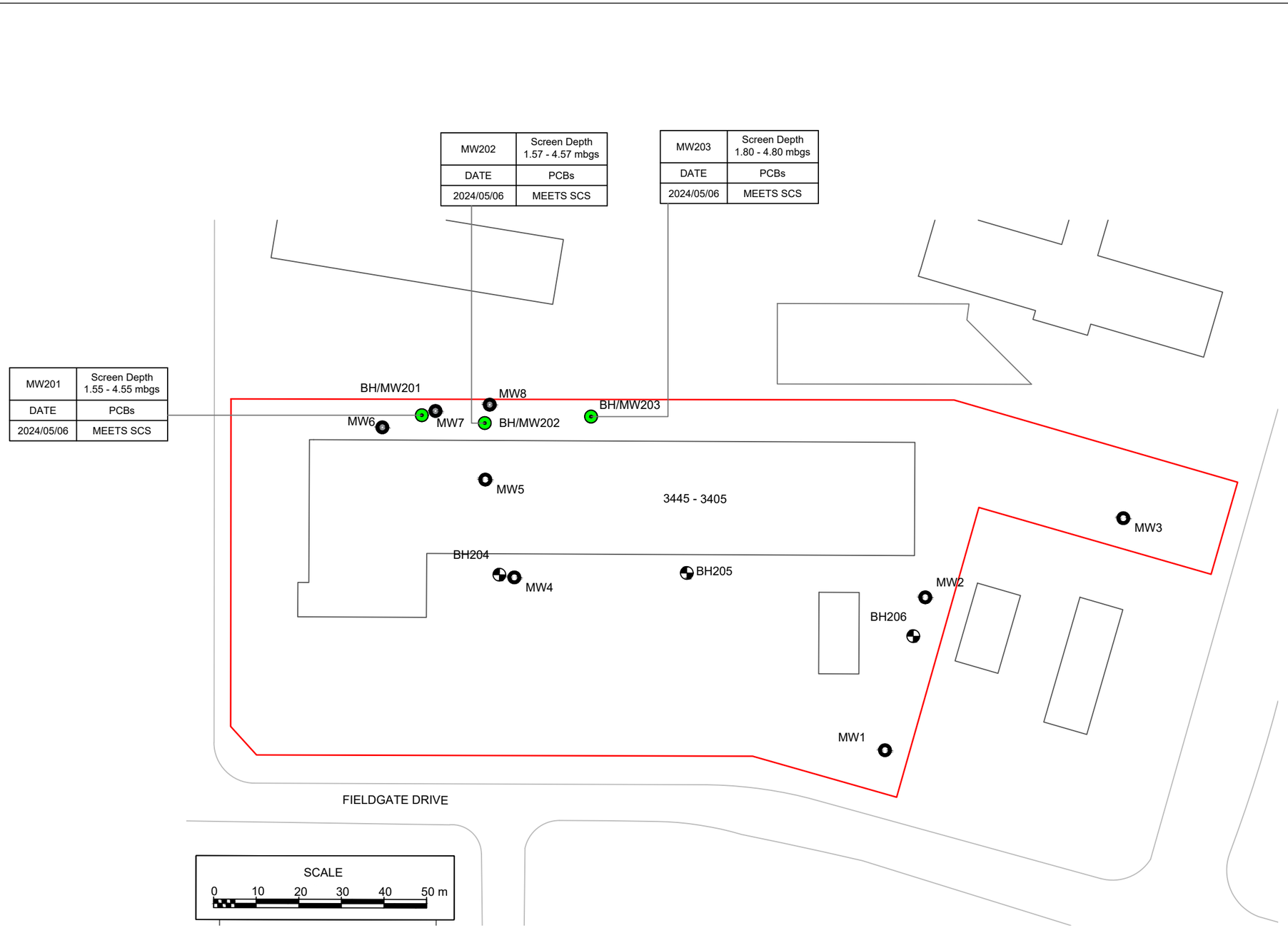
TITLE:
SOIL ANALYTICAL RESULTS -
CHLORIDE

CLIENT:
SAJECKI PLANNING INC.

LOCATION:
3403 - 3445 FIELDGATE DRIVE
MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	7E
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg



LEGEND

- PHASE ONE ESA UPDATE, SUPPLEMENTAL PHASE TWO ESA, AND RSC SITE LOCATION
- BOREHOLE ADVANCED BY G2S (APRIL 2024)
- BOREHOLE / MONITORING WELL ADVANCED BY G2S (APRIL 2024)
- BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- DAMAGED BOREHOLE/GROUNDWATER MONITORING WELL ADVANCED BY OTHERS (NOVEMBER 2022)
- SAMPLE MEETS MECP TABLE 3 SCS
- SAMPLE DOES NOT MEET MECP TABLE 3 SCS

SCS SITE CONDITION STANDARDS

PCBs POLYCHLORINATED BIPHENYLS

NOTE:

REFER TO ANALYTICAL RESULTS TABLE IN APPENDIX C FOR THE SCS & FULL RESULTS, INCLUDING PARAMETERS THAT MET THE SCS

REFERENCE:

DRAWING REPRODUCED USING THE CITY OF MISSISSAUGA INTERACTIVE MAPPING WEBSITE

TITLE:

SOIL ANALYTICAL RESULTS -

PCBs

CLIENT:

SAJECKI PLANNING INC.

LOCATION:

3403 - 3445 FIELDGATE DRIVE

MISSISSAUGA, ONTARIO

PROJECT NO.: G2S24018B

DRAWING:	7F
SCALE:	AS SHOWN
DATE:	MAY 2024
DRAWN BY:	HP/WB
FILE NAME:	G2S24018P2RSC.dwg

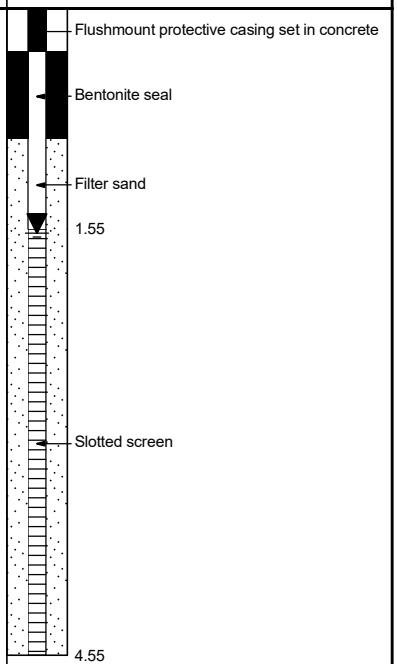
Appendix B:
Borehole Logs

BH/MW NUMBER 201

Consulting Inc.

CLIENT Forest Glen Shopping Centre Ltd.
PROJECT NAME Phase Two ESA
PROJECT NUMBER G2S24018B
PROJECT LOCATION 3403-3445 Fieldgate Drive, Mississauga, ON
DATE STARTED 24-4-29 **COMPLETED** 24-4-29
GROUND ELEVATION 135.53 m
DRILLING CONTRACTOR Ace Environmental Drilling Ltd.
LOGGED BY HP **CHECKED BY** WB/SC
DRILLING METHOD Geoprobe - Direct Push
NOTES

DEPTH (m)	MATERIAL DESCRIPTION	ELEVATION (m)	NUMBER	TYPE	SOIL GAS READINGS HEX/IBL (ppm)
0.2	GRANULAR: ~175 mm	135.36			
	FILL: Clayey silt, brown, trace sand, reworked appearance, moist		S1	DP	0/0
1			NR		
1.5		134.01			
	SILTY SAND: Brown, some gravel, reworked appearance, moist		S2	DP	0/0
2					
2.4		133.09			
	becoming grey		S3		0/0
3					
3.0		132.49			
	SILT: Grey, till-like, moist		S4	DP	0/0
4					
4.4		131.11			
	WEATHERED SHALE		S5		0/0
4.9		130.65	S6	DP	0/0



No further progress due to sampler refusal on possible bedrock
Borehole terminated at 4.9 m.

Water Level Readings:

Date	Depth (m)	Elev. (m)
2024-05-06	1.58	133.95
2024-05-13	1.60	133.93

BH/MW NUMBER 202

G2S Consulting Inc.

CLIENT Forest Glen Shopping Centre Ltd.
PROJECT NAME Phase Two ESA
PROJECT NUMBER G2S24018B
PROJECT LOCATION 3403-3445 Fieldgate Drive, Mississauga, ON
DATE STARTED 24-4-29 **COMPLETED** 24-4-29
GROUND ELEVATION 135.39 m
DRILLING CONTRACTOR Ace Environmental Drilling Ltd.
LOGGED BY HP **CHECKED BY** WB/SC
DRILLING METHOD Geoprobe - Direct Push
NOTES

DEPTH (m)	MATERIAL DESCRIPTION	ELEVATION (m)	NUMBER	TYPE	SOIL GAS READINGS HEX/IBL (ppm)
0.1	GRANULAR: ~125 mm	135.27			
	SILTY SAND: Brown, moist to very moist		S1	DP	25/0
1			NR		
2			S2		15/0
2.1		133.26			
	SANDY SILT: Brown, very moist to wet		S3	DP	10/0
3					
3.0		132.35			
	becoming grey, wet		S4	DP	25/0
4			NR		
4.6		130.82			
4.9	SHALE / TILL COMPLEX: Grey, moist	130.51	S5	DP	0/0

WELL DIAGRAM:
- Flushmount protective casing set in concrete
- Bentonite seal
- Filter sand
- 1.57
- Slotted screen
- 4.57

No further progress due to sampler refusal on possible bedrock
Borehole terminated at 4.9 m.

Water Level Readings:

Date	Depth (m)	Elev. (m)
2024-05-06	1.63	133.76
2024-05-13	1.65	133.74

BH/MW NUMBER 203

G2S Consulting Inc.

CLIENT Forest Glen Shopping Centre Ltd.
PROJECT NAME Phase Two ESA
PROJECT NUMBER G2S24018B
PROJECT LOCATION 3403-3445 Fieldgate Drive, Mississauga, ON
DATE STARTED 24-4-29 **COMPLETED** 24-4-29
GROUND ELEVATION 135.13 m
DRILLING CONTRACTOR Ace Environmental Drilling Ltd.
LOGGED BY HP **CHECKED BY** WB/SC
DRILLING METHOD Geoprobe - Direct Push
NOTES

DEPTH (m)	MATERIAL DESCRIPTION	ELEVATION (m)	NUMBER	TYPE	SOIL GAS READINGS HEX/IBL (ppm)
0.1	GRANULAR: ~125 mm	135.01			
	FILL: Silty sand, brown, trace gravel, moist to very moist		S1	DP	0/0
1			NR		
1.5	becoming grey, wet	133.61	S2		0/0
2			S3	DP	0/0
2.9	SANDY SILT: Grey, wet	132.24	S4		0/0
3			S5		5/0
4.0	SHALE / TILL COMPLEX: Grey, moist	131.18		DP	
4			S6		10/0
4.9		130.25	NR	DP	

WELL DIAGRAM: Flushmount protective casing set in concrete; Bentonite seal; Filter sand; 1.80; Slotted screen; 4.80

No further progress due to sampler refusal on possible bedrock
Borehole terminated at 4.9 m.

Water Level Readings:

Date	Depth (m)	Elev. (m)
2024-05-06	2.08	133.05

BOREHOLE NUMBER 204

Consulting Inc.

CLIENT Forest Glen Shopping Centre Ltd.
PROJECT NAME Phase Two ESA
PROJECT NUMBER G2S24018B
PROJECT LOCATION 3403-3445 Fieldgate Drive, Mississauga, ON
DATE STARTED 24-4-29 **COMPLETED** 24-4-29
GROUND ELEVATION 135.39 m
DRILLING CONTRACTOR Ace Environmental Drilling Ltd.
LOGGED BY HP **CHECKED BY** WB/SC
DRILLING METHOD Geoprobe - Direct Push
NOTES

DEPTH (m)	MATERIAL DESCRIPTION	ELEVATION (m)	GRAPHIC LOG	NUMBER	TYPE	SOIL GAS READINGS HEX/IBL (ppm)	WELL DIAGRAM
	0.1 ASPHALT: ~50 mm	135.34					
	0.1 GRANULAR: ~75 mm	135.27		S1	DP	0/0	
	0.3 FILL: Silty sand, brown, trace gravel, moist	135.09		S2		0/0	
1	becoming dark brown, odour noted			NR			
	1.5	133.87					
2	SILTY SAND: Dark brown, reworked appearance, moist			S3	DP	0/0	
	2.1 becoming light brown	133.26		S4		0/0	
3	3.0	132.35					
	SANDY SILT: Grey, moist			S5	DP	0/0	
4	4.1	131.29		S6		0/0	
	SHALE / TILL COMPLEX: Grey, moist			S7		0/0	
	4.9	130.51		S8	DP	0/0	

No further progress due to sampler refusal on possible bedrock
Borehole terminated at 4.9 m.

Upon completion of drilling
No cave
No free water

BOREHOLE NUMBER 205

Consulting Inc.

CLIENT Forest Glen Shopping Centre Ltd.
PROJECT NAME Phase Two ESA
PROJECT NUMBER G2S24018B
PROJECT LOCATION 3403-3445 Fieldgate Drive, Mississauga, ON
DATE STARTED 24-4-29 **COMPLETED** 24-4-29
GROUND ELEVATION 135.28 m
DRILLING CONTRACTOR Ace Environmental Drilling Ltd.
LOGGED BY HP **CHECKED BY** WB/SC
DRILLING METHOD Geoprobe - Direct Push
NOTES

DEPTH (m)	MATERIAL DESCRIPTION	ELEVATION (m)	GRAPHIC LOG	NUMBER	TYPE	SOIL GAS READINGS HEX/IBL (ppm)	WELL DIAGRAM
0.1	ASPHALT: ~75 mm	135.21					
0.1	GRANULAR: ~50 mm	135.16					
1	FILL: Silty sand, brown, trace gravel, moist			S1	DP	0/0	
				NR			
2				S2	DP	0/0	
				S3		0/0	
3	3.0	132.24					
	SANDY SILT: Brown, trace gravel, moist			S4	DP	0/0	
4				S5		0/0	
	4.6	130.71					
	becoming wet			S6	DP	0/0	
5	5.5	129.80					
	becoming grey			S7		0/0	
6	6.1	129.19					
	Borehole terminated at 6.1 m.						Upon completion of drilling No cave No free water

BOREHOLE NUMBER 206

G2S Consulting Inc.

CLIENT Forest Glen Shopping Centre Ltd. **PROJECT NAME** Phase Two ESA

PROJECT NUMBER G2S24018B **PROJECT LOCATION** 3403-3445 Fieldgate Drive, Mississauga, ON

DATE STARTED 24-4-29 **COMPLETED** 24-4-29 **GROUND ELEVATION** 134.44 m

DRILLING CONTRACTOR Ace Environmental Drilling Ltd. **LOGGED BY** HP **CHECKED BY** WB/SC

DRILLING METHOD Geoprobe - Direct Push **NOTES**

DEPTH (m)	MATERIAL DESCRIPTION	ELEVATION (m)	GRAPHIC LOG	NUMBER	TYPE	SOIL GAS READINGS HEX/IBL (ppm)	WELL DIAGRAM
0.1	ASPHALT: ~75 mm	134.37					
0.2		134.27		S1		0/0	
0.3	GRANULAR: ~100 mm	134.14		S2		0/0	
0.6	FILL: Silty sand, light brown, moist	133.84		S3	DP	0/0	
1	becoming silty clay, dark brown, moist						
	becoming sand, light brown, moist			NR			
1.5		132.92					
2	SILTY SAND: Light brown, reworked appearance, moist			S4		0/0	
				S5	DP	0/0	
3							
4				S6	DP	0/0	
4.6		129.87					
5	becoming wet			S7	DP	0/0	
5.8		128.66					
6	SANDY SILT: Brown, wet			S8		0/0	
6.1		128.35					

Borehole terminated at 6.1 m.

Upon completion of drilling
No cave
No free water

Appendix C:
Analytical Results Tables

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

Parameter	Unit	*Table 3 SCS RPI - Coarse	Sample Identification												
			MW1-7	MW2-7	MW3-5	MW3-7	MW6-1	MW7-5	MW8-2	MW8-4	BH201 S1	BH203 S1	BH204 S2	BH206 S7	BH207 S1 (Duplicate of BH201 S1)
Date Sampled			**18-Nov-22**	**18-Nov-22**	**25-Nov-22**	**25-Nov-22**	**24-Nov-22**	**24-Nov-22**	**24-Nov-22**	**24-Nov-22**	**29-Apr-24**	**29-Apr-24**	**29-Apr-24**	**29-Apr-24**	**29-Apr-24**
Depth	**mbgs**		**4.57 - 5.33**	**4.57 - 5.33**	**2.44 - 3.05**	**3.66 - 4.27**	**0.0 - 0.76**	**2.44 - 3.05**	**0.76 - 1.52**	**2.44 - 3.20**	**0.2 - 0.6**	**0.1 - 0.9**	**0.3 - 0.8**	**4.6 - 5.8**	**0.2 - 0.6**
Benzene	µg/g	0.21	<0.006	<0.006	<0.006	<0.006	<0.006	<0.020	<0.006	<0.006	<0.02	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	µg/g	2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	µg/g	2.3	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes	µg/g	3.1	<0.020	<0.020	<0.020	<0.020	<0.020	<0.040	<0.020	<0.020	<0.05	<0.05	<0.05	<0.05	<0.05
Petroleum Hydrocarbons F1	µg/g	55	<10	<10	<10	<10	<10	<10	<10	<10	<7	<7	<7	<7	<7
Petroleum Hydrocarbons F2	µg/g	98	<10	<10	<10	<10	<10	<10	<10	<10	<4	<4	<4	<4	<4
Petroleum Hydrocarbons F3	µg/g	300	<50	<50	<50	<50	<50	<50	<50	<50	<8	<8	<8	<8	<8
Petroleum Hydrocarbons F4	µg/g	2800	<50	<50	<50	<50	<50	<50	<50	<50	<6	<6	<6	<6	<6

*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.

Note: Boreholes in 2022 were advanced by others

SCS - Site Condition Standards

RPI - Residential/Parkland/Institutional

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

Parameter	Unit	*Table 3 SCS RPI - Coarse	Sample Identification									
			MW1-7	MW2-7	MW3-5	MW3-7	MW4-5	MW5-2	MW6-1	MW6-4	MW8-2	MW8-4
Date Sampled			**18-Nov-22**	**18-Nov-22**	**25-Nov-22**	**25-Nov-22**	**18-Nov-22**	**25-Nov-22**	**24-Nov-22**	**24-Nov-22**	**24-Nov-22**	**24-Nov-22**
Depth	**mbgs**		**4.57 - 5.33**	**4.57 - 5.33**	**2.44 - 3.05**	**3.66 - 4.27**	**3.05 - 3.81**	**0.61 - 1.07**	**0.0 - 0.76**	**2.44 - 3.20**	**0.76 - 1.52**	**2.44 - 3.20**
Acetone	µg/g	16	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.5
Benzene	µg/g	0.21	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.02
Bromodichloromethane	µg/g	13	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Bromoform	µg/g	0.27	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Bromomethane	µg/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Carbon Tetrachloride	µg/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Chlorobenzene	µg/g	2.4	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Chloroform	µg/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Dibromochloromethane	µg/g	9.4	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Dichlorodifluoromethane	µg/g	16	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
1,2-Dichlorobenzene	µg/g	3.4	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
1,3-Dichlorobenzene	µg/g	4.8	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
1,4-Dichlorobenzene	µg/g	0.083	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
1,1-Dichloroethane	µg/g	3.5	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
1,2-Dichloroethane	µg/g	0.05	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.05
1,1-Dichloroethylene	µg/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
cis-1,2-Dichloroethylene	µg/g	3.4	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
trans-1,2-Dichloroethylene	µg/g	0.084	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
1,2-Dichloropropane	µg/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
1,3-Dichloropropene, total	µg/g	0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.042
Ethylbenzene	µg/g	2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.05
Ethylene dibromide (dibromoethane, 1,2-)	µg/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Hexane	µg/g	2.8	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Methyl Ethyl Ketone (2-Butanone)	µg/g	16	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.5
Methyl Isobutyl Ketone	µg/g	1.7	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.5
Methyl tert-butyl ether	µg/g	0.75	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Methylene Chloride	µg/g	0.1	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.05
Styrene	µg/g	0.7	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
1,1,1,2-Tetrachloroethane	µg/g	0.058	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
1,1,2,2-Tetrachloroethane	µg/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Tetrachloroethylene	µg/g	0.28	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	**0.4**	<0.040	0.047	<0.05
Toluene	µg/g	2.3	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.2
1,1,1-Trichloroethane	µg/g	0.38	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
1,1,2-Trichloroethane	µg/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Trichloroethylene	µg/g	0.061	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.05
Trichlorofluoromethane	µg/g	4	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.05
Vinyl Chloride	µg/g	0.02	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.02
Xylenes, total	µg/g	3.1	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<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,

Note: Boreholes in 2022 were advanced by others

SCS - Site Condition Standards

Yellow Bold Exceeds Table 3 RPI SCS

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

Parameter	Unit	*Table 3 SCS RPI - Coarse	Sample Identification					
			BH201 S4	BH202 S5	BH203 S2	BH204 S8	BH205 S6	BH207 S4 (Duplicate of BH201 S4)
Date Sampled			**29-Apr-24**	**29-Apr-24**	**29-Apr-24**	**29-Apr-24**	**29-Apr-24**	**29-Apr-24**
Depth	**mbgs**		**3.0 - 4.4**	**4.6 - 4.9**	**1.5 - 2.1**	**4.6 - 4.9**	**4.6 - 5.5**	**3.0 - 4.4**
Acetone	µg/g	16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Benzene	µg/g	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Bromodichloromethane	µg/g	13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	µg/g	0.27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromomethane	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	µg/g	2.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	µg/g	9.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	µg/g	16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	µg/g	3.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	µg/g	4.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	µg/g	0.083	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	µg/g	3.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethane	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethylene	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethylene	µg/g	3.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
trans-1,2-Dichloroethylene	µg/g	0.084	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichloropropane	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene, total	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	µg/g	2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylene dibromide (dibromoethane, 1,2-)	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexane	µg/g	2.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone (2-Butanone)	µg/g	16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	µg/g	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl tert-butyl ether	µg/g	0.75	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	µg/g	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	µg/g	0.7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	µg/g	0.058	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	µg/g	0.28	<0.05	<0.05	0.14	<0.05	0.05	<0.05
Toluene	µg/g	2.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	µg/g	0.38	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2-Trichloroethane	µg/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	µg/g	0.061	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	µg/g	4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	µg/g	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Xylenes, total	µg/g	3.1	<0.05	<0.05	<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,

Note: Boreholes in 2022 were advanced by others

SCS - Site Condition Standards

Yellow Bold Exceeds Table 3 RPI SCS

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

Parameter	Unit	*Table 3 SCS RPI - Coarse	Sample Identification							
			MW1-7	MW2-7	MW3-5	MW3-7	MW6-1	MW7-5	MW8-2	MW8-4
Date Sampled			**18-Nov-22**	**18-Nov-22**	**25-Nov-22**	**25-Nov-22**	**24-Nov-22**	**24-Nov-22**	**24-Nov-22**	**24-Nov-22**
Depth	**mbgs**		**4.57 - 5.33**	**4.57 - 5.33**	**2.44 - 3.05**	**3.66 - 4.27**	**0.0 - 0.76**	**2.44 - 3.05**	**0.76 - 1.52**	**2.44 - 3.20**
Acenaphthene	µg/g	7.9	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	µg/g	0.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Anthracene	µg/g	0.67	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(a)anthracene	µg/g	0.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(a)pyrene	µg/g	0.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(b)fluoranthene	µg/g	0.78	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(g,h,i)perylene	µg/g	6.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(k)fluoranthene	µg/g	0.78	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chrysene	µg/g	7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibenz(a,h)anthracene	µg/g	0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	µg/g	0.69	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluorene	µg/g	62	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Indeno(1,2,3-cd)pyrene	µg/g	0.38	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylnaphthalene (1 & 2)	µg/g	0.99	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071
Naphthalene	µg/g	0.6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Phenanthrene	µg/g	6.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pyrene	µg/g	78	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

*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.

Note: Boreholes in 2022 were advanced by others

SCS - Site Condition Standards

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

Parameter	Unit	*Table 3 SCS RPI - Coarse	Sample Identification									
			MW1-7	MW2-7	MW3-5	MW3-7	MW8-2	MW8-4	BH201 S4	BH203 S2	BH204 S2	BH205 S2
Date Sampled			**18-Nov-22**	**18-Nov-22**	**25-Nov-22**	**25-Nov-22**	**24-Nov-22**	**24-Nov-22**	**21-Aug-23**	**24-Aug-23**	**24-Aug-23**	**23-Aug-23**
Depth	**mbgs**		**4.57 - 5.33**	**4.57 - 5.33**	**2.44 - 3.05**	**3.66 - 4.27**	**0.76 - 1.52**	**0.76 - 1.52**	**3.0 - 4.4**	**1.5 - 2.1**	**0.3 - 0.8**	**1.5 - 2.1**
Antimony	µg/g	7.5	-	-	-	-	<0.20	<0.20	<1.0	<1.0	<1.0	<1.0
Arsenic	µg/g	18	-	-	-	-	<1.0	1	1.6	1.1	2.1	1.2
Barium	µg/g	390	-	-	-	-	9.4	11	14.3	11.8	25.7	10.8
Beryllium	µg/g	4	-	-	-	-	<0.20	<0.20	<0.5	<0.5	<0.5	<0.5
Boron, available	µg/g	1.5	-	-	-	-	-	-	<0.5	<0.5	0.6	<0.5
Boron	µg/g	120	-	-	-	-	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cadmium	µg/g	1.2	-	-	-	-	<0.10	<0.10	<0.5	<0.5	<0.5	<0.5
Chromium (VI)	µg/g	8	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2
Chromium	µg/g	160	-	-	-	-	6	6.2	8.2	5.1	9.7	5.6
Cobalt	µg/g	22	-	-	-	-	2.4	2.5	2.5	2.3	3.3	2.1
Copper	µg/g	140	-	-	-	-	5.9	4.4	5.9	<5.0	7.1	<5.0
Lead	µg/g	120	2.3	2.1	3.7	3	2.4	1.9	2.2	1.8	10.2	2.8
Mercury	µg/g	0.27	-	-	-	-	<0.050	<0.050	<0.1	<0.1	<0.1	<0.1
Molybdenum	µg/g	6.9	-	-	-	-	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0
Nickel	µg/g	100	-	-	-	-	4.9	4.1	5.1	<5.0	6.0	<5.0
Selenium	µg/g	2.4	-	-	-	-	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0
Silver	µg/g	20	-	-	-	-	<0.20	<0.20	<0.3	<0.3	<0.3	<0.3
Thallium	µg/g	1	-	-	-	-	<0.050	<0.050	<1.0	<1.0	<1.0	<1.0
Uranium	µg/g	23	-	-	-	-	0.34	0.74	1.1	<1.0	<1.0	<1.0
Vanadium	µg/g	86	-	-	-	-	13	13	15.7	<10.0	18.2	10.9
Zinc	µg/g	340	-	-	-	-	11	15	<20.0	<20.0	31.0	<20.0
Electrical Conductivity	mS/cm	0.7	-	-	-	-	-	-	0.338	0.331	**2.58**	**0.738**
Sodium Absorption Ratio	-	5	-	-	-	-	-	-	2.30	3.79	**28.0**	**7.09**
Cyanide, free	µg/g	0.051	-	-	-	-	-	-	<0.03	<0.03	<0.03	<0.03
pH	pH Units	See Note	-	-	-	-	-	-	7.83	7.83	7.81	7.72

*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.

Note: Boreholes in 2022 were advanced by others

-- Not Analyzed

SCS - Site Condition Standards

ORPs include Arsenic (As), Antimony (Sb), Selenium (Se), Cyanide (CN-), Mercury (Hg), Chromium VI (CrVI), Sodium (Na), Boron (hot water soluble), and pH

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. 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).

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

Parameter	Unit	*Table 3 SCS RPI - Coarse	Sample Identification	
			BH206 S4	BH207 S4 (Duplicate of BH201 S4)
Date Sampled			**24-Aug-23**	**24-Aug-23**
Depth	**mbgs**		**1.5 - 2.1**	**3.0 - 4.4**
Antimony	µg/g	7.5	<1.0	<1.0
Arsenic	µg/g	18	<1.0	1.9
Barium	µg/g	390	6.2	12.8
Beryllium	µg/g	4	<0.5	<0.5
Boron, available	µg/g	1.5	<0.5	<0.5
Boron	µg/g	120	<5.0	<5.0
Cadmium	µg/g	1.2	.	<0.5
Chromium (VI)	µg/g	8	<0.2	<0.2
Chromium	µg/g	160	8.5	7.5
Cobalt	µg/g	22	1.8	2.8
Copper	µg/g	140	8.9	5.9
Lead	µg/g	120	2.3	2.2
Mercury	µg/g	0.27	<0.1	<0.1
Molybdenum	µg/g	6.9	<1.0	<1.0
Nickel	µg/g	100	5.3	5.4
Selenium	µg/g	2.4	<1.0	<1.0
Silver	µg/g	20	<0.3	<0.3
Thallium	µg/g	1	<1.0	<1.0
Uranium	µg/g	23	<1.0	1.3
Vanadium	µg/g	86	13.7	15.4
Zinc	µg/g	340	209	37.1
Electrical Conductivity	mS/cm	0.7	0.386	0.344
Sodium Absorption Ratio	-	5	**6.39**	2.81
Cyanide, free	µg/g	0.051	<0.03	<0.03
pH	pH Units	See Note	7.87	7.86

*Ministry of the Environment, Conservation, and Parks Soil, Ground Water a

Note: Boreholes in 2022 were advanced by others

-- Not Analyzed

SCS - Site Condition Standards

ORPs include Arsenic (As), Antimony (Sb), Selenium (Se), Cyanide (CN-), M

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. 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).

Table 5: Soil Quality Results
Polychlorinated Biphenyls (PCBs)

Parameter	Unit	*Table 3 SCS RPI - Coarse	Sample Identification		
			BH201 S1	BH203 S1	BH207 S1 (Duplicate BH201 S1)
Date Sampled			**29-Apr-24**	**29-Apr-24**	**29-Apr-24**
Depth	**mbgs**		**0.2 - 0.6**	**0.1 - 0.9**	**0.2 - 0.6**
PCBs, total	µg/g	0.35	<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.

SCS - Site Condition Standards

Table 6: Groundwater Quality Results
Petroleum Hydrocarbons (PHCs) F1-F4 and BTEX

Parameter	Unit	*Table 3 SCS-Coarse	Sample Identification										
			MW1		MW2		MW3		MW4	MW5	MW7	MW8	MW201
Date Sampled	-	-	1-Dec-22	6-May-24	1-Dec-22	13-May-24	1-Dec-22	6-May-24	6-May-24	6-May-24	2-Dec-22	2-Dec-22	6-May-24
Benzene	µg/L	44	<0.17	<0.5	<0.5	<0.5	<0.17	<0.5	<0.5	<0.5	<0.20	<0.17	<0.5
Ethylbenzene	µg/L	2,300	<0.20	<0.5	<0.5	<0.5	<0.20	<0.5	<0.5	<0.5	<0.20	<0.20	<0.5
Toluene	µg/L	18,000	<0.20	<0.5	<0.5	<0.5	<0.20	<0.5	<0.5	<0.5	<0.20	<0.20	<0.5
Xylenes (total)	µg/L	4,200	<0.20	<0.5	<0.5	<0.05	<0.20	<0.5	<0.5	<0.5	<0.40	<0.20	<0.5
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	750	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	<100	<100	<100	<100	<100	<100	<100	-	<100	<100	<100
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	500	<200	<100	<250	<100	<200	<100	<100	-	<200	<200	<100
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	500	<200	<100	<250	<100	<200	<100	<100	-	<200	<200	<100

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

Note: Monitoring wells MW1, MW2, MW3, MW4, MW 7, MW8 were installed by others in 2022

-- Not Analyzed

SCS - Site Condition Standard

Table 6: Groundwater Quality Results
Petroleum Hydrocarbons (PHCs) F1-F4 and BTEX

Parameter	Unit	*Table 3 SCS-Coarse	Sample Identification		
			MW202	MW203	MW204 (Duplicate of MW202)
Date Sampled	**-**	**-**	**6-May-24**	**6-May-24**	**6-May-24**
Benzene	µg/L	44	<0.5	<0.5	<0.5
Ethylbenzene	µg/L	2,300	<0.5	<0.5	<0.5
Toluene	µg/L	18,000	<0.5	<0.5	<0.5
Xylenes (total)	µg/L	4,200	<0.5	<0.5	<0.5
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	750	<25	<25	<25
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	<100	<100	<100
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	500	<100	<100	<100
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	500	<100	<100	<100

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

Note: Monitoring wells MW1, MW2, MW3, MW4, MW 7, MW8 were installed by others in 2022

-- Not Analyzed

SCS - Site Condition Standard

Table 7: Groundwater Quality Results
Volatile Organic Compounds (VOCs)

Parameter	Unit	*Table 3 SCS - Coarse	Sample Identification									
			MW1		MW2		MW3		MW4		MW5	
Date Sampled	-	-	1-Dec-22	6-May-24	1-Dec-22	13-May-24	1-Dec-22	6-May-24	2-Dec-22	6-May-24	2-Dec-22	6-May-24
Acetone	µg/L	130,000	<10	<5.0	<10	<5.0	<10	<5.0	15	<5.0	<10	<5.0
Benzene	µg/L	44	<0.17	<0.5	<0.17	<0.5	<0.17	<0.5	<0.20	<0.5	<0.20	<0.5
Bromodichloromethane	µg/L	85,000	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	1.8	<0.5	2.1	<0.5
Bromoform	µg/L	380	<1.0	<0.5	<1.0	<0.5	<1.0	<0.5	<1.0	<0.5	<1.0	<0.5
Bromomethane	µg/L	5.6	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5
Carbon Tetrachloride	µg/L	0.79	<0.20	<0.2	<0.20	<0.2	<0.20	<0.2	<0.20	<0.2	<0.20	<0.2
Chlorobenzene	µg/L	630	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5
Chloroform	µg/L	2.4	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	**3.8**	<0.5	**5.0**	<0.5
Dibromochloromethane	µg/L	82,000	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5
Dichlorodifluoromethane	µg/L	4,400	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	µg/L	4,600	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.40	<0.5	<0.40	<0.5
1,3-Dichlorobenzene	µg/L	9,600	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.40	<0.5	<0.40	<0.5
1,4-Dichlorobenzene	µg/L	8	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.4	<0.5	<0.4	<0.5
1,1-Dichloroethane	µg/L	320	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5
1,2-Dichloroethane	µg/L	1.6	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.49	<0.5	<0.49	<0.5
1,1-Dichloroethylene	µg/L	1.6	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5
cis-1,2-Dichloroethylene	µg/L	1.6	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5
trans-1,2-Dichloroethylene	µg/L	1.6	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5
1,2-Dichloropropane	µg/L	16	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5
1,3- Dichloropropene (cis+trans)	µg/L	5.2	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5
Ethylbenzene	µg/L	2300	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5
Ethylene Dibromide	µg/L	0.25	<0.20	<0.2	<0.20	<0.2	<0.20	<0.2	<0.19	<0.2	<0.19	<0.2
n-Hexane	µg/L	51	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone (2-Butanone)	µg/L	470,000	<10	<5.0	<10	<5.0	<10	<5.0	<10	<5.0	<10	<5.0
Methyl Isobutyl Ketone	µg/L	140,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl t-butyl ether (MTBE)	µg/L	190	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0	<0.50	<2.0
Methylene Chloride (Dichloromethane)	µg/L	610	<2.0	<5.0	<2.0	<5.0	<2.0	<5.0	<2.0	<5.0	<2.0	<5.0
Styrene	µg/L	1,300	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.40	<0.5	<0.40	<0.5
1,1,1,2-Tetrachloroethane	µg/L	3.3	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5
1,1,2,2-Tetrachloroethane	µg/L	3.2	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.40	<0.5	<0.40	<0.5
Tetrachloroethylene	µg/L	1.6	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	0.20	<0.5	<0.20	<0.5
Toluene	µg/L	18,000	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5
1,1,1-Trichloroethane	µg/L	640	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5
1,1,2-Trichloroethane	µg/L	4.7	<0.50	<0.5	<0.50	<0.5	<0.50	<0.5	<0.40	<0.5	<0.40	<0.5
Trichloroethylene	µg/L	1.6	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5
Trichorofluoromethane	µg/L	2,500	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0
Vinyl Chloride	µg/L	0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5
Xylene Mixture (Total)	µg/L	4,200	<0.20	<0.5	<0.20	<0.05	<0.20	<0.5	<0.20	<0.5	<0.20	<0.5

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

Note: Monitoring wells in 2022 were installed by others

SCS - Site Condition Standard

Yellow Bold Exceeds Table 3 SCS

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
Volatile Organic Compounds (VOCs)

Parameter	Unit	*Table 3 SCS - Coarse	Sample Identification					
			MW6	MW8	MW201	MW202	MW203	MW204 (Duplicate of MW202)
Date Sampled	-	-	2-Dec-22	2-Dec-22	6-May-24	6-May-24	6-May-24	6-May-24
Acetone	µg/L	130,000	15	15	<5.0	<5.0	17.1	<5.0
Benzene	µg/L	44	<0.20	<0.20	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	µg/L	85,000	1.8	1.8	<0.5	<0.5	<0.5	<0.5
Bromoform	µg/L	380	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5
Bromomethane	µg/L	5.6	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride	µg/L	0.79	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	µg/L	630	<0.20	<0.20	<0.5	<0.5	<0.5	<0.5
Chloroform	µg/L	2.4	3.8	3.8	<0.5	1.0	<0.5	1.3
Dibromochloromethane	µg/L	82,000	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	µg/L	4,400	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	µg/L	4,600	<0.40	<0.40	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	µg/L	9,600	<0.40	<0.40	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	µg/L	8	<0.4	<0.4	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	µg/L	320	<0.20	<0.20	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	µg/L	1.6	<0.49	<0.49	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethylene	µg/L	1.6	<0.20	<0.20	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethylene	µg/L	1.6	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethylene	µg/L	1.6	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	µg/L	16	<0.20	<0.20	<0.5	<0.5	<0.5	<0.5
1,3- Dichloropropene (cis+trans)	µg/L	5.2	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	µg/L	2300	<0.20	<0.20	<0.5	<0.5	<0.5	<0.5
Ethylene Dibromide	µg/L	0.25	<0.19	<0.19	<0.2	<0.2	<0.2	<0.2
n-Hexane	µg/L	51	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone (2-Butanone)	µg/L	470,000	<10	<10	<5.0	<5.0	<5.0	<5.0
Methyl Isobutyl Ketone	µg/L	140,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl t-butyl ether (MTBE)	µg/L	190	<0.50	<0.50	<2.0	<2.0	<2.0	<2.0
Methylene Chloride (Dichloromethane)	µg/L	610	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0
Styrene	µg/L	1,300	<0.40	<0.40	<0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	µg/L	3.3	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	µg/L	3.2	<0.40	<0.40	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	µg/L	1.6	1.5	0.20	<0.5	**33.8**	**18.3**	**30.1**
Toluene	µg/L	18,000	<0.20	<0.20	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	µg/L	640	<0.20	<0.20	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	µg/L	4.7	<0.40	<0.40	<0.5	<0.5	<0.5	<0.5
Trichloroethylene	µg/L	1.6	<0.20	<0.20	<0.5	<0.5	<0.5	<0.5
Trichorofluoromethane	µg/L	2,500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	0.5	<0.20	<0.20	<0.5	<0.5	<0.5	<0.5
Xylene Mixture (Total)	µg/L	4,200	<0.20	<0.20	<0.5	<0.5	<0.5	<0.5

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

Note: Monitoring wells in 2022 were installed by others

SCS - Site Condition Standard

Yellow Bold Exceeds Table 3 SCS

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 8: Groundwater Quality Results
Polycyclic Aromatic Hydrocarbons

Parameter	Unit	*Table 3 SCS-Coarse	Sample Identification				
			MW1	MW2	MW3	MW7	MW8
Date Sampled	-	-	1-Dec-22	1-Dec-22	1-Dec-22	2-Dec-22	2-Dec-22
Acenaphthene	µg/L	600	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	µg/L	1.8	<0.050	<0.050	<0.050	<0.050	<0.050
Anthracene	µg/L	2.4	<0.050	<0.050	<0.050	<0.050	<0.050
Benzo(a)anthracene	µg/L	4.7	<0.050	<0.050	<0.050	<0.050	<0.050
Benzo(a)pyrene	µg/L	0.81	<0.009	<0.009	<0.009	<0.009	<0.009
Benzo(b)fluoranthene	µg/L	0.75	<0.050	<0.050	<0.050	<0.050	<0.050
Benzo(g,h,i)perylene	µg/L	0.2	<0.050	<0.050	<0.050	<0.050	<0.050
Benzo(k)fluoranthene	µg/L	0.4	<0.050	<0.050	<0.050	<0.050	<0.050
Chrysene	µg/L	1	<0.050	<0.050	<0.050	<0.050	<0.050
Dibenz(a,h)anthracene	µg/L	0.52	<0.050	<0.050	<0.050	<0.050	<0.050
Fluoranthene	µg/L	130	<0.050	<0.050	<0.050	<0.050	<0.050
Fluorene	µg/L	400	<0.050	<0.050	<0.050	<0.050	<0.050
Indeno(1,2,3-cd)pyrene	µg/L	0.2	<0.050	<0.050	<0.050	<0.050	<0.050
Methylnaphthalene (1 & 2)	µg/L	1,800	<0.071	<0.071	<0.071	<0.071	0.14
Naphthalene	µg/L	1,400	<0.050	<0.050	<0.050	<0.050	<0.050
Phenanthrene	µg/L	580	<0.030	<0.030	<0.030	<0.030	0.071
Pyrene	µg/L	68	<0.050	<0.050	<0.050	<0.050	<0.050

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

Note: Monitoring wells in 2022 were installed by others

SCS - Site Condition Standards

Table 9: Groundwater Quality Results
Metals and Other Regulated Parameters (ORPs)

Parameter	Unit	*Table 3 SCS-Coarse	Sample Identification									
			MW1	MW2		MW3	MW4	MW8	MW201	MW202	MW203	MW204 (Duplicate of MW202)
Date Sampled	-	-	1-Dec-22	1-Dec-22	13-May-24	1-Dec-22	6-May-24	2-Dec-22	6-May-24	6-May-24	6-May-24	6-May-24
Antimony	µg/L	20,000	-	-	<0.5	-	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5
Arsenic	µg/L	1,900	-	-	<1.0	-	<1	<1.0	<1	<1	<1	<1
Barium	µg/L	29,000	-	-	64.3	-	104	210	58	163	139	163
Beryllium	µg/L	67	-	-	<0.5	-	<0.5	<0.40	<0.5	<0.5	<0.5	<0.5
Boron	µg/L	45,000	-	-	67.5	-	1,700	170	106	39	86	39
Cadmium	µg/L	2.7	-	-	<0.2	-	<0.1	<0.090	<0.1	<0.1	<0.1	<0.1
Chloride	µg/L	2,300,000	-	-	-	-	1,040,000	-	895,000	**2,340,000**	846,000	**2,340,000**
Chromium	µg/L	810	-	-	<1.0	-	<1	<5.0	<1	6	<1	7
Chromium (VI)	µg/L	140	-	-	-	-	<10	-	<10	<10	<10	<10
Cobalt	µg/L	66	-	-	<0.5	-	0.8	3.2	1.5	0.8	1.7	0.8
Copper	µg/L	87	-	-	3.7	-	0.7	3.5	2.5	1.1	1.9	1.9
Cyanide, free	µg/L	66	-	-	-	-	<2	-	<2	<2	<2	2
Lead	µg/L	25	0.65	<0.50	<0.2	<0.50	0.5	<0.50	0.7	0.2	0.6	0.2
Mercury	µg/L	0.29	-	-	-	-	<0.1	-	<0.1	<0.1	<0.1	<0.1
Molybdenum	µg/L	9,200	-	-	<0.5	-	17.6	1.9	1.8	2.0	3.5	1.9
Nickel	µg/L	490	-	-	1.6	-	1	3.7	2	<1	3	<1
Selenium	µg/L	63	-	-	<1.0	-	<1	<2.0	<1	<1	<1	<1
Silver	µg/L	1.5	-	-	<0.2	-	<0.1	<0.090	<0.1	<0.1	<0.1	<0.1
Sodium	µg/L	2,300,000	-	-	1150000	-	437,000	1,400,000	666,000	1,000,000	435,000	1,020,000
Thallium	µg/L	510	-	-	<0.5	-	<0.1	<0.050	<0.1	<0.1	<0.1	<0.1
Uranium	µg/L	420	-	-	0.3	-	1.5	1.6	6.1	1.8	1.2	1.8
Vanadium	µg/L	250	-	-	<0.5	-	2.0	1	<0.5	0.6	1.0	0.6
Zinc	µg/L	1,100			<5.0		<5		<5	<5	<5	<5
pH	µg/L	-	-	-	-	-	11.6	<5.0	8.1	7.9	8.0	11.9

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

Note: Monitoring wells MW1, MW2, MW3, MW4, MW8 were installed by others in 2022

-- Not Analyzed

SCS - Site Condition Standards

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

Blue Bold - The elevated chloride in groundwater 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. In this regard, the chloride impacts would not be considered 'contamination'. Reference is made to O.Reg. 153/04, as amended, S. 49(1).

Table 10: Groundwater Quality Results
Polychlorinated Biphenyls (PCBs)

Parameter	Unit	*Table 3 SCS-Coarse	Sample Identification		
			MW201	MW203	MW205 (Duplicate of MW201)
Date Sampled			**6-May-24**	**6-May-24**	**6-May-24**
PCBs	µg/L	7.8	<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.

SCS - Site Condition Standards

Appendix D:
Certificates of Analysis

PARACEL LABORATORIES LTD.
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Hamilton, ON L8H 7P4
1-800-749-1947
www.paracellabs.com

Certificate of Analysis

G2S Environmental Consulting Inc. (Burlington)
4361 Harvester Road, Unit 12
Burlington, ON L7L 5M4
Attn: Hailey Perras

Client PO: Fieldgate
Project: G2S24018
Custody:

Report Date: 6-May-2024
Order Date: 30-Apr-2024

Order #: 2418205

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

Paracel ID	Client ID
2418205-01	BH201 S1
2418205-02	BH201 S4
2418205-03	BH202 S5
2418205-04	BH203 S1
2418205-05	BH203 S2
2418205-06	BH204 S2
2418205-07	BH204 S8
2418205-08	BH205 S2
2418205-09	BH205 S6
2418205-10	BH206 S4
2418205-11	BH206 S7
2418205-12	BH207 S1
2418205-13	BH207 S4

Approved By:

Milan Ralitsch, PhD
Senior Technical Manager

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Boron, available	MOE (HWE), EPA 200.8 - ICP-MS	6-May-24	6-May-24
BTEX by P&T GC-MS	EPA 8260 - P&T GC-MS	2-May-24	3-May-24
Chromium, hexavalent - soil	MOE E3056 - Extraction, colourimetric	2-May-24	2-May-24
Conductivity	MOE E3138 - probe @25 °C, water ext	4-May-24	4-May-24
Cyanide, free	MOE E3015 - Auto Colour, water extraction	1-May-24	1-May-24
Mercury by CVAA	EPA 7471B - CVAA, digestion	3-May-24	6-May-24
PCBs, total	SW846 8082A - GC-ECD	2-May-24	3-May-24
PHC F1	CWS Tier 1 - P&T GC-FID	2-May-24	3-May-24
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	1-May-24	6-May-24
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	4-May-24	4-May-24
REG 153: pH, soil	EPA 150.1 - pH probe @ 25 °C, CaCl buffered ext.	3-May-24	3-May-24
REG 153: VOCs by P&T GC-MS	EPA 8260 - P&T GC-MS	2-May-24	3-May-24
SAR	Calculated	4-May-24	4-May-24
Solids, %	CWS Tier 1 - Gravimetric	1-May-24	2-May-24

Summary of Criteria Exceedances

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

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

Regulatory Comparison:

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

Sample	Analyte	MDL / Units	Result	Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
BH204 S2	SAR	0.01 N/A	28.0	5 N/A	5 N/A
BH204 S2	Conductivity	0.005 mS/cm	2.58	0.7 mS/cm	0.7 mS/cm
BH205 S2	SAR	0.01 N/A	7.09	5 N/A	5 N/A
BH205 S2	Conductivity	0.005 mS/cm	0.738	0.7 mS/cm	0.7 mS/cm
BH206 S4	SAR	0.01 N/A	6.39	5 N/A	5 N/A

Certificate of Analysis

Report Date: 06-May-2024

Client: **G2S Environmental Consulting Inc. (Burlington)**

Order Date: 30-Apr-2024

Client PO: **Fieldgate**

Project Description: G2S24018

	Client ID:	BH201 S1	BH201 S4	BH202 S5	BH203 S1	Criteria:	
	Sample Date:	29-Apr-24 12:00	29-Apr-24 12:00	29-Apr-24 12:00	29-Apr-24 12:00	Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-01	2418205-02	2418205-03	2418205-04		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	82.6	91.7	93.1	87.4	-	-
General Inorganics							
SAR	0.01 N/A	-	2.30	-	-	5 N/A	5 N/A
Conductivity	0.005 mS/cm	-	0.338	-	-	0.7 mS/cm	0.7 mS/cm
Cyanide, free	0.03 ug/g	-	<0.03	-	-	0.051 ug/g	0.051 ug/g
pH	0.05 pH Units	-	7.83	-	-	5.00 - 9.00 pH Units	5.00 - 9.00 pH Units
Metals							
Antimony	1.0 ug/g	-	<1.0	-	-	7.5 ug/g	7.5 ug/g
Arsenic	1.0 ug/g	-	1.6	-	-	18 ug/g	18 ug/g
Barium	1.0 ug/g	-	14.3	-	-	390 ug/g	390 ug/g
Beryllium	0.5 ug/g	-	<0.5	-	-	4 ug/g	5 ug/g
Boron	5.0 ug/g	-	<5.0	-	-	120 ug/g	120 ug/g
Boron, available	0.5 ug/g	-	<0.5	-	-	1.5 ug/g	1.5 ug/g
Cadmium	0.5 ug/g	-	<0.5	-	-	1.2 ug/g	1.2 ug/g
Chromium	5.0 ug/g	-	8.2	-	-	160 ug/g	160 ug/g
Chromium (VI)	0.2 ug/g	-	<0.2	-	-	8 ug/g	10 ug/g
Cobalt	1.0 ug/g	-	2.5	-	-	22 ug/g	22 ug/g
Copper	5.0 ug/g	-	5.9	-	-	140 ug/g	180 ug/g
Lead	1.0 ug/g	-	2.2	-	-	120 ug/g	120 ug/g
Mercury	0.1 ug/g	-	<0.1	-	-	0.27 ug/g	1.8 ug/g
Molybdenum	1.0 ug/g	-	<1.0	-	-	6.9 ug/g	6.9 ug/g
Nickel	5.0 ug/g	-	5.1	-	-	100 ug/g	130 ug/g
Selenium	1.0 ug/g	-	<1.0	-	-	2.4 ug/g	2.4 ug/g
Silver	0.3 ug/g	-	<0.3	-	-	20 ug/g	25 ug/g
Thallium	1.0 ug/g	-	<1.0	-	-	1 ug/g	1 ug/g

Certificate of Analysis

Report Date: 06-May-2024

Client: G2S Environmental Consulting Inc. (Burlington)

Order Date: 30-Apr-2024

Client PO: Fieldgate

Project Description: G2S24018

	Client ID:	BH201 S1	BH201 S4	BH202 S5	BH203 S1	Criteria:	
	Sample Date:	29-Apr-24 12:00	29-Apr-24 12:00	29-Apr-24 12:00	29-Apr-24 12:00	Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-01	2418205-02	2418205-03	2418205-04		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Metals							
Uranium	1.0 ug/g	-	1.1	-	-	23 ug/g	23 ug/g
Vanadium	10.0 ug/g	-	15.7	-	-	86 ug/g	86 ug/g
Zinc	20.0 ug/g	-	<20.0	-	-	340 ug/g	340 ug/g
Volatiles							
Acetone	0.50 ug/g	-	<0.50	<0.50	-	16 ug/g	28 ug/g
Benzene	0.02 ug/g	-	<0.02	<0.02	-	0.21 ug/g	0.17 ug/g
Bromodichloromethane	0.05 ug/g	-	<0.05	<0.05	-	13 ug/g	13 ug/g
Bromoform	0.05 ug/g	-	<0.05	<0.05	-	0.27 ug/g	0.26 ug/g
Bromomethane	0.05 ug/g	-	<0.05	<0.05	-	0.05 ug/g	0.05 ug/g
Carbon Tetrachloride	0.05 ug/g	-	<0.05	<0.05	-	0.05 ug/g	0.12 ug/g
Chlorobenzene	0.05 ug/g	-	<0.05	<0.05	-	2.4 ug/g	2.7 ug/g
Chloroform	0.05 ug/g	-	<0.05	<0.05	-	0.05 ug/g	0.18 ug/g
Dibromochloromethane	0.05 ug/g	-	<0.05	<0.05	-	9.4 ug/g	9.4 ug/g
Dichlorodifluoromethane	0.05 ug/g	-	<0.05	<0.05	-	16 ug/g	25 ug/g
1,2-Dichlorobenzene	0.05 ug/g	-	<0.05	<0.05	-	3.4 ug/g	4.3 ug/g
1,3-Dichlorobenzene	0.05 ug/g	-	<0.05	<0.05	-	4.8 ug/g	6 ug/g
1,4-Dichlorobenzene	0.05 ug/g	-	<0.05	<0.05	-	0.083 ug/g	0.097 ug/g
1,1-Dichloroethane	0.05 ug/g	-	<0.05	<0.05	-	3.5 ug/g	11 ug/g
1,2-Dichloroethane	0.05 ug/g	-	<0.05	<0.05	-	0.05 ug/g	0.05 ug/g
1,1-Dichloroethylene	0.05 ug/g	-	<0.05	<0.05	-	0.05 ug/g	0.05 ug/g
cis-1,2-Dichloroethylene	0.05 ug/g	-	<0.05	<0.05	-	3.4 ug/g	30 ug/g
trans-1,2-Dichloroethylene	0.05 ug/g	-	<0.05	<0.05	-	0.084 ug/g	0.75 ug/g
1,2-Dichloropropane	0.05 ug/g	-	<0.05	<0.05	-	0.05 ug/g	0.085 ug/g
cis-1,3-Dichloropropylene	0.05 ug/g	-	<0.05	<0.05	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	-	<0.05	<0.05	-	-	-

	Client ID:	BH201 S1	BH201 S4	BH202 S5	BH203 S1	Criteria:	
	Sample Date:	29-Apr-24 12:00	29-Apr-24 12:00	29-Apr-24 12:00	29-Apr-24 12:00	Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-01	2418205-02	2418205-03	2418205-04		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Volatiles							
1,3-Dichloropropene, total	0.05 ug/g	-	<0.05	<0.05	-	0.05 ug/g	0.083 ug/g
Ethylbenzene	0.05 ug/g	-	<0.05	<0.05	-	2 ug/g	15 ug/g
Ethylene dibromide (dibromoethane,	0.05 ug/g	-	<0.05	<0.05	-	0.05 ug/g	0.05 ug/g
Hexane	0.05 ug/g	-	<0.05	<0.05	-	2.8 ug/g	34 ug/g
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	-	<0.50	<0.50	-	16 ug/g	44 ug/g
Methyl Isobutyl Ketone	0.50 ug/g	-	<0.50	<0.50	-	1.7 ug/g	4.3 ug/g
Methyl tert-butyl ether	0.05 ug/g	-	<0.05	<0.05	-	0.75 ug/g	1.4 ug/g
Methylene Chloride	0.05 ug/g	-	<0.05	<0.05	-	0.1 ug/g	0.96 ug/g
Styrene	0.05 ug/g	-	<0.05	<0.05	-	0.7 ug/g	2.2 ug/g
1,1,1,2-Tetrachloroethane	0.05 ug/g	-	<0.05	<0.05	-	0.058 ug/g	0.05 ug/g
1,1,2,2-Tetrachloroethane	0.05 ug/g	-	<0.05	<0.05	-	0.05 ug/g	0.05 ug/g
Tetrachloroethylene	0.05 ug/g	-	<0.05	<0.05	-	0.28 ug/g	2.3 ug/g
Toluene	0.05 ug/g	-	<0.05	<0.05	-	2.3 ug/g	6 ug/g
1,1,1-Trichloroethane	0.05 ug/g	-	<0.05	<0.05	-	0.38 ug/g	3.4 ug/g
1,1,2-Trichloroethane	0.05 ug/g	-	<0.05	<0.05	-	0.05 ug/g	0.05 ug/g
Trichloroethylene	0.05 ug/g	-	<0.05	<0.05	-	0.061 ug/g	0.52 ug/g
Trichlorofluoromethane	0.05 ug/g	-	<0.05	<0.05	-	4 ug/g	5.8 ug/g
Vinyl chloride	0.02 ug/g	-	<0.02	<0.02	-	0.02 ug/g	0.022 ug/g
m,p-Xylenes	0.05 ug/g	-	<0.05	<0.05	-	-	-
o-Xylene	0.05 ug/g	-	<0.05	<0.05	-	-	-
Xylenes, total	0.05 ug/g	-	<0.05	<0.05	-	3.1 ug/g	25 ug/g
Toluene-d8	Surrogate	-	102%	101%	-	-	-
4-Bromofluorobenzene	Surrogate	-	105%	105%	-	-	-
Dibromofluoromethane	Surrogate	-	91.0%	94.7%	-	-	-
Benzene	0.02 ug/g	<0.02	-	-	<0.02	0.21 ug/g	0.17 ug/g

	Client ID:	BH201 S1	BH201 S4	BH202 S5	BH203 S1	**Criteria:**	
	Sample Date:	29-Apr-24 12:00	29-Apr-24 12:00	29-Apr-24 12:00	29-Apr-24 12:00	**Reg 153/04 -T3**	**Reg 153/04 -T3**
	Sample ID:	2418205-01	2418205-02	2418205-03	2418205-04	**Res/Park, coarse**	**Res/Park, fine**
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Volatiles							
Ethylbenzene	0.05 ug/g	<0.05	-	-	<0.05	2 ug/g	15 ug/g
Toluene	0.05 ug/g	<0.05	-	-	<0.05	2.3 ug/g	6 ug/g
m,p-Xylenes	0.05 ug/g	<0.05	-	-	<0.05	-	-
o-Xylene	0.05 ug/g	<0.05	-	-	<0.05	-	-
Xylenes, total	0.05 ug/g	<0.05	-	-	<0.05	3.1 ug/g	25 ug/g
Toluene-d8	Surrogate	101%	-	-	101%	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	7 ug/g	<7	-	-	<7	55 ug/g	65 ug/g
F2 PHCs (C10-C16)	4 ug/g	<4	-	-	<4	98 ug/g	150 ug/g
F3 PHCs (C16-C34)	8 ug/g	<8	-	-	<8	300 ug/g	1300 ug/g
F4 PHCs (C34-C50)	6 ug/g	<6	-	-	<6	2800 ug/g	5600 ug/g
PCBs							
PCBs, total	0.05 ug/g	<0.05	-	-	<0.05	0.35 ug/g	0.35 ug/g
Decachlorobiphenyl	Surrogate	102%	-	-	95.7%	-	-

Certificate of Analysis

Report Date: 06-May-2024

Client: G2S Environmental Consulting Inc. (Burlington)

Order Date: 30-Apr-2024

Client PO: Fieldgate

Project Description: G2S24018

	Client ID:	BH203 S2	BH204 S2	BH204 S8	BH205 S2	Criteria:	
	Sample Date:	29-Apr-24 12:00	29-Apr-24 09:00	29-Apr-24 12:00	29-Apr-24 09:00	Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-05	2418205-06	2418205-07	2418205-08		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	86.1	82.4	91.2	94.3	-	-
General Inorganics							
SAR	0.01 N/A	3.79	28.0	-	7.09	5 N/A	5 N/A
Conductivity	0.005 mS/cm	0.331	2.58	-	0.738	0.7 mS/cm	0.7 mS/cm
Cyanide, free	0.03 ug/g	<0.03	<0.03	-	<0.03	0.051 ug/g	0.051 ug/g
pH	0.05 pH Units	7.83	7.81	-	7.72	5.00 - 9.00 pH Units	5.00 - 9.00 pH Units
Metals							
Antimony	1.0 ug/g	<1.0	<1.0	-	<1.0	7.5 ug/g	7.5 ug/g
Arsenic	1.0 ug/g	1.1	2.1	-	1.2	18 ug/g	18 ug/g
Barium	1.0 ug/g	11.8	25.7	-	10.8	390 ug/g	390 ug/g
Beryllium	0.5 ug/g	<0.5	<0.5	-	<0.5	4 ug/g	5 ug/g
Boron	5.0 ug/g	<5.0	<5.0	-	<5.0	120 ug/g	120 ug/g
Boron, available	0.5 ug/g	<0.5	0.6	-	<0.5	1.5 ug/g	1.5 ug/g
Cadmium	0.5 ug/g	<0.5	<0.5	-	<0.5	1.2 ug/g	1.2 ug/g
Chromium (VI)	0.2 ug/g	<0.2	<0.2	-	<0.2	8 ug/g	10 ug/g
Chromium	5.0 ug/g	5.1	9.7	-	5.6	160 ug/g	160 ug/g
Cobalt	1.0 ug/g	2.3	3.3	-	2.1	22 ug/g	22 ug/g
Copper	5.0 ug/g	<5.0	7.1	-	<5.0	140 ug/g	180 ug/g
Lead	1.0 ug/g	1.8	10.2	-	2.8	120 ug/g	120 ug/g
Mercury	0.1 ug/g	<0.1	<0.1	-	<0.1	0.27 ug/g	1.8 ug/g
Molybdenum	1.0 ug/g	<1.0	<1.0	-	<1.0	6.9 ug/g	6.9 ug/g
Nickel	5.0 ug/g	<5.0	6.0	-	<5.0	100 ug/g	130 ug/g
Selenium	1.0 ug/g	<1.0	<1.0	-	<1.0	2.4 ug/g	2.4 ug/g
Silver	0.3 ug/g	<0.3	<0.3	-	<0.3	20 ug/g	25 ug/g
Thallium	1.0 ug/g	<1.0	<1.0	-	<1.0	1 ug/g	1 ug/g

	Client ID:	BH203 S2	BH204 S2	BH204 S8	BH205 S2	Criteria:	
	Sample Date:	29-Apr-24 12:00	29-Apr-24 09:00	29-Apr-24 12:00	29-Apr-24 09:00	Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-05	2418205-06	2418205-07	2418205-08		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Metals							
Uranium	1.0 ug/g	<1.0	<1.0	-	<1.0	23 ug/g	23 ug/g
Vanadium	10.0 ug/g	<10.0	18.2	-	10.9	86 ug/g	86 ug/g
Zinc	20.0 ug/g	<20.0	31.0	-	<20.0	340 ug/g	340 ug/g
Volatiles							
Acetone	0.50 ug/g	<0.50	-	<0.50	-	16 ug/g	28 ug/g
Benzene	0.02 ug/g	<0.02	-	<0.02	-	0.21 ug/g	0.17 ug/g
Bromodichloromethane	0.05 ug/g	<0.05	-	<0.05	-	13 ug/g	13 ug/g
Bromoform	0.05 ug/g	<0.05	-	<0.05	-	0.27 ug/g	0.26 ug/g
Bromomethane	0.05 ug/g	<0.05	-	<0.05	-	0.05 ug/g	0.05 ug/g
Carbon Tetrachloride	0.05 ug/g	<0.05	-	<0.05	-	0.05 ug/g	0.12 ug/g
Chlorobenzene	0.05 ug/g	<0.05	-	<0.05	-	2.4 ug/g	2.7 ug/g
Chloroform	0.05 ug/g	<0.05	-	<0.05	-	0.05 ug/g	0.18 ug/g
Dibromochloromethane	0.05 ug/g	<0.05	-	<0.05	-	9.4 ug/g	9.4 ug/g
Dichlorodifluoromethane	0.05 ug/g	<0.05	-	<0.05	-	16 ug/g	25 ug/g
1,2-Dichlorobenzene	0.05 ug/g	<0.05	-	<0.05	-	3.4 ug/g	4.3 ug/g
1,3-Dichlorobenzene	0.05 ug/g	<0.05	-	<0.05	-	4.8 ug/g	6 ug/g
1,4-Dichlorobenzene	0.05 ug/g	<0.05	-	<0.05	-	0.083 ug/g	0.097 ug/g
1,1-Dichloroethane	0.05 ug/g	<0.05	-	<0.05	-	3.5 ug/g	11 ug/g
1,2-Dichloroethane	0.05 ug/g	<0.05	-	<0.05	-	0.05 ug/g	0.05 ug/g
1,1-Dichloroethylene	0.05 ug/g	<0.05	-	<0.05	-	0.05 ug/g	0.05 ug/g
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	<0.05	-	3.4 ug/g	30 ug/g
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	<0.05	-	0.084 ug/g	0.75 ug/g
1,2-Dichloropropane	0.05 ug/g	<0.05	-	<0.05	-	0.05 ug/g	0.085 ug/g
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	<0.05	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	<0.05	-	-	-

	Client ID:	BH203 S2	BH204 S2	BH204 S8	BH205 S2	Criteria:	
	Sample Date:	29-Apr-24 12:00	29-Apr-24 09:00	29-Apr-24 12:00	29-Apr-24 09:00	Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-05	2418205-06	2418205-07	2418205-08		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Volatiles							
1,3-Dichloropropene, total	0.05 ug/g	<0.05	-	<0.05	-	0.05 ug/g	0.083 ug/g
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	-	<0.05	-	0.05 ug/g	0.05 ug/g
Ethylbenzene	0.05 ug/g	<0.05	-	<0.05	-	2 ug/g	15 ug/g
Hexane	0.05 ug/g	<0.05	-	<0.05	-	2.8 ug/g	34 ug/g
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	-	<0.50	-	16 ug/g	44 ug/g
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	-	<0.50	-	1.7 ug/g	4.3 ug/g
Methyl tert-butyl ether	0.05 ug/g	<0.05	-	<0.05	-	0.75 ug/g	1.4 ug/g
Methylene Chloride	0.05 ug/g	<0.05	-	<0.05	-	0.1 ug/g	0.96 ug/g
Styrene	0.05 ug/g	<0.05	-	<0.05	-	0.7 ug/g	2.2 ug/g
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	-	<0.05	-	0.058 ug/g	0.05 ug/g
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	-	<0.05	-	0.05 ug/g	0.05 ug/g
Tetrachloroethylene	0.05 ug/g	0.14	-	<0.05	-	0.28 ug/g	2.3 ug/g
Toluene	0.05 ug/g	<0.05	-	<0.05	-	2.3 ug/g	6 ug/g
1,1,1-Trichloroethane	0.05 ug/g	<0.05	-	<0.05	-	0.38 ug/g	3.4 ug/g
1,1,2-Trichloroethane	0.05 ug/g	<0.05	-	<0.05	-	0.05 ug/g	0.05 ug/g
Trichloroethylene	0.05 ug/g	<0.05	-	<0.05	-	0.061 ug/g	0.52 ug/g
Trichlorofluoromethane	0.05 ug/g	<0.05	-	<0.05	-	4 ug/g	5.8 ug/g
Vinyl chloride	0.02 ug/g	<0.02	-	<0.02	-	0.02 ug/g	0.022 ug/g
m,p-Xylenes	0.05 ug/g	<0.05	-	<0.05	-	-	-
o-Xylene	0.05 ug/g	<0.05	-	<0.05	-	-	-
Xylenes, total	0.05 ug/g	<0.05	-	<0.05	-	3.1 ug/g	25 ug/g
Toluene-d8	Surrogate	101%	-	101%	-	-	-
Dibromofluoromethane	Surrogate	96.8%	-	95.7%	-	-	-
4-Bromofluorobenzene	Surrogate	103%	-	105%	-	-	-
Benzene	0.02 ug/g	-	<0.02	-	-	0.21 ug/g	0.17 ug/g

	Client ID:	BH203 S2	BH204 S2	BH204 S8	BH205 S2	Criteria:	
	Sample Date:	29-Apr-24 12:00	29-Apr-24 09:00	29-Apr-24 12:00	29-Apr-24 09:00	Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-05	2418205-06	2418205-07	2418205-08		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Volatiles							
Ethylbenzene	0.05 ug/g	-	<0.05	-	-	2 ug/g	15 ug/g
Toluene	0.05 ug/g	-	<0.05	-	-	2.3 ug/g	6 ug/g
m,p-Xylenes	0.05 ug/g	-	<0.05	-	-	-	-
o-Xylene	0.05 ug/g	-	<0.05	-	-	-	-
Xylenes, total	0.05 ug/g	-	<0.05	-	-	3.1 ug/g	25 ug/g
Toluene-d8	Surrogate	-	102%	-	-	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	7 ug/g	-	<7	-	-	55 ug/g	65 ug/g
F2 PHCs (C10-C16)	4 ug/g	-	<4	-	-	98 ug/g	150 ug/g
F3 PHCs (C16-C34)	8 ug/g	-	<8	-	-	300 ug/g	1300 ug/g
F4 PHCs (C34-C50)	6 ug/g	-	<6	-	-	2800 ug/g	5600 ug/g

Certificate of Analysis

Report Date: 06-May-2024

Client: G2S Environmental Consulting Inc. (Burlington)

Order Date: 30-Apr-2024

Client PO: Fieldgate

Project Description: G2S24018

	Client ID:	BH205 S6	BH206 S4	BH206 S7	BH207 S1	Criteria:	
	Sample Date:	29-Apr-24 09:00	29-Apr-24 09:00	29-Apr-24 09:00	29-Apr-24 12:00	Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-09	2418205-10	2418205-11	2418205-12		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	79.5	94.9	82.3	81.2	-	-
General Inorganics							
SAR	0.01 N/A	-	6.39	-	-	5 N/A	5 N/A
Conductivity	0.005 mS/cm	-	0.386	-	-	0.7 mS/cm	0.7 mS/cm
Cyanide, free	0.03 ug/g	-	<0.03	-	-	0.051 ug/g	0.051 ug/g
pH	0.05 pH Units	-	7.87	-	-	5.00 - 9.00 pH Units	5.00 - 9.00 pH Units
Metals							
Antimony	1.0 ug/g	-	<1.0	-	-	7.5 ug/g	7.5 ug/g
Arsenic	1.0 ug/g	-	<1.0	-	-	18 ug/g	18 ug/g
Barium	1.0 ug/g	-	6.2	-	-	390 ug/g	390 ug/g
Beryllium	0.5 ug/g	-	<0.5	-	-	4 ug/g	5 ug/g
Boron	5.0 ug/g	-	<5.0	-	-	120 ug/g	120 ug/g
Boron, available	0.5 ug/g	-	<0.5	-	-	1.5 ug/g	1.5 ug/g
Cadmium	0.5 ug/g	-	<0.5	-	-	1.2 ug/g	1.2 ug/g
Chromium	5.0 ug/g	-	8.5	-	-	160 ug/g	160 ug/g
Chromium (VI)	0.2 ug/g	-	<0.2	-	-	8 ug/g	10 ug/g
Cobalt	1.0 ug/g	-	1.8	-	-	22 ug/g	22 ug/g
Copper	5.0 ug/g	-	8.9	-	-	140 ug/g	180 ug/g
Lead	1.0 ug/g	-	2.3	-	-	120 ug/g	120 ug/g
Mercury	0.1 ug/g	-	<0.1	-	-	0.27 ug/g	1.8 ug/g
Molybdenum	1.0 ug/g	-	<1.0	-	-	6.9 ug/g	6.9 ug/g
Nickel	5.0 ug/g	-	5.3	-	-	100 ug/g	130 ug/g
Selenium	1.0 ug/g	-	<1.0	-	-	2.4 ug/g	2.4 ug/g
Silver	0.3 ug/g	-	<0.3	-	-	20 ug/g	25 ug/g
Thallium	1.0 ug/g	-	<1.0	-	-	1 ug/g	1 ug/g

	Client ID:	BH205 S6	BH206 S4	BH206 S7	BH207 S1	Criteria:	
	Sample Date:	29-Apr-24 09:00	29-Apr-24 09:00	29-Apr-24 09:00	29-Apr-24 12:00	Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-09	2418205-10	2418205-11	2418205-12		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Metals							
Uranium	1.0 ug/g	-	<1.0	-	-	23 ug/g	23 ug/g
Vanadium	10.0 ug/g	-	13.7	-	-	86 ug/g	86 ug/g
Zinc	20.0 ug/g	-	209	-	-	340 ug/g	340 ug/g
Volatiles							
Acetone	0.50 ug/g	<0.50	-	-	-	16 ug/g	28 ug/g
Benzene	0.02 ug/g	<0.02	-	-	-	0.21 ug/g	0.17 ug/g
Bromodichloromethane	0.05 ug/g	<0.05	-	-	-	13 ug/g	13 ug/g
Bromoform	0.05 ug/g	<0.05	-	-	-	0.27 ug/g	0.26 ug/g
Bromomethane	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.05 ug/g
Carbon Tetrachloride	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.12 ug/g
Chlorobenzene	0.05 ug/g	<0.05	-	-	-	2.4 ug/g	2.7 ug/g
Chloroform	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.18 ug/g
Dibromochloromethane	0.05 ug/g	<0.05	-	-	-	9.4 ug/g	9.4 ug/g
Dichlorodifluoromethane	0.05 ug/g	<0.05	-	-	-	16 ug/g	25 ug/g
1,2-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	3.4 ug/g	4.3 ug/g
1,3-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	4.8 ug/g	6 ug/g
1,4-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	0.083 ug/g	0.097 ug/g
1,1-Dichloroethane	0.05 ug/g	<0.05	-	-	-	3.5 ug/g	11 ug/g
1,2-Dichloroethane	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.05 ug/g
1,1-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.05 ug/g
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	3.4 ug/g	30 ug/g
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	0.084 ug/g	0.75 ug/g
1,2-Dichloropropane	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.085 ug/g
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	-	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	-	-	-	-

	Client ID:	BH205 S6	BH206 S4	BH206 S7	BH207 S1	Criteria:	
	Sample Date:	29-Apr-24 09:00	29-Apr-24 09:00	29-Apr-24 09:00	29-Apr-24 12:00	Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-09	2418205-10	2418205-11	2418205-12		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Volatiles							
1,3-Dichloropropene, total	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.083 ug/g
Ethylbenzene	0.05 ug/g	<0.05	-	-	-	2 ug/g	15 ug/g
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.05 ug/g
Hexane	0.05 ug/g	<0.05	-	-	-	2.8 ug/g	34 ug/g
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	-	-	-	16 ug/g	44 ug/g
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	-	-	-	1.7 ug/g	4.3 ug/g
Methyl tert-butyl ether	0.05 ug/g	<0.05	-	-	-	0.75 ug/g	1.4 ug/g
Methylene Chloride	0.05 ug/g	<0.05	-	-	-	0.1 ug/g	0.96 ug/g
Styrene	0.05 ug/g	<0.05	-	-	-	0.7 ug/g	2.2 ug/g
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	-	-	-	0.058 ug/g	0.05 ug/g
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.05 ug/g
Tetrachloroethylene	0.05 ug/g	0.05	-	-	-	0.28 ug/g	2.3 ug/g
Toluene	0.05 ug/g	<0.05	-	-	-	2.3 ug/g	6 ug/g
1,1,1-Trichloroethane	0.05 ug/g	<0.05	-	-	-	0.38 ug/g	3.4 ug/g
1,1,2-Trichloroethane	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.05 ug/g
Trichloroethylene	0.05 ug/g	<0.05	-	-	-	0.061 ug/g	0.52 ug/g
Trichlorofluoromethane	0.05 ug/g	<0.05	-	-	-	4 ug/g	5.8 ug/g
Vinyl chloride	0.02 ug/g	<0.02	-	-	-	0.02 ug/g	0.022 ug/g
m,p-Xylenes	0.05 ug/g	<0.05	-	-	-	-	-
o-Xylene	0.05 ug/g	<0.05	-	-	-	-	-
Xylenes, total	0.05 ug/g	<0.05	-	-	-	3.1 ug/g	25 ug/g
Toluene-d8	Surrogate	101%	-	-	-	-	-
Dibromofluoromethane	Surrogate	92.7%	-	-	-	-	-
4-Bromofluorobenzene	Surrogate	106%	-	-	-	-	-
Benzene	0.02 ug/g	-	-	<0.02	<0.02	0.21 ug/g	0.17 ug/g

	Client ID:	BH205 S6	BH206 S4	BH206 S7	BH207 S1	Criteria:	
	Sample Date:	29-Apr-24 09:00	29-Apr-24 09:00	29-Apr-24 09:00	29-Apr-24 12:00	Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-09	2418205-10	2418205-11	2418205-12		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Volatiles							
Ethylbenzene	0.05 ug/g	-	-	<0.05	<0.05	2 ug/g	15 ug/g
Toluene	0.05 ug/g	-	-	<0.05	<0.05	2.3 ug/g	6 ug/g
m,p-Xylenes	0.05 ug/g	-	-	<0.05	<0.05	-	-
o-Xylene	0.05 ug/g	-	-	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	-	-	<0.05	<0.05	3.1 ug/g	25 ug/g
Toluene-d8	Surrogate	-	-	101%	102%	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	7 ug/g	-	-	<7	<7	55 ug/g	65 ug/g
F2 PHCs (C10-C16)	4 ug/g	-	-	<4	<4	98 ug/g	150 ug/g
F3 PHCs (C16-C34)	8 ug/g	-	-	<8	<8	300 ug/g	1300 ug/g
F4 PHCs (C34-C50)	6 ug/g	-	-	<6	<6	2800 ug/g	5600 ug/g
PCBs							
PCBs, total	0.05 ug/g	-	-	-	<0.05	0.35 ug/g	0.35 ug/g
Decachlorobiphenyl	Surrogate	-	-	-	102%	-	-

Certificate of Analysis

Report Date: 06-May-2024

Client: **G2S Environmental Consulting Inc. (Burlington)**

Order Date: 30-Apr-2024

Client PO: **Fieldgate**

Project Description: G2S24018

	Client ID:	BH207 S4				Criteria:	
	Sample Date:	29-Apr-24 12:00				Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-13					
	Matrix:	Soil					
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	90.7	-	-	-	-	-
General Inorganics							
SAR	0.01 N/A	2.81	-	-	-	5 N/A	5 N/A
Conductivity	0.005 mS/cm	0.344	-	-	-	0.7 mS/cm	0.7 mS/cm
Cyanide, free	0.03 ug/g	<0.03	-	-	-	0.051 ug/g	0.051 ug/g
pH	0.05 pH Units	7.86	-	-	-	5.00 - 9.00 pH Units	5.00 - 9.00 pH Units
Metals							
Antimony	1.0 ug/g	<1.0	-	-	-	7.5 ug/g	7.5 ug/g
Arsenic	1.0 ug/g	1.9	-	-	-	18 ug/g	18 ug/g
Barium	1.0 ug/g	12.8	-	-	-	390 ug/g	390 ug/g
Beryllium	0.5 ug/g	<0.5	-	-	-	4 ug/g	5 ug/g
Boron	5.0 ug/g	<5.0	-	-	-	120 ug/g	120 ug/g
Boron, available	0.5 ug/g	<0.5	-	-	-	1.5 ug/g	1.5 ug/g
Cadmium	0.5 ug/g	<0.5	-	-	-	1.2 ug/g	1.2 ug/g
Chromium (VI)	0.2 ug/g	<0.2	-	-	-	8 ug/g	10 ug/g
Chromium	5.0 ug/g	7.5	-	-	-	160 ug/g	160 ug/g
Cobalt	1.0 ug/g	2.8	-	-	-	22 ug/g	22 ug/g
Copper	5.0 ug/g	5.9	-	-	-	140 ug/g	180 ug/g
Lead	1.0 ug/g	2.2	-	-	-	120 ug/g	120 ug/g
Mercury	0.1 ug/g	<0.1	-	-	-	0.27 ug/g	1.8 ug/g
Molybdenum	1.0 ug/g	<1.0	-	-	-	6.9 ug/g	6.9 ug/g
Nickel	5.0 ug/g	5.4	-	-	-	100 ug/g	130 ug/g
Selenium	1.0 ug/g	<1.0	-	-	-	2.4 ug/g	2.4 ug/g
Silver	0.3 ug/g	<0.3	-	-	-	20 ug/g	25 ug/g
Thallium	1.0 ug/g	<1.0	-	-	-	1 ug/g	1 ug/g

	Client ID:	BH207 S4				Criteria:	
	Sample Date:	29-Apr-24 12:00				Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-13					
	Matrix:	Soil					
	MDL/Units						
Metals							
Uranium	1.0 ug/g	1.3	-	-	-	23 ug/g	23 ug/g
Vanadium	10.0 ug/g	15.4	-	-	-	86 ug/g	86 ug/g
Zinc	20.0 ug/g	37.1	-	-	-	340 ug/g	340 ug/g
Volatiles							
Acetone	0.50 ug/g	<0.50	-	-	-	16 ug/g	28 ug/g
Benzene	0.02 ug/g	<0.02	-	-	-	0.21 ug/g	0.17 ug/g
Bromodichloromethane	0.05 ug/g	<0.05	-	-	-	13 ug/g	13 ug/g
Bromoform	0.05 ug/g	<0.05	-	-	-	0.27 ug/g	0.26 ug/g
Bromomethane	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.05 ug/g
Carbon Tetrachloride	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.12 ug/g
Chlorobenzene	0.05 ug/g	<0.05	-	-	-	2.4 ug/g	2.7 ug/g
Chloroform	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.18 ug/g
Dibromochloromethane	0.05 ug/g	<0.05	-	-	-	9.4 ug/g	9.4 ug/g
Dichlorodifluoromethane	0.05 ug/g	<0.05	-	-	-	16 ug/g	25 ug/g
1,2-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	3.4 ug/g	4.3 ug/g
1,3-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	4.8 ug/g	6 ug/g
1,4-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	0.083 ug/g	0.097 ug/g
1,1-Dichloroethane	0.05 ug/g	<0.05	-	-	-	3.5 ug/g	11 ug/g
1,2-Dichloroethane	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.05 ug/g
1,1-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.05 ug/g
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	3.4 ug/g	30 ug/g
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	0.084 ug/g	0.75 ug/g
1,2-Dichloropropane	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.085 ug/g
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	-	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	-	-	-	-

Certificate of Analysis

Report Date: 06-May-2024

Client: G2S Environmental Consulting Inc. (Burlington)

Order Date: 30-Apr-2024

Client PO: Fieldgate

Project Description: G2S24018

	Client ID:	BH207 S4				Criteria:	
	Sample Date:	29-Apr-24 12:00				Reg 153/04 -T3 Res/Park, coarse	Reg 153/04 -T3 Res/Park, fine
	Sample ID:	2418205-13					
	Matrix:	Soil					
	MDL/Units						
Volatiles							
1,3-Dichloropropene, total	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.083 ug/g
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.05 ug/g
Ethylbenzene	0.05 ug/g	<0.05	-	-	-	2 ug/g	15 ug/g
Hexane	0.05 ug/g	<0.05	-	-	-	2.8 ug/g	34 ug/g
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	-	-	-	16 ug/g	44 ug/g
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	-	-	-	1.7 ug/g	4.3 ug/g
Methyl tert-butyl ether	0.05 ug/g	<0.05	-	-	-	0.75 ug/g	1.4 ug/g
Methylene Chloride	0.05 ug/g	<0.05	-	-	-	0.1 ug/g	0.96 ug/g
Styrene	0.05 ug/g	<0.05	-	-	-	0.7 ug/g	2.2 ug/g
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	-	-	-	0.058 ug/g	0.05 ug/g
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.05 ug/g
Tetrachloroethylene	0.05 ug/g	<0.05	-	-	-	0.28 ug/g	2.3 ug/g
Toluene	0.05 ug/g	<0.05	-	-	-	2.3 ug/g	6 ug/g
1,1,1-Trichloroethane	0.05 ug/g	<0.05	-	-	-	0.38 ug/g	3.4 ug/g
1,1,2-Trichloroethane	0.05 ug/g	<0.05	-	-	-	0.05 ug/g	0.05 ug/g
Trichloroethylene	0.05 ug/g	<0.05	-	-	-	0.061 ug/g	0.52 ug/g
Trichlorofluoromethane	0.05 ug/g	<0.05	-	-	-	4 ug/g	5.8 ug/g
Vinyl chloride	0.02 ug/g	<0.02	-	-	-	0.02 ug/g	0.022 ug/g
m,p-Xylenes	0.05 ug/g	<0.05	-	-	-	-	-
o-Xylene	0.05 ug/g	<0.05	-	-	-	-	-
Xylenes, total	0.05 ug/g	<0.05	-	-	-	3.1 ug/g	25 ug/g
Dibromofluoromethane	Surrogate	92.0%	-	-	-	-	-
Toluene-d8	Surrogate	102%	-	-	-	-	-
4-Bromofluorobenzene	Surrogate	105%	-	-	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics								
SAR	ND	0.01	N/A					
Conductivity	ND	0.005	mS/cm					
Cyanide, free	ND	0.03	ug/g					
Hydrocarbons								
F1 PHCs (C6-C10)	ND	7	ug/g					
F2 PHCs (C10-C16)	ND	4	ug/g					
F3 PHCs (C16-C34)	ND	8	ug/g					
F4 PHCs (C34-C50)	ND	6	ug/g					
Metals								
Antimony	ND	1.0	ug/g					
Arsenic	ND	1.0	ug/g					
Barium	ND	1.0	ug/g					
Beryllium	ND	0.5	ug/g					
Boron, available	ND	0.5	ug/g					
Boron	ND	5.0	ug/g					
Cadmium	ND	0.5	ug/g					
Chromium (VI)	ND	0.2	ug/g					
Chromium	ND	5.0	ug/g					
Cobalt	ND	1.0	ug/g					
Copper	ND	5.0	ug/g					
Lead	ND	1.0	ug/g					
Mercury	ND	0.1	ug/g					
Molybdenum	ND	1.0	ug/g					
Nickel	ND	5.0	ug/g					
Selenium	ND	1.0	ug/g					
Silver	ND	0.3	ug/g					
Thallium	ND	1.0	ug/g					
Uranium	ND	1.0	ug/g					
Vanadium	ND	10.0	ug/g					
Zinc	ND	20.0	ug/g					
PCBs								
PCBs, total	ND	0.05	ug/g					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Decachlorobiphenyl	*0.116*		*%*	*116*	*60-140*			
Volatiles								
Acetone	ND	0.50	ug/g					
Benzene	ND	0.02	ug/g					
Bromodichloromethane	ND	0.05	ug/g					
Bromoform	ND	0.05	ug/g					
Bromomethane	ND	0.05	ug/g					
Carbon Tetrachloride	ND	0.05	ug/g					
Chlorobenzene	ND	0.05	ug/g					
Chloroform	ND	0.05	ug/g					
Dibromochloromethane	ND	0.05	ug/g					
Dichlorodifluoromethane	ND	0.05	ug/g					
1,2-Dichlorobenzene	ND	0.05	ug/g					
1,3-Dichlorobenzene	ND	0.05	ug/g					
1,4-Dichlorobenzene	ND	0.05	ug/g					
1,1-Dichloroethane	ND	0.05	ug/g					
1,2-Dichloroethane	ND	0.05	ug/g					
1,1-Dichloroethylene	ND	0.05	ug/g					
cis-1,2-Dichloroethylene	ND	0.05	ug/g					
trans-1,2-Dichloroethylene	ND	0.05	ug/g					
1,2-Dichloropropane	ND	0.05	ug/g					
cis-1,3-Dichloropropylene	ND	0.05	ug/g					
trans-1,3-Dichloropropylene	ND	0.05	ug/g					
1,3-Dichloropropene, total	ND	0.05	ug/g					
Ethylbenzene	ND	0.05	ug/g					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g					
Hexane	ND	0.05	ug/g					
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g					
Methyl Isobutyl Ketone	ND	0.50	ug/g					
Methyl tert-butyl ether	ND	0.05	ug/g					
Methylene Chloride	ND	0.05	ug/g					
Styrene	ND	0.05	ug/g					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g					
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g					
Tetrachloroethylene	ND	0.05	ug/g					
Toluene	ND	0.05	ug/g					
1,1,1-Trichloroethane	ND	0.05	ug/g					
1,1,2-Trichloroethane	ND	0.05	ug/g					
Trichloroethylene	ND	0.05	ug/g					
Trichlorofluoromethane	ND	0.05	ug/g					
Vinyl chloride	ND	0.02	ug/g					
m,p-Xylenes	ND	0.05	ug/g					
o-Xylene	ND	0.05	ug/g					
Xylenes, total	ND	0.05	ug/g					
Surrogate: 4-Bromofluorobenzene	*8.31*		*%*	*104*	*50-140*			
Surrogate: Dibromofluoromethane	*7.82*		*%*	*97.7*	*50-140*			
Surrogate: Toluene-d8	*8.08*		*%*	*101*	*50-140*			
Benzene	ND	0.02	ug/g					
Ethylbenzene	ND	0.05	ug/g					
Toluene	ND	0.05	ug/g					
m,p-Xylenes	ND	0.05	ug/g					
o-Xylene	ND	0.05	ug/g					
Xylenes, total	ND	0.05	ug/g					
Surrogate: Toluene-d8	*8.08*		*%*	*101*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
SAR	0.97	0.01	N/A	0.94			3.1	30	
Conductivity	0.344	0.005	mS/cm	0.354			2.8	5	
Cyanide, free	ND	0.03	ug/g	ND			NC	35	
pH	7.76	0.05	pH Units	7.83			0.9	10	
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g	ND			NC	40	
F2 PHCs (C10-C16)	ND	4	ug/g	ND			NC	30	
F3 PHCs (C16-C34)	ND	8	ug/g	ND			NC	30	
F4 PHCs (C34-C50)	ND	6	ug/g	ND			NC	30	
Metals									
Antimony	ND	1.0	ug/g	ND			NC	30	
Arsenic	3.4	1.0	ug/g	4.4			27.1	30	
Barium	97.7	1.0	ug/g	103			5.6	30	
Beryllium	0.7	0.5	ug/g	0.7			7.4	30	
Boron, available	ND	0.5	ug/g	ND			NC	35	
Boron	8.7	5.0	ug/g	9.0			3.8	30	
Cadmium	ND	0.5	ug/g	ND			NC	30	
Chromium (VI)	ND	0.2	ug/g	ND			NC	35	
Chromium	19.9	5.0	ug/g	22.2			11.0	30	
Cobalt	9.5	1.0	ug/g	10.3			8.1	30	
Copper	18.7	5.0	ug/g	20.8			10.9	30	
Lead	6.7	1.0	ug/g	7.6			11.8	30	
Mercury	ND	0.1	ug/g	ND			NC	30	
Molybdenum	ND	1.0	ug/g	ND			NC	30	
Nickel	20.7	5.0	ug/g	23.5			12.5	30	
Selenium	ND	1.0	ug/g	ND			NC	30	
Silver	ND	0.3	ug/g	ND			NC	30	
Thallium	ND	1.0	ug/g	ND			NC	30	
Uranium	ND	1.0	ug/g	ND			NC	30	
Vanadium	27.3	10.0	ug/g	30.5			11.3	30	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Zinc	47.4	20.0	ug/g	74.6			44.4	30	
PCBs									
PCBs, total	ND	0.05	ug/g	ND			NC	40	
Surrogate: Decachlorobiphenyl	*0.115*		*%*		*94.7*	*60-140*			
Physical Characteristics									
% Solids	85.7	0.1	% by Wt.	85.8			0.1	25	
Volatiles									
Acetone	ND	0.50	ug/g	ND			NC	50	
Benzene	ND	0.02	ug/g	ND			NC	50	
Bromodichloromethane	ND	0.05	ug/g	ND			NC	50	
Bromoform	ND	0.05	ug/g	ND			NC	50	
Bromomethane	ND	0.05	ug/g	ND			NC	50	
Carbon Tetrachloride	ND	0.05	ug/g	ND			NC	50	
Chlorobenzene	ND	0.05	ug/g	ND			NC	50	
Chloroform	ND	0.05	ug/g	ND			NC	50	
Dibromochloromethane	ND	0.05	ug/g	ND			NC	50	
Dichlorodifluoromethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,3-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,4-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
cis-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
trans-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloropropane	ND	0.05	ug/g	ND			NC	50	
cis-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
trans-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
Ethylbenzene	ND	0.05	ug/g	ND			NC	50	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g	ND			NC	50	
Hexane	ND	0.05	ug/g	ND			NC	50	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g	ND			NC	50	
Methyl Isobutyl Ketone	ND	0.50	ug/g	ND			NC	50	
Methyl tert-butyl ether	ND	0.05	ug/g	ND			NC	50	
Methylene Chloride	ND	0.05	ug/g	ND			NC	50	
Styrene	ND	0.05	ug/g	ND			NC	50	
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
Tetrachloroethylene	ND	0.05	ug/g	ND			NC	50	
Toluene	ND	0.05	ug/g	ND			NC	50	
1,1,1-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
Trichloroethylene	ND	0.05	ug/g	ND			NC	50	
Trichlorofluoromethane	ND	0.05	ug/g	ND			NC	50	
Vinyl chloride	ND	0.02	ug/g	ND			NC	50	
m,p-Xylenes	ND	0.05	ug/g	ND			NC	50	
o-Xylene	ND	0.05	ug/g	ND			NC	50	
Surrogate: 4-Bromofluorobenzene	*6.77*		*%*		*105*	*50-140*			
Surrogate: Dibromofluoromethane	*6.32*		*%*		*97.9*	*50-140*			
Surrogate: Toluene-d8	*6.55*		*%*		*101*	*50-140*			
Benzene	ND	0.02	ug/g	ND			NC	50	
Ethylbenzene	ND	0.05	ug/g	ND			NC	50	
Toluene	ND	0.05	ug/g	ND			NC	50	
m,p-Xylenes	ND	0.05	ug/g	ND			NC	50	
o-Xylene	ND	0.05	ug/g	ND			NC	50	
Surrogate: Toluene-d8	*6.55*		*%*		*101*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
Cyanide, free	0.346	0.03	ug/g	ND	99.2	70-130			
Hydrocarbons									
F1 PHCs (C6-C10)	44	7	ug/g	ND	80.8	0-200			
F2 PHCs (C10-C16)	120	4	ug/g	ND	119	60-140			
F3 PHCs (C16-C34)	184	8	ug/g	ND	80.7	60-140			
F4 PHCs (C34-C50)	188	6	ug/g	ND	115	60-140			
Metals									
Antimony	126	1.0	ug/g	ND	101	70-130			
Arsenic	126	1.0	ug/g	4.4	97.3	70-130			
Barium	227	1.0	ug/g	103	98.7	70-130			
Beryllium	128	0.5	ug/g	0.7	102	70-130			
Boron, available	4.18	0.5	ug/g	ND	83.7	70-122			
Boron	133	5.0	ug/g	9.0	99.0	70-130			
Cadmium	124	0.5	ug/g	ND	99.5	70-130			
Chromium (VI)	4.5	0.2	ug/g	ND	82.0	70-130			
Chromium	143	5.0	ug/g	22.2	96.9	70-130			
Cobalt	135	1.0	ug/g	10.3	99.7	70-130			
Copper	139	5.0	ug/g	20.8	94.3	70-130			
Lead	126	1.0	ug/g	7.6	94.9	70-130			
Mercury	1.70	0.1	ug/g	ND	113	70-130			
Molybdenum	123	1.0	ug/g	ND	98.0	70-130			
Nickel	140	5.0	ug/g	23.5	92.8	70-130			
Selenium	117	1.0	ug/g	ND	93.7	70-130			
Silver	143	0.3	ug/g	ND	115	70-130			
Thallium	124	1.0	ug/g	ND	98.9	70-130			
Uranium	119	1.0	ug/g	ND	95.6	70-130			
Vanadium	153	10.0	ug/g	30.5	97.8	70-130			
Zinc	164	20.0	ug/g	74.6	71.4	70-130			
PCBs									
PCBs, total	0.411	0.05	ug/g	ND	84.8	60-140			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Decachlorobiphenyl	*0.111*		*%*		*91.9*	*60-140*			
Volatiles									
Acetone	95.0	0.50	ug/g	ND	95.0	50-140			
Benzene	38.0	0.02	ug/g	ND	94.7	50-140			
Bromodichloromethane	40.9	0.05	ug/g	ND	102	50-140			
Bromoform	45.3	0.05	ug/g	ND	112	50-140			
Bromomethane	124	0.05	ug/g	ND	315	50-140			QM-07
Carbon Tetrachloride	34.8	0.05	ug/g	ND	86.7	50-140			
Chlorobenzene	41.8	0.05	ug/g	ND	104	50-140			
Chloroform	41.1	0.05	ug/g	ND	102	50-140			
Dibromochloromethane	41.7	0.05	ug/g	ND	103	50-140			
Dichlorodifluoromethane	45.2	0.05	ug/g	ND	112	50-140			
1,2-Dichlorobenzene	41.1	0.05	ug/g	ND	102	50-140			
1,3-Dichlorobenzene	41.3	0.05	ug/g	ND	102	50-140			
1,4-Dichlorobenzene	39.2	0.05	ug/g	ND	97.2	50-140			
1,1-Dichloroethane	39.8	0.05	ug/g	ND	99.1	50-140			
1,2-Dichloroethane	38.2	0.05	ug/g	ND	94.7	50-140			
1,1-Dichloroethylene	40.0	0.05	ug/g	ND	99.7	50-140			
cis-1,2-Dichloroethylene	42.4	0.05	ug/g	ND	106	50-140			
trans-1,2-Dichloroethylene	39.5	0.05	ug/g	ND	98.3	50-140			
1,2-Dichloropropane	37.5	0.05	ug/g	ND	93.0	50-140			
cis-1,3-Dichloropropylene	39.2	0.05	ug/g	ND	97.7	50-140			
trans-1,3-Dichloropropylene	43.0	0.05	ug/g	ND	107	50-140			
Ethylbenzene	40.4	0.05	ug/g	ND	101	50-140			
Ethylene dibromide (dibromoethane, 1,2-)	40.9	0.05	ug/g	ND	102	50-140			
Hexane	38.6	0.05	ug/g	ND	96.6	50-140			
Methyl Ethyl Ketone (2-Butanone)	84.4	0.50	ug/g	ND	84.3	50-140			
Methyl Isobutyl Ketone	61.3	0.50	ug/g	ND	61.3	50-140			
Methyl tert-butyl ether	84.6	0.05	ug/g	ND	83.8	50-140			
Methylene Chloride	42.4	0.05	ug/g	ND	106	50-140			
Styrene	38.1	0.05	ug/g	ND	94.8	50-140			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	39.7	0.05	ug/g	ND	98.9	50-140			
1,1,2,2-Tetrachloroethane	38.4	0.05	ug/g	ND	95.7	50-140			
Tetrachloroethylene	41.3	0.05	ug/g	ND	103	50-140			
Toluene	38.7	0.05	ug/g	ND	96.8	50-140			
1,1,1-Trichloroethane	38.3	0.05	ug/g	ND	95.5	50-140			
1,1,2-Trichloroethane	40.9	0.05	ug/g	ND	102	50-140			
Trichloroethylene	40.9	0.05	ug/g	ND	102	50-140			
Trichlorofluoromethane	44.4	0.05	ug/g	ND	110	50-140			
Vinyl chloride	55.4	0.02	ug/g	ND	137	50-140			
m,p-Xylenes	78.3	0.05	ug/g	ND	97.7	50-140			
o-Xylene	40.6	0.05	ug/g	ND	101	50-140			
Surrogate: 4-Bromofluorobenzene	*7.23*		*%*		*96.9*	*50-140*			
Surrogate: Dibromofluoromethane	*7.84*		*%*		*105*	*50-140*			
Surrogate: Toluene-d8	*6.88*		*%*		*92.2*	*50-140*			
Benzene	38.0	0.02	ug/g	ND	94.7	50-140			
Ethylbenzene	40.4	0.05	ug/g	ND	101	50-140			
Toluene	38.7	0.05	ug/g	ND	96.8	50-140			
m,p-Xylenes	78.3	0.05	ug/g	ND	97.7	50-140			
o-Xylene	40.6	0.05	ug/g	ND	101	50-140			
Surrogate: Toluene-d8	*6.88*		*%*		*92.2*	*50-140*			

Qualifier Notes:

QC Qualifiers:

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

Sample Data Revisions:

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

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

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

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

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

CCME PHC additional information:

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

- F1 range corrected for BTEX.

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

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

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

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

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Paracel ID: 2418205

Chain Of Custody
(Lab Use Only)

Client Name: G2S	Project Ref: G2S24018
Contact Name: Hailey Perras	Quote #: Standing Offer
Address: 4361 Harvester Rd - Unit 12 Burlington, ON	PO #: Fieldgate
Telephone: 905 220 8587	E-mail: danah@g2sconsulting.com haileyp@g2sconsulting.com

Page 1 of 2

Turnaround Time

☐ 1 day ☐ 3 day
☐ 2 day ☒ Regular
Date Required: _____

☒ REG 153/04 ☐ REG 406/19

Other Regulation	
☐ Table 1 ☒ Res/Park ☒ Med/Fine	☐ REG 558 ☐ PWQO
☐ Table 2 ☐ Ind/Comm ☒ Coarse	☐ CCME ☐ MISA
☒ Table 3 ☐ Agri/Other	☐ SU - Sani ☐ SU - Storm
☐ Table ___	Mun:
For RSC: ☒ Yes ☐ No	☐ Other:

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

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	Metals + Inorganics	PCBs			
1	BH201 S1	S		3	04/29/24	PM	X								X			
2	BH201 S4	S		3				X						X				
3	BH202 S5	S		3				X										
4	BH203 S1	S		3			X								X			
5	BH203 S2	S		3		↓		X						X				
6	BH204 S2	S		3		AM	X							X				
7	BH204 S8	S		3				X										
8	BH205 S2	S		1										X				
9	BH205 S6	S		3				X										
10	BH206 S4	S		1	↓	↓								X				

Comments:

Method of Delivery: ~~Walk-in~~ Courier

Relinquished By (Sign): Hailey Perras	Received at Depot:	Received at Lab: C-Ply	Verified By: C-Ply
Relinquished By (Print): Hailey Perras	Date/Time:	Date/Time: 04/30/24 15:11	Date/Time: 04/30/24 16:16
Date/Time: 04/30/24 2:00 PM	Temperature: °C	Temperature: 14.7	pH Verified: ☐ By:

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Paracel ID: 2418205

Chain Of Custody
(Lab Use Only)

Client Name: G2S	Project Ref: G2524018	Page 2 of 2
Contact Name: Hailey Perras	Quote #: Standing Offer	**Turnaround Time**
Address: 4361 Harvester Rd-Unit 12 Burlington ON	PO #: Fieldgate	☐ 1 day ☐ 3 day ☐ 2 day ☒ Regular
Telephone: 905 220 8587	E-mail: danah@g2sconsulting.com haileyp@g2sconsulting.com	Date Required:

☒ REG 153/04 ☐ REG 406/19

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

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

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

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	Metals+Inorganics	PCBs			
1	BH206 S7	S		3	04/29/24	AM	X											
2	BH207 S1	S		3	↓	PM	X								X			
3	BH207 S4	S		3	↓	↓		X						X				
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Required Analysis

Comments:

Method of Delivery: ~~Walk-in~~ Zoom

Relinquished By (Sign): Hailey Perras	Received at Depot:	Received at Lab: C-Ply	Verified By: C-Ply
Relinquished By (Print): Hailey Perras	Date/Time:	Date/Time: 04/30/24 15:11	Date/Time: 04/30/24 16:16
Date/Time: 2024/04/30 2:00 pm	Temperature: °C	Temperature: 14.7	pH Verified: ☐ By:

Chain of Custody (Env).xlsx Revision 5.0

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Certificate of Analysis

G2S Environmental Consulting Inc. (Burlington)
4361 Harvester Road, Unit 12
Burlington, ON L7L 5M4
Attn: Whitney Bowden

Client PO: 3403-3445 Fieldgate Dr. Mississauga
Project: G2S24018
Custody: 144355

Report Date: 13-May-2024
Order Date: 6-May-2024

Order #: 2419132

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

Paracel ID	Client ID
2419132-01	Trip Blank
2419132-02	MW201
2419132-03	MW202
2419132-04	MW203
2419132-05	MW204
2419132-06	MW205
2419132-07	MW1
2419132-08	MW3
2419132-09	MW4
2419132-10	MW5

Approved By:

Dale Robertson, BSc
Laboratory Director

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Anions	EPA 300.1 - IC	8-May-24	8-May-24
Chromium, hexavalent - water	MOE E3056 - colourimetric	9-May-24	9-May-24
Cyanide, free	MOE E3015 - Auto Colour	9-May-24	9-May-24
Mercury by CVAA	EPA 245.2 - Cold Vapour AA	8-May-24	9-May-24
Metals, ICP-MS	EPA 200.8 - ICP-MS	10-May-24	13-May-24
PCBs, total	EPA 608 - GC-ECD	10-May-24	10-May-24
pH	EPA 150.1 - pH probe @25 °C	9-May-24	9-May-24
PHC F1	CWS Tier 1 - P&T GC-FID	9-May-24	9-May-24
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	9-May-24	10-May-24
REG 153: VOCs by P&T GC/MS	EPA 624 - P&T GC-MS	9-May-24	9-May-24

Certificate of Analysis

Report Date: 13-May-2024

Client: G2S Environmental Consulting Inc. (Burlington)

Order Date: 6-May-2024

Client PO: 3403-3445 Fieldgate Dr. Mississauga

Project Description: G2S24018

Summary of Criteria Exceedances

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

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

Regulatory Comparison:

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

Sample	Analyte	MDL / Units	Result	Reg 153/04 -T3 Non-Potable Groundwater, coarse	Reg 153/04 -T3 Non-Potable Groundwater, fine
MW202	Chloride	1000 ug/L	2340000	2300000 ug/L	2300000 ug/L
MW202	Tetrachloroethylene	0.5 ug/L	33.8	1.6 ug/L	17 ug/L
MW203	Tetrachloroethylene	0.5 ug/L	18.3	1.6 ug/L	17 ug/L
MW204	pH	0.1 pH Units	11.9	5.00 - 9.00 pH Units	5.00 - 9.00 pH Units
MW204	Chloride	1000 ug/L	2340000	2300000 ug/L	2300000 ug/L
MW204	Tetrachloroethylene	0.5 ug/L	30.1	1.6 ug/L	17 ug/L
MW4	pH	0.1 pH Units	11.6	5.00 - 9.00 pH Units	5.00 - 9.00 pH Units

PARACEL LABORATORIES LTD.

Order #: 2419132

Certificate of Analysis

Report Date: 13-May-2024

Client: G2S Environmental Consulting Inc. (Burlington)

Order Date: 6-May-2024

Client PO: 3403-3445 Fieldgate Dr. Mississauga

Project Description: G2S24018

	Client ID:	Trip Blank	MW201	MW202	MW203	Criteria:	
	Sample Date:	01-May-24 15:42	06-May-24 17:00	06-May-24 17:00	06-May-24 17:00		
	Sample ID:	2419132-01	2419132-02	2419132-03	2419132-04		
	Matrix:	Water	Ground Water	Ground Water	Ground Water		
	MDL/Units					Reg 153/04 -T3 Non-Potable Groundwater, coarse	Reg 153/04 -T3 Non-Potable Groundwater, fine
General Inorganics							
Cyanide, free	2 ug/L	-	<2	<2	<2	66 ug/L	66 ug/L
pH	0.1 pH Units	-	8.1	7.9	8.0	5.00 - 9.00 pH Units	5.00 - 9.00 pH Units
Anions							
Chloride	1000 ug/L	-	895000	2340000	846000	2300000 ug/L	2300000 ug/L
Metals							
Mercury	0.1 ug/L	-	<0.1	<0.1	<0.1	0.29 ug/L	2.8 ug/L
Antimony	0.5 ug/L	-	<0.5	<0.5	<0.5	20000 ug/L	20000 ug/L
Arsenic	1 ug/L	-	<1	<1	<1	1900 ug/L	1900 ug/L
Barium	1 ug/L	-	58	163	139	29000 ug/L	29000 ug/L
Beryllium	0.5 ug/L	-	<0.5	<0.5	<0.5	67 ug/L	67 ug/L
Boron	10 ug/L	-	106	39	86	45000 ug/L	45000 ug/L
Cadmium	0.1 ug/L	-	<0.1	<0.1	<0.1	2.7 ug/L	2.7 ug/L
Chromium	1 ug/L	-	<1	6	<1	810 ug/L	810 ug/L
Chromium (VI)	10 ug/L	-	<10	<10	<10	140 ug/L	140 ug/L
Cobalt	0.5 ug/L	-	1.5	0.8	1.7	66 ug/L	66 ug/L
Copper	0.5 ug/L	-	2.5	1.1	1.9	87 ug/L	87 ug/L
Lead	0.1 ug/L	-	0.7	0.2	0.6	25 ug/L	25 ug/L
Molybdenum	0.5 ug/L	-	1.8	2.0	3.5	9200 ug/L	9200 ug/L
Nickel	1 ug/L	-	2	<1	3	490 ug/L	490 ug/L
Selenium	1 ug/L	-	<1	<1	<1	63 ug/L	63 ug/L
Silver	0.1 ug/L	-	<0.1	<0.1	<0.1	1.5 ug/L	1.5 ug/L
Sodium	200 ug/L	-	666000	1000000	435000	2300000 ug/L	2300000 ug/L
Thallium	0.1 ug/L	-	<0.1	<0.1	<0.1	510 ug/L	510 ug/L
Uranium	0.1 ug/L	-	6.1	1.8	1.2	420 ug/L	420 ug/L
Vanadium	0.5 ug/L	-	<0.5	0.6	1.0	250 ug/L	250 ug/L

Certificate of Analysis

Report Date: 13-May-2024

Client: **G2S Environmental Consulting Inc. (Burlington)**

Order Date: 6-May-2024

Client PO: **3403-3445 Fieldgate Dr. Mississauga**

Project Description: G2S24018

	Client ID:	Trip Blank	MW201	MW202	MW203	Criteria:	
	Sample Date:	01-May-24 15:42	06-May-24 17:00	06-May-24 17:00	06-May-24 17:00	**Reg 153/04 -T3 Non-Potable Groundwater, coarse**	**Reg 153/04 -T3 Non-Potable Groundwater, fine**
	Sample ID:	2419132-01	2419132-02	2419132-03	2419132-04		
	Matrix:	Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Metals							
Zinc	5 ug/L	-	<5	<5	<5	1100 ug/L	1100 ug/L
Volatiles							
Acetone	5.0 ug/L	<5.0	<5.0	<5.0	17.1	130000 ug/L	130000 ug/L
Benzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	44 ug/L	430 ug/L
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	85000 ug/L	85000 ug/L
Bromoform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	380 ug/L	770 ug/L
Bromomethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	5.6 ug/L	56 ug/L
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	0.79 ug/L	8.4 ug/L
Chlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	630 ug/L	630 ug/L
Chloroform	0.5 ug/L	<0.5	<0.5	1.0	<0.5	2.4 ug/L	22 ug/L
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	82000 ug/L	82000 ug/L
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	4400 ug/L	4400 ug/L
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	4600 ug/L	9600 ug/L
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	9600 ug/L	9600 ug/L
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	8 ug/L	67 ug/L
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	320 ug/L	3100 ug/L
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1.6 ug/L	12 ug/L
1,1-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1.6 ug/L	17 ug/L
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1.6 ug/L	17 ug/L
trans-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1.6 ug/L	17 ug/L
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	16 ug/L	140 ug/L
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	5.2 ug/L	45 ug/L
Ethylbenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	2300 ug/L	2300 ug/L

	Client ID:	Trip Blank	MW201	MW202	MW203	Criteria:	
	Sample Date:	01-May-24 15:42	06-May-24 17:00	06-May-24 17:00	06-May-24 17:00	Reg 153/04 -T3 Non-Potable Groundwater, coarse	Reg 153/04 -T3 Non-Potable Groundwater, fine
	Sample ID:	2419132-01	2419132-02	2419132-03	2419132-04		
	Matrix:	Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	0.25 ug/L	0.83 ug/L
Hexane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	51 ug/L	520 ug/L
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	470000 ug/L	1500000 ug/L
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	140000 ug/L	580000 ug/L
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	<2.0	<2.0	190 ug/L	1400 ug/L
Methylene Chloride	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	610 ug/L	5500 ug/L
Styrene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1300 ug/L	9100 ug/L
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	3.3 ug/L	28 ug/L
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	3.2 ug/L	15 ug/L
Tetrachloroethylene	0.5 ug/L	<0.5	<0.5	33.8	18.3	1.6 ug/L	17 ug/L
Toluene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	18000 ug/L	18000 ug/L
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	640 ug/L	6700 ug/L
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	4.7 ug/L	30 ug/L
Trichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	1.6 ug/L	17 ug/L
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	2500 ug/L	2500 ug/L
Vinyl chloride	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	0.5 ug/L	1.7 ug/L
m,p-Xylenes	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
o-Xylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Xylenes, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	4200 ug/L	4200 ug/L
Dibromofluoromethane	Surrogate	114%	117%	117%	118%	-	-
Toluene-d8	Surrogate	114%	115%	112%	113%	-	-
4-Bromofluorobenzene	Surrogate	118%	117%	117%	117%	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	25 ug/L	-	<25	<25	<25	750 ug/L	750 ug/L
F2 PHCs (C10-C16)	100 ug/L	-	<100	<100	<100	150 ug/L	150 ug/L

Certificate of Analysis

Report Date: 13-May-2024

Client: **G2S Environmental Consulting Inc. (Burlington)**

Order Date: 6-May-2024

Client PO: **3403-3445 Fieldgate Dr. Mississauga**

Project Description: G2S24018

	Client ID:	Trip Blank	MW201	MW202	MW203	Criteria:	
	Sample Date:	01-May-24 15:42	06-May-24 17:00	06-May-24 17:00	06-May-24 17:00	Reg 153/04 -T3 Non-Potable Groundwater, coarse	Reg 153/04 -T3 Non-Potable Groundwater, fine
	Sample ID:	2419132-01	2419132-02	2419132-03	2419132-04		
	Matrix:	Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Hydrocarbons							
F3 PHCs (C16-C34)	100 ug/L	-	<100	<100	<100	500 ug/L	500 ug/L
F4 PHCs (C34-C50)	100 ug/L	-	<100	<100	<100	500 ug/L	500 ug/L
PCBs							
PCBs, total	0.05 ug/L	-	<0.05	-	<0.05	7.8 ug/L	15 ug/L
Decachlorobiphenyl	Surrogate	-	83.0%	-	88.5%	-	-

	Client ID:	MW204	MW205	MW1	MW3	Criteria:	
	Sample Date:	06-May-24 17:00	06-May-24 17:00	06-May-24 17:00	06-May-24 17:00	Reg 153/04 -T3 Non-Potable Groundwater, coarse	Reg 153/04 -T3 Non-Potable Groundwater, fine
	Sample ID:	2419132-05	2419132-06	2419132-07	2419132-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
General Inorganics							
Cyanide, free	2 ug/L	2	-	-	-	66 ug/L	66 ug/L
pH	0.1 pH Units	11.9	-	-	-	5.00 - 9.00 pH Units	5.00 - 9.00 pH Units
Anions							
Chloride	1000 ug/L	2340000	-	-	-	2300000 ug/L	2300000 ug/L
Metals							
Mercury	0.1 ug/L	<0.1	-	-	-	0.29 ug/L	2.8 ug/L
Antimony	0.5 ug/L	<0.5	-	-	-	20000 ug/L	20000 ug/L
Arsenic	1 ug/L	<1	-	-	-	1900 ug/L	1900 ug/L
Barium	1 ug/L	163	-	-	-	29000 ug/L	29000 ug/L
Beryllium	0.5 ug/L	<0.5	-	-	-	67 ug/L	67 ug/L
Boron	10 ug/L	39	-	-	-	45000 ug/L	45000 ug/L
Cadmium	0.1 ug/L	<0.1	-	-	-	2.7 ug/L	2.7 ug/L
Chromium	1 ug/L	7	-	-	-	810 ug/L	810 ug/L
Chromium (VI)	10 ug/L	<10	-	-	-	140 ug/L	140 ug/L
Cobalt	0.5 ug/L	0.8	-	-	-	66 ug/L	66 ug/L
Copper	0.5 ug/L	1.9	-	-	-	87 ug/L	87 ug/L
Lead	0.1 ug/L	0.2	-	-	-	25 ug/L	25 ug/L
Molybdenum	0.5 ug/L	1.9	-	-	-	9200 ug/L	9200 ug/L
Nickel	1 ug/L	<1	-	-	-	490 ug/L	490 ug/L
Selenium	1 ug/L	<1	-	-	-	63 ug/L	63 ug/L
Silver	0.1 ug/L	<0.1	-	-	-	1.5 ug/L	1.5 ug/L
Sodium	200 ug/L	1020000	-	-	-	2300000 ug/L	2300000 ug/L
Thallium	0.1 ug/L	<0.1	-	-	-	510 ug/L	510 ug/L
Uranium	0.1 ug/L	1.8	-	-	-	420 ug/L	420 ug/L
Vanadium	0.5 ug/L	0.6	-	-	-	250 ug/L	250 ug/L

	Client ID:	MW204	MW205	MW1	MW3	Criteria:	
	Sample Date:	06-May-24 17:00	06-May-24 17:00	06-May-24 17:00	06-May-24 17:00	Reg 153/04 -T3 Non-Potable Groundwater, coarse	Reg 153/04 -T3 Non-Potable Groundwater, fine
	Sample ID:	2419132-05	2419132-06	2419132-07	2419132-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Metals							
Zinc	5 ug/L	<5	-	-	-	1100 ug/L	1100 ug/L
Volatiles							
Acetone	5.0 ug/L	<5.0	-	<5.0	<5.0	130000 ug/L	130000 ug/L
Benzene	0.5 ug/L	<0.5	-	<0.5	<0.5	44 ug/L	430 ug/L
Bromodichloromethane	0.5 ug/L	<0.5	-	<0.5	<0.5	85000 ug/L	85000 ug/L
Bromoform	0.5 ug/L	<0.5	-	<0.5	<0.5	380 ug/L	770 ug/L
Bromomethane	0.5 ug/L	<0.5	-	<0.5	<0.5	5.6 ug/L	56 ug/L
Carbon Tetrachloride	0.2 ug/L	<0.2	-	<0.2	<0.2	0.79 ug/L	8.4 ug/L
Chlorobenzene	0.5 ug/L	<0.5	-	<0.5	<0.5	630 ug/L	630 ug/L
Chloroform	0.5 ug/L	1.3	-	<0.5	<0.5	2.4 ug/L	22 ug/L
Dibromochloromethane	0.5 ug/L	<0.5	-	<0.5	<0.5	82000 ug/L	82000 ug/L
Dichlorodifluoromethane	1.0 ug/L	<1.0	-	<1.0	<1.0	4400 ug/L	4400 ug/L
1,2-Dichlorobenzene	0.5 ug/L	<0.5	-	<0.5	<0.5	4600 ug/L	9600 ug/L
1,3-Dichlorobenzene	0.5 ug/L	<0.5	-	<0.5	<0.5	9600 ug/L	9600 ug/L
1,4-Dichlorobenzene	0.5 ug/L	<0.5	-	<0.5	<0.5	8 ug/L	67 ug/L
1,1-Dichloroethane	0.5 ug/L	<0.5	-	<0.5	<0.5	320 ug/L	3100 ug/L
1,2-Dichloroethane	0.5 ug/L	<0.5	-	<0.5	<0.5	1.6 ug/L	12 ug/L
1,1-Dichloroethylene	0.5 ug/L	<0.5	-	<0.5	<0.5	1.6 ug/L	17 ug/L
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	-	<0.5	<0.5	1.6 ug/L	17 ug/L
trans-1,2-Dichloroethylene	0.5 ug/L	<0.5	-	<0.5	<0.5	1.6 ug/L	17 ug/L
1,2-Dichloropropane	0.5 ug/L	<0.5	-	<0.5	<0.5	16 ug/L	140 ug/L
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	-	<0.5	<0.5	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	-	<0.5	<0.5	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	-	<0.5	<0.5	5.2 ug/L	45 ug/L
Ethylbenzene	0.5 ug/L	<0.5	-	<0.5	<0.5	2300 ug/L	2300 ug/L

Certificate of Analysis

Report Date: 13-May-2024

Client: **G2S Environmental Consulting Inc. (Burlington)**

Order Date: 6-May-2024

Client PO: **3403-3445 Fieldgate Dr. Mississauga**

Project Description: G2S24018

	Client ID:	MW204	MW205	MW1	MW3	Criteria:	
	Sample Date:	06-May-24 17:00	06-May-24 17:00	06-May-24 17:00	06-May-24 17:00	Reg 153/04 -T3 Non-Potable Groundwater, coarse	Reg 153/04 -T3 Non-Potable Groundwater, fine
	Sample ID:	2419132-05	2419132-06	2419132-07	2419132-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	-	<0.2	<0.2	0.25 ug/L	0.83 ug/L
Hexane	1.0 ug/L	<1.0	-	<1.0	<1.0	51 ug/L	520 ug/L
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	-	<5.0	<5.0	470000 ug/L	1500000 ug/L
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	-	<5.0	<5.0	140000 ug/L	580000 ug/L
Methyl tert-butyl ether	2.0 ug/L	<2.0	-	<2.0	<2.0	190 ug/L	1400 ug/L
Methylene Chloride	5.0 ug/L	<5.0	-	<5.0	<5.0	610 ug/L	5500 ug/L
Styrene	0.5 ug/L	<0.5	-	<0.5	<0.5	1300 ug/L	9100 ug/L
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	-	<0.5	<0.5	3.3 ug/L	28 ug/L
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	-	<0.5	<0.5	3.2 ug/L	15 ug/L
Tetrachloroethylene	0.5 ug/L	30.1	-	<0.5	<0.5	1.6 ug/L	17 ug/L
Toluene	0.5 ug/L	<0.5	-	<0.5	<0.5	18000 ug/L	18000 ug/L
1,1,1-Trichloroethane	0.5 ug/L	<0.5	-	<0.5	<0.5	640 ug/L	6700 ug/L
1,1,2-Trichloroethane	0.5 ug/L	<0.5	-	<0.5	<0.5	4.7 ug/L	30 ug/L
Trichloroethylene	0.5 ug/L	<0.5	-	<0.5	<0.5	1.6 ug/L	17 ug/L
Trichlorofluoromethane	1.0 ug/L	<1.0	-	<1.0	<1.0	2500 ug/L	2500 ug/L
Vinyl chloride	0.5 ug/L	<0.5	-	<0.5	<0.5	0.5 ug/L	1.7 ug/L
m,p-Xylenes	0.5 ug/L	<0.5	-	<0.5	<0.5	-	-
o-Xylene	0.5 ug/L	<0.5	-	<0.5	<0.5	-	-
Xylenes, total	0.5 ug/L	<0.5	-	<0.5	<0.5	4200 ug/L	4200 ug/L
Toluene-d8	Surrogate	113%	-	113%	113%	-	-
4-Bromofluorobenzene	Surrogate	118%	-	119%	118%	-	-
Dibromofluoromethane	Surrogate	117%	-	118%	117%	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	25 ug/L	<25	-	<25	<25	750 ug/L	750 ug/L
F2 PHCs (C10-C16)	100 ug/L	<100	-	<100	<100	150 ug/L	150 ug/L

Certificate of Analysis

Report Date: 13-May-2024

Client: **G2S Environmental Consulting Inc. (Burlington)**

Order Date: 6-May-2024

Client PO: **3403-3445 Fieldgate Dr. Mississauga**

Project Description: G2S24018

	Client ID:	MW204	MW205	MW1	MW3	Criteria:	
	Sample Date:	06-May-24 17:00	06-May-24 17:00	06-May-24 17:00	06-May-24 17:00	Reg 153/04 -T3 Non-Potable Groundwater, coarse	Reg 153/04 -T3 Non-Potable Groundwater, fine
	Sample ID:	2419132-05	2419132-06	2419132-07	2419132-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Hydrocarbons							
F3 PHCs (C16-C34)	100 ug/L	<100	-	<100	<100	500 ug/L	500 ug/L
F4 PHCs (C34-C50)	100 ug/L	<100	-	<100	<100	500 ug/L	500 ug/L
PCBs							
PCBs, total	0.05 ug/L	-	<0.05	-	-	7.8 ug/L	15 ug/L
Decachlorobiphenyl	Surrogate	-	89.5%	-	-	-	-

Certificate of Analysis

Report Date: 13-May-2024

Client: G2S Environmental Consulting Inc. (Burlington)

Order Date: 6-May-2024

Client PO: 3403-3445 Fieldgate Dr. Mississauga

Project Description: G2S24018

	Client ID:	MW4	MW5			Criteria:	
	Sample Date:	06-May-24 17:00	06-May-24 17:00			Reg 153/04 -T3 Non-Potable Groundwater, coarse	Reg 153/04 -T3 Non-Potable Groundwater, fine
	Sample ID:	2419132-09	2419132-10				
	Matrix:	Ground Water	Ground Water				
	MDL/Units						
General Inorganics							
Cyanide, free	2 ug/L	<2	-	-	-	66 ug/L	66 ug/L
pH	0.1 pH Units	11.6	-	-	-	5.00 - 9.00 pH Units	5.00 - 9.00 pH Units
Anions							
Chloride	1000 ug/L	1040000	-	-	-	2300000 ug/L	2300000 ug/L
Metals							
Mercury	0.1 ug/L	<0.1	-	-	-	0.29 ug/L	2.8 ug/L
Antimony	0.5 ug/L	<0.5	-	-	-	20000 ug/L	20000 ug/L
Arsenic	1 ug/L	<1	-	-	-	1900 ug/L	1900 ug/L
Barium	1 ug/L	104	-	-	-	29000 ug/L	29000 ug/L
Beryllium	0.5 ug/L	<0.5	-	-	-	67 ug/L	67 ug/L
Boron	10 ug/L	1700	-	-	-	45000 ug/L	45000 ug/L
Cadmium	0.1 ug/L	<0.1	-	-	-	2.7 ug/L	2.7 ug/L
Chromium (VI)	10 ug/L	<10	-	-	-	140 ug/L	140 ug/L
Chromium	1 ug/L	<1	-	-	-	810 ug/L	810 ug/L
Cobalt	0.5 ug/L	0.8	-	-	-	66 ug/L	66 ug/L
Copper	0.5 ug/L	0.7	-	-	-	87 ug/L	87 ug/L
Lead	0.1 ug/L	0.5	-	-	-	25 ug/L	25 ug/L
Molybdenum	0.5 ug/L	17.6	-	-	-	9200 ug/L	9200 ug/L
Nickel	1 ug/L	1	-	-	-	490 ug/L	490 ug/L
Selenium	1 ug/L	<1	-	-	-	63 ug/L	63 ug/L
Silver	0.1 ug/L	<0.1	-	-	-	1.5 ug/L	1.5 ug/L
Sodium	200 ug/L	437000	-	-	-	2300000 ug/L	2300000 ug/L
Thallium	0.1 ug/L	<0.1	-	-	-	510 ug/L	510 ug/L
Uranium	0.1 ug/L	1.5	-	-	-	420 ug/L	420 ug/L
Vanadium	0.5 ug/L	2.0	-	-	-	250 ug/L	250 ug/L

	Client ID:	MW4	MW5			Criteria:	
	Sample Date:	06-May-24 17:00	06-May-24 17:00			Reg 153/04 -T3 Non-Potable Groundwater, coarse	Reg 153/04 -T3 Non-Potable Groundwater, fine
	Sample ID:	2419132-09	2419132-10				
	Matrix:	Ground Water	Ground Water				
	MDL/Units						
Metals							
Zinc	5 ug/L	<5	-	-	-	1100 ug/L	1100 ug/L
Volatiles							
Acetone	5.0 ug/L	<5.0	<5.0	-	-	130000 ug/L	130000 ug/L
Benzene	0.5 ug/L	<0.5	<0.5	-	-	44 ug/L	430 ug/L
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	-	-	85000 ug/L	85000 ug/L
Bromoform	0.5 ug/L	<0.5	<0.5	-	-	380 ug/L	770 ug/L
Bromomethane	0.5 ug/L	<0.5	<0.5	-	-	5.6 ug/L	56 ug/L
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	-	-	0.79 ug/L	8.4 ug/L
Chlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	630 ug/L	630 ug/L
Chloroform	0.5 ug/L	<0.5	<0.5	-	-	2.4 ug/L	22 ug/L
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	-	-	82000 ug/L	82000 ug/L
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	-	-	4400 ug/L	4400 ug/L
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	4600 ug/L	9600 ug/L
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	9600 ug/L	9600 ug/L
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	8 ug/L	67 ug/L
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	-	-	320 ug/L	3100 ug/L
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	-	-	1.6 ug/L	12 ug/L
1,1-Dichloroethylene	0.5 ug/L	<0.5	<0.5	-	-	1.6 ug/L	17 ug/L
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	-	-	1.6 ug/L	17 ug/L
trans-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	-	-	1.6 ug/L	17 ug/L
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	-	-	16 ug/L	140 ug/L
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	-	-	5.2 ug/L	45 ug/L
Ethylbenzene	0.5 ug/L	<0.5	<0.5	-	-	2300 ug/L	2300 ug/L

Certificate of Analysis

Report Date: 13-May-2024

Client: G2S Environmental Consulting Inc. (Burlington)

Order Date: 6-May-2024

Client PO: 3403-3445 Fieldgate Dr. Mississauga

Project Description: G2S24018

	Client ID:	MW4	MW5			Criteria:	
	Sample Date:	06-May-24 17:00	06-May-24 17:00			Reg 153/04 -T3 Non-Potable Groundwater, coarse	Reg 153/04 -T3 Non-Potable Groundwater, fine
	Sample ID:	2419132-09	2419132-10				
	Matrix:	Ground Water	Ground Water				
	MDL/Units						
Volatiles							
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	-	-	0.25 ug/L	0.83 ug/L
Hexane	1.0 ug/L	<1.0	<1.0	-	-	51 ug/L	520 ug/L
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	-	-	470000 ug/L	1500000 ug/L
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	-	-	140000 ug/L	580000 ug/L
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	-	-	190 ug/L	1400 ug/L
Methylene Chloride	5.0 ug/L	<5.0	<5.0	-	-	610 ug/L	5500 ug/L
Styrene	0.5 ug/L	<0.5	<0.5	-	-	1300 ug/L	9100 ug/L
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	-	-	3.3 ug/L	28 ug/L
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	-	-	3.2 ug/L	15 ug/L
Tetrachloroethylene	0.5 ug/L	<0.5	<0.5	-	-	1.6 ug/L	17 ug/L
Toluene	0.5 ug/L	<0.5	<0.5	-	-	18000 ug/L	18000 ug/L
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	-	-	640 ug/L	6700 ug/L
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	-	-	4.7 ug/L	30 ug/L
Trichloroethylene	0.5 ug/L	<0.5	<0.5	-	-	1.6 ug/L	17 ug/L
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	-	-	2500 ug/L	2500 ug/L
Vinyl chloride	0.5 ug/L	<0.5	<0.5	-	-	0.5 ug/L	1.7 ug/L
m,p-Xylenes	0.5 ug/L	<0.5	<0.5	-	-	-	-
o-Xylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
Xylenes, total	0.5 ug/L	<0.5	<0.5	-	-	4200 ug/L	4200 ug/L
Dibromofluoromethane	Surrogate	118%	118%	-	-	-	-
4-Bromofluorobenzene	Surrogate	117%	119%	-	-	-	-
Toluene-d8	Surrogate	113%	113%	-	-	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	25 ug/L	<25	<25	-	-	750 ug/L	750 ug/L
F2 PHCs (C10-C16)	100 ug/L	<100	-	-	-	150 ug/L	150 ug/L

	Client ID:	MW4	MW5			Criteria:	
	Sample Date:	06-May-24 17:00	06-May-24 17:00			Reg 153/04 -T3 Non-Potable Groundwater, coarse	Reg 153/04 -T3 Non-Potable Groundwater, fine
	Sample ID:	2419132-09	2419132-10				
	Matrix:	Ground Water	Ground Water				
	MDL/Units						
Hydrocarbons							
F3 PHCs (C16-C34)	100 ug/L	<100	-	-	-	500 ug/L	500 ug/L
F4 PHCs (C34-C50)	100 ug/L	<100	-	-	-	500 ug/L	500 ug/L

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Anions								
Chloride	ND	1000	ug/L					
General Inorganics								
Cyanide, free	ND	2	ug/L					
Hydrocarbons								
F1 PHCs (C6-C10)	ND	25	ug/L					
F2 PHCs (C10-C16)	ND	100	ug/L					
F3 PHCs (C16-C34)	ND	100	ug/L					
F4 PHCs (C34-C50)	ND	100	ug/L					
Metals								
Mercury	ND	0.1	ug/L					
Antimony	ND	0.5	ug/L					
Arsenic	ND	1	ug/L					
Barium	ND	1	ug/L					
Beryllium	ND	0.5	ug/L					
Boron	ND	10	ug/L					
Cadmium	ND	0.1	ug/L					
Chromium (VI)	ND	10	ug/L					
Chromium	ND	1	ug/L					
Cobalt	ND	0.5	ug/L					
Copper	ND	0.5	ug/L					
Lead	ND	0.1	ug/L					
Molybdenum	ND	0.5	ug/L					
Nickel	ND	1	ug/L					
Selenium	ND	1	ug/L					
Silver	ND	0.1	ug/L					
Sodium	ND	200	ug/L					
Thallium	ND	0.1	ug/L					
Uranium	ND	0.1	ug/L					
Vanadium	ND	0.5	ug/L					
Zinc	ND	5	ug/L					
PCBs								
PCBs, total	ND	0.05	ug/L					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Decachlorobiphenyl	*0.468*		*%*	*93.6*	*60-140*			
Volatiles								
Acetone	ND	5.0	ug/L					
Benzene	ND	0.5	ug/L					
Bromodichloromethane	ND	0.5	ug/L					
Bromoform	ND	0.5	ug/L					
Bromomethane	ND	0.5	ug/L					
Carbon Tetrachloride	ND	0.2	ug/L					
Chlorobenzene	ND	0.5	ug/L					
Chloroform	ND	0.5	ug/L					
Dibromochloromethane	ND	0.5	ug/L					
Dichlorodifluoromethane	ND	1.0	ug/L					
1,2-Dichlorobenzene	ND	0.5	ug/L					
1,3-Dichlorobenzene	ND	0.5	ug/L					
1,4-Dichlorobenzene	ND	0.5	ug/L					
1,1-Dichloroethane	ND	0.5	ug/L					
1,2-Dichloroethane	ND	0.5	ug/L					
1,1-Dichloroethylene	ND	0.5	ug/L					
cis-1,2-Dichloroethylene	ND	0.5	ug/L					
trans-1,2-Dichloroethylene	ND	0.5	ug/L					
1,2-Dichloropropane	ND	0.5	ug/L					
cis-1,3-Dichloropropylene	ND	0.5	ug/L					
trans-1,3-Dichloropropylene	ND	0.5	ug/L					
1,3-Dichloropropene, total	ND	0.5	ug/L					
Ethylbenzene	ND	0.5	ug/L					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L					
Hexane	ND	1.0	ug/L					
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L					
Methyl Isobutyl Ketone	ND	5.0	ug/L					
Methyl tert-butyl ether	ND	2.0	ug/L					
Methylene Chloride	ND	5.0	ug/L					
Styrene	ND	0.5	ug/L					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L					
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L					
Tetrachloroethylene	ND	0.5	ug/L					
Toluene	ND	0.5	ug/L					
1,1,1-Trichloroethane	ND	0.5	ug/L					
1,1,2-Trichloroethane	ND	0.5	ug/L					
Trichloroethylene	ND	0.5	ug/L					
Trichlorofluoromethane	ND	1.0	ug/L					
Vinyl chloride	ND	0.5	ug/L					
m,p-Xylenes	ND	0.5	ug/L					
o-Xylene	ND	0.5	ug/L					
Xylenes, total	ND	0.5	ug/L					
Surrogate: 4-Bromofluorobenzene	*94.6*		*%*	*118*	*50-140*			
Surrogate: Dibromofluoromethane	*92.0*		*%*	*115*	*50-140*			
Surrogate: Toluene-d8	*89.9*		*%*	*112*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Anions									
Chloride	ND	1000	ug/L	ND			NC	20	
General Inorganics									
Cyanide, free	ND	2	ug/L	ND			NC	20	
pH	8.3	0.1	pH Units	8.3			0.2	3.3	
Hydrocarbons									
F1 PHCs (C6-C10)	ND	25	ug/L	ND			NC	30	
Metals									
Mercury	ND	0.1	ug/L	ND			NC	20	
Antimony	ND	0.5	ug/L	ND			NC	20	
Arsenic	ND	1	ug/L	ND			NC	20	
Barium	21.2	1	ug/L	23.5			10.3	20	
Beryllium	ND	0.5	ug/L	ND			NC	20	
Boron	20	10	ug/L	20			1.4	20	
Cadmium	ND	0.1	ug/L	ND			NC	20	
Chromium (VI)	ND	10	ug/L	ND			NC	20	
Chromium	ND	1	ug/L	ND			NC	20	
Cobalt	ND	0.5	ug/L	ND			NC	20	
Copper	1.92	0.5	ug/L	2.05			6.5	20	
Lead	0.18	0.1	ug/L	0.17			6.8	20	
Molybdenum	1.28	0.5	ug/L	1.26			1.6	20	
Nickel	ND	1	ug/L	ND			NC	20	
Selenium	ND	1	ug/L	ND			NC	20	
Silver	ND	0.1	ug/L	ND			NC	20	
Sodium	16200	200	ug/L	18100			11.3	20	
Thallium	ND	0.1	ug/L	ND			NC	20	
Uranium	ND	0.1	ug/L	ND			NC	20	
Vanadium	ND	0.5	ug/L	ND			NC	20	
Zinc	11	5	ug/L	7			NC	20	
Volatiles									
Acetone	ND	5.0	ug/L	ND			NC	30	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzene	ND	0.5	ug/L	ND			NC	30	
Bromodichloromethane	4.79	0.5	ug/L	5.65			16.5	30	
Bromoform	ND	0.5	ug/L	ND			NC	30	
Bromomethane	ND	0.5	ug/L	ND			NC	30	
Carbon Tetrachloride	ND	0.2	ug/L	ND			NC	30	
Chlorobenzene	ND	0.5	ug/L	ND			NC	30	
Chloroform	8.54	0.5	ug/L	8.97			4.9	30	
Dibromochloromethane	1.99	0.5	ug/L	2.48			21.9	30	
Dichlorodifluoromethane	ND	1.0	ug/L	ND			NC	30	
1,2-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,3-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,4-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
cis-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
trans-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloropropane	ND	0.5	ug/L	ND			NC	30	
cis-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
trans-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
Ethylbenzene	ND	0.5	ug/L	ND			NC	30	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L	ND			NC	30	
Hexane	ND	1.0	ug/L	ND			NC	30	
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	ND			NC	30	
Methyl Isobutyl Ketone	ND	5.0	ug/L	ND			NC	30	
Methyl tert-butyl ether	ND	2.0	ug/L	ND			NC	30	
Methylene Chloride	ND	5.0	ug/L	ND			NC	30	
Styrene	ND	0.5	ug/L	ND			NC	30	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
Tetrachloroethylene	ND	0.5	ug/L	ND			NC	30	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Toluene	ND	0.5	ug/L	ND			NC	30	
1,1,1-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
Trichloroethylene	ND	0.5	ug/L	ND			NC	30	
Trichlorofluoromethane	ND	1.0	ug/L	ND			NC	30	
Vinyl chloride	ND	0.5	ug/L	ND			NC	30	
m,p-Xylenes	ND	0.5	ug/L	ND			NC	30	
o-Xylene	ND	0.5	ug/L	ND			NC	30	
Surrogate: 4-Bromofluorobenzene	*94.9*		*%*		*119*	*50-140*			
Surrogate: Dibromofluoromethane	*93.4*		*%*		*117*	*50-140*			
Surrogate: Toluene-d8	*92.1*		*%*		*115*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Anions									
Chloride	10200	1000	ug/L	ND	102	70-124			
General Inorganics									
Cyanide, free	37.5	2	ug/L	ND	75.1	61-139			
Hydrocarbons									
F1 PHCs (C6-C10)	1900	25	ug/L	ND	111	85-115			
F2 PHCs (C10-C16)	2080	100	ug/L	ND	130	60-140			
F3 PHCs (C16-C34)	5400	100	ug/L	ND	138	60-140			
F4 PHCs (C34-C50)	2840	100	ug/L	ND	115	60-140			
Metals									
Mercury	2.87	0.1	ug/L	ND	95.5	70-130			
Arsenic	49.5	1	ug/L	ND	98.4	80-120			
Barium	71.0	1	ug/L	23.5	95.0	80-120			
Beryllium	50.1	0.5	ug/L	ND	100	80-120			
Boron	63	10	ug/L	20	85.5	80-120			
Cadmium	49.5	0.1	ug/L	ND	99.0	80-120			
Chromium (VI)	193	10	ug/L	ND	96.5	70-130			
Chromium	50.8	1	ug/L	ND	101	80-120			
Cobalt	48.5	0.5	ug/L	ND	96.9	80-120			
Copper	48.1	0.5	ug/L	2.05	92.0	80-120			
Lead	40.3	0.1	ug/L	0.17	80.3	80-120			
Molybdenum	44.1	0.5	ug/L	1.26	85.6	80-120			
Nickel	48.4	1	ug/L	ND	95.6	80-120			
Selenium	45.1	1	ug/L	ND	90.1	80-120			
Silver	46.5	0.1	ug/L	ND	93.1	80-120			
Sodium	24700	200	ug/L	18100	65.9	80-120			QM-07
Thallium	45.3	0.1	ug/L	ND	90.6	80-120			
Uranium	42.0	0.1	ug/L	ND	84.1	80-120			
Vanadium	51.3	0.5	ug/L	ND	102	80-120			
Zinc	53	5	ug/L	7	90.1	80-120			
PCBs									

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
PCBs, total	1.26	0.05	ug/L	ND	126	65-135			
Surrogate: Decachlorobiphenyl	*0.513*		*%*		*103*	*60-140*			
Volatiles									
Acetone	79.7	5.0	ug/L	ND	79.7	50-140			
Benzene	42.0	0.5	ug/L	ND	105	60-130			
Bromodichloromethane	48.1	0.5	ug/L	ND	120	60-130			
Bromoform	35.8	0.5	ug/L	ND	89.6	60-130			
Bromomethane	34.6	0.5	ug/L	ND	86.6	50-140			
Carbon Tetrachloride	41.9	0.2	ug/L	ND	105	60-130			
Chlorobenzene	37.8	0.5	ug/L	ND	94.4	60-130			
Chloroform	43.5	0.5	ug/L	ND	109	60-130			
Dibromochloromethane	37.4	0.5	ug/L	ND	93.4	60-130			
Dichlorodifluoromethane	44.2	1.0	ug/L	ND	110	50-140			
1,2-Dichlorobenzene	39.2	0.5	ug/L	ND	97.9	60-130			
1,3-Dichlorobenzene	35.8	0.5	ug/L	ND	89.4	60-130			
1,4-Dichlorobenzene	39.8	0.5	ug/L	ND	99.6	60-130			
1,1-Dichloroethane	40.8	0.5	ug/L	ND	102	60-130			
1,2-Dichloroethane	43.3	0.5	ug/L	ND	108	60-130			
1,1-Dichloroethylene	45.3	0.5	ug/L	ND	113	60-130			
cis-1,2-Dichloroethylene	37.9	0.5	ug/L	ND	94.8	60-130			
trans-1,2-Dichloroethylene	36.5	0.5	ug/L	ND	91.3	60-130			
1,2-Dichloropropane	40.8	0.5	ug/L	ND	102	60-130			
cis-1,3-Dichloropropylene	37.4	0.5	ug/L	ND	93.6	60-130			
trans-1,3-Dichloropropylene	41.8	0.5	ug/L	ND	105	60-130			
Ethylbenzene	38.0	0.5	ug/L	ND	94.9	60-130			
Ethylene dibromide (dibromoethane, 1,2-)	34.2	0.2	ug/L	ND	85.6	60-130			
Hexane	37.1	1.0	ug/L	ND	92.8	60-130			
Methyl Ethyl Ketone (2-Butanone)	78.4	5.0	ug/L	ND	78.4	50-140			
Methyl Isobutyl Ketone	77.7	5.0	ug/L	ND	77.7	50-140			
Methyl tert-butyl ether	85.6	2.0	ug/L	ND	85.6	50-140			
Methylene Chloride	44.6	5.0	ug/L	ND	111	60-130			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Styrene	35.5	0.5	ug/L	ND	88.7	60-130			
1,1,1,2-Tetrachloroethane	36.3	0.5	ug/L	ND	90.8	60-130			
1,1,2,2-Tetrachloroethane	41.5	0.5	ug/L	ND	104	60-130			
Tetrachloroethylene	36.1	0.5	ug/L	ND	90.2	60-130			
Toluene	38.5	0.5	ug/L	ND	96.2	60-130			
1,1,1-Trichloroethane	39.2	0.5	ug/L	ND	98.1	60-130			
1,1,2-Trichloroethane	46.8	0.5	ug/L	ND	117	60-130			
Trichloroethylene	38.8	0.5	ug/L	ND	97.0	60-130			
Trichlorofluoromethane	41.6	1.0	ug/L	ND	104	60-130			
Vinyl chloride	39.2	0.5	ug/L	ND	97.9	50-140			
m,p-Xylenes	75.4	0.5	ug/L	ND	94.3	60-130			
o-Xylene	39.4	0.5	ug/L	ND	98.5	60-130			
Surrogate: 4-Bromofluorobenzene	*84.8*		*%*		*106*	*50-140*			
Surrogate: Dibromofluoromethane	*96.8*		*%*		*121*	*50-140*			
Surrogate: Toluene-d8	*77.1*		*%*		*96.4*	*50-140*			

Qualifier Notes:

QC Qualifiers:

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

Sample Data Revisions:

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

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

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

CCME PHC additional information:

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

- F1 range corrected for BTEX.

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

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

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

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

PARACEL LABORATORIES LTD.

Paracel ID: 2419132

Paracel Order Number (Lab Use Only)	Chain of Custody (Lab Use Only)
2419132	№ 144355

Client Name: G2S Consulting Inc	Project Ref: G2524018
Contact Name:	Quote #: Standing offer
Address: 4361 Harvester Rd, Suite 12 Burlington, ON, L7L 5M4	PO #: 3403-3445 Fieldgate Dr, Mississauga
Telephone: 416-670-8252	E-mail: whitneyb@g2sconsulting.com

Page 1 of 1

Turnaround Time

☐ 1 day ☐ 3 day ☐ 2 day ☒ Regular

Date Required: _____

☒ REG 153/04 ☐ REG 406/19

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

Other Regulation

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

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

Required Analysis

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals ~~by ICP~~	Hg	CrVI	B (HWS)	PCB
1	Trip Blank	~~SW~~		1	May. 6/24	5:00		X						
2	MW201	GW		7			X	X		X	X	X		X
3	MW 202			6			X	X		X	X	X		
4	MW 203			7			X	X		X	X	X		X
5	MW 204			7			X	X		X	X	X		
6	MW 205			1										X
7	MW1			3			X	X						
8	MW3			3			X	X						
9	MW4			7			X	X		X	X	X		
10	MW5			3			X	X						

Comments:

Method of Delivery: [redacted] Drop Box

Relinquished By (Sign):	Received at Depot:	Received at Lab: SS	Verified By:
Relinquished By (Print): Manita Bieri	Date/Time: May 6/24 17:05	Date/Time: 8 May 24 1155	Date/Time: May 8,24 12 41
Date/Time: May 6/2024 5:00	Temperature: 18.9 °C	Temperature: 11.4 11.6 °C	pH Verified: ☐ By:

Chain of Custody (Env) xlsx

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Certificate of Analysis

G2S Environmental Consulting Inc. (Burlington)
4361 Harvester Road, Unit 12
Burlington, ON L7L 5M4
Attn: Whitney Bowden

Client PO:
Project: G2S24018
Custody:

Report Date: 21-May-2024
Order Date: 14-May-2024

Order #: 2420210

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

Paracel ID	Client ID
2420210-01	MW2

Approved By:

Alex Enfield, MSc
Lab Manager

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
PHC F1	CWS Tier 1 - P&T GC-FID	16-May-24	17-May-24
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	15-May-24	21-May-24
REG 153: Metals by ICP/MS, water	EPA 200.8, ICP-MS	21-May-24	21-May-24
REG 153: VOCs by P&T GC-MS	EPA 624 - P&T GC-MS	17-May-24	17-May-24

Summary of Criteria Exceedances

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

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

Regulatory Comparison:

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

Sample	Analyte	MDL / Units	Result	Reg 153/04 -T3 Non-Potable Groundwater, coarse	-

Certificate of Analysis

Report Date: 21-May-2024

Client: **G2S Environmental Consulting Inc. (Burlington)**

Order Date: 14-May-2024

Client PO:

Project Description: G2S24018

	Client ID:	MW2	-	-	-	Criteria:	
	Sample Date:	13-May-24 12:00	-	-	-	Reg 153/04 -T3 Non-Potable Groundwater, coarse	-
	Sample ID:	2420210-01	-	-	-		
	Matrix:	Ground Water	-	-	-		
	MDL/Units						
Metals							
Antimony	0.5 ug/L	<0.5	-	-	-	20000 ug/L	-
Arsenic	1.0 ug/L	<1.0	-	-	-	1900 ug/L	-
Barium	1.0 ug/L	64.3	-	-	-	29000 ug/L	-
Beryllium	0.5 ug/L	<0.5	-	-	-	67 ug/L	-
Boron	10.0 ug/L	67.5	-	-	-	45000 ug/L	-
Cadmium	0.2 ug/L	<0.2	-	-	-	2.7 ug/L	-
Chromium	1.0 ug/L	<1.0	-	-	-	810 ug/L	-
Cobalt	0.5 ug/L	<0.5	-	-	-	66 ug/L	-
Copper	0.5 ug/L	3.7	-	-	-	87 ug/L	-
Lead	0.2 ug/L	<0.2	-	-	-	25 ug/L	-
Molybdenum	0.5 ug/L	<0.5	-	-	-	9200 ug/L	-
Nickel	1.0 ug/L	1.6	-	-	-	490 ug/L	-
Selenium	1.0 ug/L	<1.0	-	-	-	63 ug/L	-
Silver	0.2 ug/L	<0.2	-	-	-	1.5 ug/L	-
Sodium	200 ug/L	1150000	-	-	-	2300000 ug/L	-
Thallium	0.5 ug/L	<0.5	-	-	-	510 ug/L	-
Uranium	0.2 ug/L	0.3	-	-	-	420 ug/L	-
Vanadium	0.5 ug/L	<0.5	-	-	-	250 ug/L	-
Zinc	5.0 ug/L	<5.0	-	-	-	1100 ug/L	-
Volatiles							
Acetone	5.0 ug/L	<5.0	-	-	-	130000 ug/L	-
Benzene	0.5 ug/L	<0.5	-	-	-	44 ug/L	-
Bromodichloromethane	0.5 ug/L	<0.5	-	-	-	85000 ug/L	-
Bromoform	0.5 ug/L	<0.5	-	-	-	380 ug/L	-
Bromomethane	0.5 ug/L	<0.5	-	-	-	5.6 ug/L	-

	Client ID:	MW2	-	-	-	Criteria:	
	Sample Date:	13-May-24 12:00	-	-	-	Reg 153/04 -T3 Non-Potable Groundwater, coarse	-
	Sample ID:	2420210-01	-	-	-		
	Matrix:	Ground Water	-	-	-		
	MDL/Units						
Volatiles							
Carbon Tetrachloride	0.2 ug/L	<0.2	-	-	-	0.79 ug/L	-
Chlorobenzene	0.5 ug/L	<0.5	-	-	-	630 ug/L	-
Chloroform	0.5 ug/L	<0.5	-	-	-	2.4 ug/L	-
Dibromochloromethane	0.5 ug/L	<0.5	-	-	-	82000 ug/L	-
Dichlorodifluoromethane	1.0 ug/L	<1.0	-	-	-	4400 ug/L	-
1,2-Dichlorobenzene	0.5 ug/L	<0.5	-	-	-	4600 ug/L	-
1,3-Dichlorobenzene	0.5 ug/L	<0.5	-	-	-	9600 ug/L	-
1,4-Dichlorobenzene	0.5 ug/L	<0.5	-	-	-	8 ug/L	-
1,1-Dichloroethane	0.5 ug/L	<0.5	-	-	-	320 ug/L	-
1,2-Dichloroethane	0.5 ug/L	<0.5	-	-	-	1.6 ug/L	-
1,1-Dichloroethylene	0.5 ug/L	<0.5	-	-	-	1.6 ug/L	-
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	-	-	-	1.6 ug/L	-
trans-1,2-Dichloroethylene	0.5 ug/L	<0.5	-	-	-	1.6 ug/L	-
1,2-Dichloropropane	0.5 ug/L	<0.5	-	-	-	16 ug/L	-
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	-	-	-	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	-	-	-	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	-	-	-	5.2 ug/L	-
Ethylbenzene	0.5 ug/L	<0.5	-	-	-	2300 ug/L	-
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	-	-	-	0.25 ug/L	-
Hexane	1.0 ug/L	<1.0	-	-	-	51 ug/L	-
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	-	-	-	470000 ug/L	-
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	-	-	-	140000 ug/L	-
Methyl tert-butyl ether	2.0 ug/L	<2.0	-	-	-	190 ug/L	-
Methylene Chloride	5.0 ug/L	<5.0	-	-	-	610 ug/L	-
Styrene	0.5 ug/L	<0.5	-	-	-	1300 ug/L	-

Certificate of Analysis

Report Date: 21-May-2024

Client: G2S Environmental Consulting Inc. (Burlington)

Order Date: 14-May-2024

Client PO:

Project Description: G2S24018

	Client ID:	MW2	-	-	-	Criteria:	
	Sample Date:	13-May-24 12:00	-	-	-	Reg 153/04 -T3 Non-Potable Groundwater, coarse	-
	Sample ID:	2420210-01	-	-	-		
	Matrix:	Ground Water	-	-	-		
	MDL/Units						
Volatiles							
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	-	-	-	3.3 ug/L	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	-	-	-	3.2 ug/L	-
Tetrachloroethylene	0.5 ug/L	<0.5	-	-	-	1.6 ug/L	-
Toluene	0.5 ug/L	<0.5	-	-	-	18000 ug/L	-
1,1,1-Trichloroethane	0.5 ug/L	<0.5	-	-	-	640 ug/L	-
1,1,2-Trichloroethane	0.5 ug/L	<0.5	-	-	-	4.7 ug/L	-
Trichloroethylene	0.5 ug/L	<0.5	-	-	-	1.6 ug/L	-
Trichlorofluoromethane	1.0 ug/L	<1.0	-	-	-	2500 ug/L	-
Vinyl chloride	0.5 ug/L	<0.5	-	-	-	0.5 ug/L	-
m,p-Xylenes	0.5 ug/L	<0.5	-	-	-	-	-
o-Xylene	0.5 ug/L	<0.5	-	-	-	-	-
Xylenes, total	0.05 ug/L	<0.05	-	-	-	4200 ug/L	-
4-Bromofluorobenzene	Surrogate	96.9%	-	-	-	-	-
Toluene-d8	Surrogate	108%	-	-	-	-	-
Dibromofluoromethane	Surrogate	67.1%	-	-	-	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	25 ug/L	<25	-	-	-	750 ug/L	-
F2 PHCs (C10-C16)	100 ug/L	<100	-	-	-	150 ug/L	-
F3 PHCs (C16-C34)	100 ug/L	<100	-	-	-	500 ug/L	-
F4 PHCs (C34-C50)	100 ug/L	<100	-	-	-	500 ug/L	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons								
F1 PHCs (C6-C10)	ND	25	ug/L					
F2 PHCs (C10-C16)	ND	100	ug/L					
F3 PHCs (C16-C34)	ND	100	ug/L					
F4 PHCs (C34-C50)	ND	100	ug/L					
Metals								
Antimony	ND	0.5	ug/L					
Arsenic	ND	1.0	ug/L					
Barium	ND	1.0	ug/L					
Beryllium	ND	0.5	ug/L					
Boron	ND	10.0	ug/L					
Cadmium	ND	0.2	ug/L					
Chromium	ND	1.0	ug/L					
Cobalt	ND	0.5	ug/L					
Copper	ND	0.5	ug/L					
Lead	ND	0.2	ug/L					
Molybdenum	ND	0.5	ug/L					
Nickel	ND	1.0	ug/L					
Selenium	ND	1.0	ug/L					
Silver	ND	0.2	ug/L					
Sodium	ND	200	ug/L					
Thallium	ND	0.5	ug/L					
Uranium	ND	0.2	ug/L					
Vanadium	ND	0.5	ug/L					
Zinc	ND	5.0	ug/L					
Volatiles								
Acetone	ND	5.0	ug/L					
Benzene	ND	0.5	ug/L					
Bromodichloromethane	ND	0.5	ug/L					
Bromoform	ND	0.5	ug/L					
Bromomethane	ND	0.5	ug/L					
Carbon Tetrachloride	ND	0.2	ug/L					
Chlorobenzene	ND	0.5	ug/L					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Chloroform	ND	0.5	ug/L					
Dibromochloromethane	ND	0.5	ug/L					
Dichlorodifluoromethane	ND	1.0	ug/L					
1,2-Dichlorobenzene	ND	0.5	ug/L					
1,3-Dichlorobenzene	ND	0.5	ug/L					
1,4-Dichlorobenzene	ND	0.5	ug/L					
1,1-Dichloroethane	ND	0.5	ug/L					
1,2-Dichloroethane	ND	0.5	ug/L					
1,1-Dichloroethylene	ND	0.5	ug/L					
cis-1,2-Dichloroethylene	ND	0.5	ug/L					
trans-1,2-Dichloroethylene	ND	0.5	ug/L					
1,2-Dichloropropane	ND	0.5	ug/L					
cis-1,3-Dichloropropylene	ND	0.5	ug/L					
trans-1,3-Dichloropropylene	ND	0.5	ug/L					
1,3-Dichloropropene, total	ND	0.5	ug/L					
Ethylbenzene	ND	0.5	ug/L					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L					
Hexane	ND	1.0	ug/L					
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L					
Methyl Isobutyl Ketone	ND	5.0	ug/L					
Methyl tert-butyl ether	ND	2.0	ug/L					
Methylene Chloride	ND	5.0	ug/L					
Styrene	ND	0.5	ug/L					
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L					
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L					
Tetrachloroethylene	ND	0.5	ug/L					
Toluene	ND	0.5	ug/L					
1,1,1-Trichloroethane	ND	0.5	ug/L					
1,1,2-Trichloroethane	ND	0.5	ug/L					
Trichloroethylene	ND	0.5	ug/L					
Trichlorofluoromethane	ND	1.0	ug/L					
Vinyl chloride	ND	0.5	ug/L					
m,p-Xylenes	ND	0.5	ug/L					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
o-Xylene	ND	0.5	ug/L					
Xylenes, total	ND	0.05	ug/L					
Surrogate: 4-Bromofluorobenzene	*78.9*		*%*	*98.6*	*50-140*			
Surrogate: Dibromofluoromethane	*55.0*		*%*	*68.8*	*50-140*			
Surrogate: Toluene-d8	*85.7*		*%*	*107*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	25	ug/L	ND			NC	30	
Metals									
Antimony	ND	0.5	ug/L	ND			NC	20	
Arsenic	ND	1.0	ug/L	ND			NC	20	
Barium	65.5	1.0	ug/L	64.3			1.9	20	
Beryllium	ND	0.5	ug/L	ND			NC	20	
Boron	65.1	10.0	ug/L	67.5			3.6	20	
Cadmium	ND	0.2	ug/L	ND			NC	20	
Chromium	ND	1.0	ug/L	ND			NC	20	
Cobalt	ND	0.5	ug/L	ND			NC	20	
Copper	3.7	0.5	ug/L	3.7			1.3	20	
Lead	ND	0.2	ug/L	ND			NC	20	
Molybdenum	ND	0.5	ug/L	ND			NC	20	
Nickel	1.7	1.0	ug/L	1.6			4.6	20	
Selenium	ND	1.0	ug/L	ND			NC	20	
Silver	ND	0.2	ug/L	ND			NC	20	
Sodium	1540000	200	ug/L	1150000			29.0	20	
Thallium	ND	0.5	ug/L	ND			NC	20	
Uranium	0.3	0.2	ug/L	0.3			0.7	20	
Vanadium	0.5	0.5	ug/L	ND			NC	20	
Zinc	ND	5.0	ug/L	ND			NC	20	
Volatiles									
Acetone	ND	5.0	ug/L	ND			NC	30	
Benzene	ND	0.5	ug/L	ND			NC	30	
Bromodichloromethane	ND	0.5	ug/L	ND			NC	30	
Bromoform	ND	0.5	ug/L	ND			NC	30	
Bromomethane	ND	0.5	ug/L	ND			NC	30	
Carbon Tetrachloride	ND	0.2	ug/L	ND			NC	30	
Chlorobenzene	ND	0.5	ug/L	ND			NC	30	
Chloroform	ND	0.5	ug/L	ND			NC	30	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Dibromochloromethane	ND	0.5	ug/L	ND			NC	30	
Dichlorodifluoromethane	ND	1.0	ug/L	ND			NC	30	
1,2-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,3-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,4-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
cis-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
trans-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloropropane	ND	0.5	ug/L	ND			NC	30	
cis-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
trans-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
Ethylbenzene	ND	0.5	ug/L	ND			NC	30	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L	ND			NC	30	
Hexane	ND	1.0	ug/L	ND			NC	30	
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	ND			NC	30	
Methyl Isobutyl Ketone	ND	5.0	ug/L	ND			NC	30	
Methyl tert-butyl ether	ND	2.0	ug/L	ND			NC	30	
Methylene Chloride	ND	5.0	ug/L	ND			NC	30	
Styrene	ND	0.5	ug/L	ND			NC	30	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
Tetrachloroethylene	ND	0.5	ug/L	ND			NC	30	
Toluene	ND	0.5	ug/L	ND			NC	30	
1,1,1-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
Trichloroethylene	ND	0.5	ug/L	ND			NC	30	
Trichlorofluoromethane	ND	1.0	ug/L	ND			NC	30	
Vinyl chloride	ND	0.5	ug/L	ND			NC	30	
m,p-Xylenes	ND	0.5	ug/L	ND			NC	30	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
o-Xylene	ND	0.5	ug/L	ND			NC	30	
Surrogate: 4-Bromofluorobenzene	*83.3*		*%*		*104*	*50-140*			
Surrogate: Dibromofluoromethane	*61.7*		*%*		*77.1*	*50-140*			
Surrogate: Toluene-d8	*83.2*		*%*		*104*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	620	25	ug/L	ND	87.7	0-200			
F2 PHCs (C10-C16)	1530	100	ug/L	ND	92.7	60-140			
F3 PHCs (C16-C34)	3240	100	ug/L	ND	87.4	60-140			
F4 PHCs (C34-C50)	2040	100	ug/L	ND	76.3	60-140			
Metals									
Antimony	55.2	0.5	ug/L	ND	110	70-130			
Arsenic	48.1	1.0	ug/L	ND	95.9	70-130			
Barium	109	1.0	ug/L	64.3	88.5	70-130			
Beryllium	54.4	0.5	ug/L	ND	109	70-130			
Boron	120	10.0	ug/L	67.5	105	70-130			
Cadmium	44.3	0.2	ug/L	ND	88.5	70-130			
Chromium	48.1	1.0	ug/L	ND	94.7	70-130			
Cobalt	47.7	0.5	ug/L	ND	94.5	70-130			
Copper	49.6	0.5	ug/L	3.7	91.7	70-130			
Lead	45.9	0.2	ug/L	ND	91.5	70-130			
Molybdenum	44.8	0.5	ug/L	ND	89.3	70-130			
Nickel	47.4	1.0	ug/L	1.6	91.6	70-130			
Selenium	44.5	1.0	ug/L	ND	88.8	70-130			
Silver	43.1	0.2	ug/L	ND	86.2	70-130			
Sodium	22800	200	ug/L	ND	91.1	80-120			
Thallium	42.6	0.5	ug/L	ND	85.3	70-130			
Uranium	44.8	0.2	ug/L	0.3	89.0	70-130			
Vanadium	51.0	0.5	ug/L	ND	102	70-130			
Zinc	46.1	5.0	ug/L	ND	85.6	70-130			
Volatiles									
Acetone	80.8	5.0	ug/L	ND	80.7	50-140			
Benzene	36.7	0.5	ug/L	ND	90.8	50-140			
Bromodichloromethane	38.8	0.5	ug/L	ND	96.5	50-140			
Bromoform	42.1	0.5	ug/L	ND	105	50-140			
Bromomethane	40.0	0.5	ug/L	ND	101	50-140			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Carbon Tetrachloride	38.7	0.2	ug/L	ND	96.2	50-140			
Chlorobenzene	40.0	0.5	ug/L	ND	99.4	50-140			
Chloroform	36.1	0.5	ug/L	ND	89.7	50-140			
Dibromochloromethane	41.2	0.5	ug/L	ND	102	50-140			
Dichlorodifluoromethane	43.7	1.0	ug/L	ND	108	50-140			
1,2-Dichlorobenzene	41.6	0.5	ug/L	ND	104	50-140			
1,3-Dichlorobenzene	42.4	0.5	ug/L	ND	106	50-140			
1,4-Dichlorobenzene	39.9	0.5	ug/L	ND	99.2	50-140			
1,1-Dichloroethane	37.5	0.5	ug/L	ND	93.2	50-140			
1,2-Dichloroethane	31.7	0.5	ug/L	ND	78.8	50-140			
1,1-Dichloroethylene	37.2	0.5	ug/L	ND	92.6	50-140			
cis-1,2-Dichloroethylene	37.0	0.5	ug/L	ND	91.7	50-140			
trans-1,2-Dichloroethylene	34.1	0.5	ug/L	ND	84.8	50-140			
1,2-Dichloropropane	37.6	0.5	ug/L	ND	93.5	50-140			
cis-1,3-Dichloropropylene	40.1	0.5	ug/L	ND	99.8	50-140			
trans-1,3-Dichloropropylene	43.1	0.5	ug/L	ND	107	50-140			
Ethylbenzene	38.4	0.5	ug/L	ND	94.9	50-140			
Ethylene dibromide (dibromoethane, 1,2-)	41.2	0.2	ug/L	ND	102	50-140			
Hexane	38.2	1.0	ug/L	ND	95.6	50-140			
Methyl Ethyl Ketone (2-Butanone)	81.2	5.0	ug/L	ND	81.1	50-140			
Methyl Isobutyl Ketone	106	5.0	ug/L	ND	106	50-140			
Methyl tert-butyl ether	82.3	2.0	ug/L	ND	81.5	50-140			
Methylene Chloride	36.0	5.0	ug/L	ND	89.6	50-140			
Styrene	44.3	0.5	ug/L	ND	110	50-140			
1,1,1,2-Tetrachloroethane	40.7	0.5	ug/L	ND	101	50-140			
1,1,2,2-Tetrachloroethane	41.4	0.5	ug/L	ND	103	50-140			
Tetrachloroethylene	42.9	0.5	ug/L	ND	107	50-140			
Toluene	38.5	0.5	ug/L	ND	95.4	50-140			
1,1,1-Trichloroethane	39.4	0.5	ug/L	ND	97.9	50-140			
1,1,2-Trichloroethane	39.1	0.5	ug/L	ND	97.3	50-140			
Trichloroethylene	39.3	0.5	ug/L	ND	97.8	50-140			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Trichlorofluoromethane	47.0	1.0	ug/L	ND	116	50-140			
Vinyl chloride	33.8	0.5	ug/L	ND	83.6	50-140			
m,p-Xylenes	76.5	0.5	ug/L	ND	94.7	50-140			
o-Xylene	38.2	0.5	ug/L	ND	94.4	50-140			
Surrogate: 4-Bromofluorobenzene	*90.1*		*%*		*113*	*50-140*			
Surrogate: Dibromofluoromethane	*90.1*		*%*		*113*	*50-140*			
Surrogate: Toluene-d8	*76.8*		*%*		*96.0*	*50-140*			

Qualifier Notes:

Sample Data Revisions:

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

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

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

CCME PHC additional information:

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

- F1 range corrected for BTEX.

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

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

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

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

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Chain Of Custody
(Lab Use Only)

Client Name: G2S	Project Ref: G2S24018
Contact Name: Whitney Borden	Quote #: Standing offer
Address: Burlington Office	PO #:
Telephone: 416 690 8252	E-mail: caitw@g2sconsulting.com whitneyb@g2sconsulting.com

Page 1 of 1

Turnaround Time

☐ 1 day ☐ 3 day ☐ 2 day ☑ Regular

Date Required:

☐ REG 153/04 ☐ REG 406/19

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

For RSC: ☑ Yes ☐ No

Other Regulation

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

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

Required Analysis

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)					
	Sample Taken				4 M D													
1	MW2	GW		4	2024/05/13	PM	X	X		X								
2	MW5	GW		1	2024/05/13	PM	X	X										
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

No.

Comments: MW5 F2-F4 only.

Method of Delivery: Walk In

Relinquished By (Sign): Cait W	Received at Depot:	Received at Lab: dtm	Verified By: C-Ply
Relinquished By (Print): Caitlin Warren	Date/Time:	Date/Time: 5/14/24 16:45	Date/Time: 05/14/24 16:56
Date/Time: 2024/05/14, 4:30	Temperature: °C	Temperature: 20.8	pH Verified: ☑ By: LP

Chain of Custody (Env).xlsx

Revision 5.0