Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, Ontario

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1 Executive Summary

EXP Services Inc. (EXP) was retained by 420 South Service Limited Partnership/South Service Holding Corp. ("Client") to complete a Phase Two Environmental Site Assessment (ESA) of the property municipally addressed 420 and 468 South Service Road East, in Oakville, Ontario (hereinafter referred to as the 'Site').

The Site is located on the south side of South Service Road East, approximately 260 metres (m) west of Chartwell Road, in Oakville, Ontario. The Site measures approximately 11.4 hectares (28.26 acres) in area and is currently vacant, however a portion of the former Site building (designated heritage) was located along the northern portion of the Site. Additionally, the foundations of the former buildings were still in place. The areas surrounding the former Site buildings (foundations) consisted of asphalt paved areas to the west, east and south, and the remainder of the Site consisted of overgrown vegetation. In addition, there were five (5) areas on-Site where stockpiles were observed. A berm was located in the southeast portion of the Site.

It is EXP's understanding that the Client is planning to redevelop the Site with mixed commercial / residential uses and a large park. The redevelopment of the Site will require a Record of Site Condition (RSC) to be filed. As such, the objective of the investigation was to support the filing of a RSC in accordance with Ontario Regulation (O.Reg.) 153/04 (as amended).

This Phase Two ESA was conducted in accordance with the Phase Two ESA standard defined by O. Reg. 153/04 and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 8 of this report.

The objective of the Phase Two ESA was to assess the areas of potential environmental concern (APECs) identified in the Draft Phase One ESA completed by EXP and dated September 30, 2024, and to support the filing of RSC on the Ontario Ministry of the Environment, Conservation and Parks (MECP) Environmental Brownfield Site Registry. Detailed information of the Areas of Potential Environmental Concern (APECs) is outlined in Section 4.0 of the report. The results and findings of the Phase Two ESA conducted at the Site are summarized as follows:

The results and findings of the Phase Two ESA conducted at the Site are summarized as follows:

- Thirty-six (36) boreholes were advanced by various licensed drilling companies between August 11, 2023, and August 12, 2024, to a maximum depth of 13.1 metres below ground surface (m bgs).
- Five (5) test pits were advanced by Terra Nova Environmental Services Inc. on July 3, 2024, to a maximum depth of 2 m bgs.
- The general stratigraphy encountered at the Site, as interpreted from the recovered soil samples, consisted of surficial materials followed by fill materials, underlain by native deposits of sand and silty clay till to a maximum depth of 3.8 meters below ground surface (m bgs). Bedrock was encountered in the majority of the boreholes. The bedrock at the Site was confirmed via coring as Georgian Bay Formation shale.
- Forty-two (42) monitoring wells were installed between August 11, 2023, and August 12, 2024, to order to assess the groundwater quality at the Site. Monitoring wells were installed at depths between 2.43 to 13.1 m bgs.
- Groundwater levels were measured between July 11, 2023, and September 10, 2024. Groundwater elevations ranged between 0.66 and 2.94 m bgs or 99.39 and 103.96 meters above sea level (m asl) for the overburden monitoring wells. For the shallow bedrock monitoring wells, the groundwater elevations ranged between 1.26 and 4.07 m bgs or 98.70 and 103.62 m asl, and for the deep bedrock monitoring wells, the groundwater elevations ranged between 4.43 and 11.22 m bgs and 93.24 and 101.33 m asl.
- Based on the groundwater contour map delineated for the Site, the groundwater was measured to flow in a south to southwest direction within the overburden and shallow bedrock monitoring wells. For the deep bedrock monitoring wells, it was measured in generally in a southern direction but was found to be moving both in a southwesterly and southeasterly

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direction. The groundwater contour plans are presented in Figures 6A, 6B, and 6C. EXP notes that the direction of localized groundwater flow is significantly influenced by disturbed soil (fill) and underground utilities within the Site. As such, the measured groundwater flow direction may not be representative of the regional area.

- The horizontal hydraulic gradients are as follows:
  - Overburden Aquifer – ranged from 0.003 m/m (between MW103 and MW133), 0.010 m/m (between MW103 and MW155), and 0.003 m/m (between MW103 and MW126).
  - Shallow Bedrock Aquifer – ranged from 0.0001 m/m (between MW132D and MW324), 0.009 m/m (between MW132D and MW150D), and 0.004 m/m (between MW132D and MW108).
  - Deep Bedrock Aquifer – ranged from 0.011 m/m (between MW333 and MW339), 0.023 m/m (between MW333 and MW337), and 0.023 m/m (between MW333 and MW308D).
- For assessment purposes, EXP selected the Table 2: Full Depth Generic Site Condition Standards (SCS) in a Potable Ground Water Condition for Residential/Parkland/Institutional (RPI) Property Use and medium/fine textured soil (Table 2 SCS).
- The Table 2 SCS criteria are applicable if soil pH is in the range of 5 to 9 for surface soil (less than 1.5 m below soil surface) and 5 to 11 for subsurface soil (greater than 1.5 m below soil surface).
  - The majority of the pH samples were within the range.
  - Elevated pH for two (2) surface soil samples were reported as 11.28 and 11.30 (from BH117 and BH223, respectively), which is above the SCS range of 5 to 9.
  - EXP completed a pH averaging program at the Site. The averaging program was completed in 2024, following the MECP 2021 guidance. The resulting pH ranged between 6.71 and 8.09 (BH211 and BH215, respectively), with the exception of the pH at BH117 and BH223 (11.28 and 11.30, respectively) which remained above the SCS range of 5 to 9. Soil at BH117 and BH223 will be excavated during remedial activities prior to the submission of the RSC.
- Soil samples were submitted for the analysis of one or more of the following: Petroleum Hydrocarbons (PHCs), Benzene, Toluene, Ethylbenzene and Xylenes (BTEX), Volatile Organic Compounds (VOCs), Metals, Hydride Forming Metals (HFMs), Boron (Hot Water Soluble) (HWS-B), Chromium VI (CrVI), Free Cyanide (CN-), Mercury (Hg), Methyl Mercury (MeHg), Polycyclic Aromatic Hydrocarbons (PAHs), Organochlorine Pesticides (OCPs), Polychlorinated Biphenyls (PCBs), and/or pH.
  - Concentrations of various PHCs, Metals, and PAHs, in soil samples were identified above the Table 2 SCS. Details of soil exceedances are shown in Figures 7 to 17.
- Groundwater samples were submitted for the analysis of on or more of the following: PHCs, BTEX, VOCs, Metals, HFMs, Cr(VI), Hg, MeHg, PAHs, and PCBs.
  - Concentrations of various PHCs, BTEX, VOCs, Metals, HFMs, and PAHs, in soil samples were identified above the Table 2 SCS. Details of groundwater exceedances are shown in Figures 18 to 25.
- Inspection of the soil cores retrieved from the boreholes did not indicate the presence of non-aqueous phase liquid (NAPL), staining or sheen, with the exception of BH119A. At this location, the soil cores indicated the presence of NAPL. In addition, evidence of non-measurable NAPL was observed in the purge water and on the oil-water interface meter during groundwater monitoring, purging and sampling activities at two (2) locations (MW119A and MW207A). Further, a sheen and strong PHC odour were noted at these locations.

Based on the findings of the Phase Two ESA, further environmental work (i.e., remediation and risk assessment etc.) is required prior to filing a RSC.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.

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2 Introduction

EXP Services Inc. (EXP) was retained by 420 South Service Limited Partnership/South Service Holding Corp. ("Client") to complete a Phase Two Environmental Site Assessment (ESA) of the property municipally addressed 420 and 468 South Service Road East, in Oakville, Ontario (hereinafter referred to as the 'Site').

It is EXP's understanding that the Client is planning to redevelop the Site for mixed commercial / residential and a large park. The redevelopment of the Site will require a Record of Site Condition (RSC) to be filed. As such, the objective of the investigation was to support the filing of a RSC in accordance with Ontario Regulation (O.Reg.) 153/04 (as amended).

This Phase Two ESA was conducted in accordance with the Phase Two ESA standard defined by O. Reg. 153/04 and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 8 of this report.

The objective of the Phase Two ESA was to assess the areas of potential environmental concern (APECs) identified in the Phase One ESA completed by EXP on September 30, 2024, and to support the filing of a RSC on the Ontario Ministry of the Environment, Conservation and Parks (MECP) Environmental Brownfield Site Registry.

2.1 Site Description

The Site is located on the south side of South Service Road East, approximately 260 metres (m) west of Chartwell Road in Oakville, Ontario. The Site measures approximately 11.4 hectares (28.26 acres) in area and is currently vacant, however a portion of the former Site building (designated heritage) was located along the northern portion of the Site. Additionally, the foundations of the former buildings were still in place The areas surrounding the former Site buildings (foundations) consisted of asphalt paved areas to the west, east and south, and the remainder of the Site consisted of overgrown vegetation. In addition, there were five (5) areas on-Site where stockpiles were observed. A berm was located in the southeast portion of the Site.

Refer to Figure 1 for a Site Location Plan.

2.2 Legal Description and Property Ownership

Refer to the table below for the Site identification information:

Municipal Address	420 and 468 South Service Road East, Oakville, Ontario
Current Land Use	Vacant
Proposed Land Use	Mixed-use Residential and Parkland
Legal Description	Pt lot 12, Con 3 TRAF SDS as in TW14350; Lots 113 & 114 Pl 1009
Property Identification Number (PIN)	24806-0373 (LT)
Approximate Universal Transverse Mercator (UTM) coordinates	NAD83 17T 606867 m E 4813086 m N
Accuracy Estimate of UTM	10-15 m
Measurement Method	Global Positioning System (GPS)
Site Area	11.4 hectares (28.26 acres)

Property Owners, Owner Contact and Address	South Service Holding Corp. 156 Duncan Mill Road, Suite 12 Toronto, Ontario
Name of Any Other Person Who Engaged the Qualified Person	Rose Corporation Contact: Amir Hazar and David Bannerman Email: amir@rosecorp.com and david@rosecorp.com

2.3 Current and Proposed Future Uses

Based on the review of historical aerial photographs, interviews, and other records, the western portion of the Site (420 South Service Road East) was initially developed in 1948 by General Electric (GE) for the manufacturing of car headlamps and fluorescent slim lines and was routinely expanded for further manufacturing operations until the facility was closed circa 2010. The northeastern portion of the Site (468 South Service Road East) was developed in 1956 as a gasoline service station (Supertest Petroleum), following which the eastern portion of the Site was acquired by GE to support its ongoing operations at 420 South Service Road East.

The Site is currently occupied by vacant land. It is EXP's understanding that the Site will be used as an interim storage facility with container storage and overnight parking for truck trailers.

Further, the Site will be redeveloped with mixed commercial / residential uses and a large park.

2.4 Applicable Site Condition Standards

Analytical results obtained for Site soil and groundwater samples were assessed against Site Condition Standards (SCS) as established under subsection 169.4(1) of the Environmental Protection Act, and presented in the document MECP "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act", ("SGWS" Standards), (MECP, 2011). Tabulated background SCS (Table 1) applicable to environmentally sensitive Sites and effects based generic SCS (Tables 2 to 9) applicable to non-environmentally sensitive Sites are provided in MECP (2011). The effects based SCS (Tables 2 to 9) are protective of human health and the environment for different groundwater conditions (potable and non-potable), land use scenarios (residential, parkland, institutional, commercial, industrial, community and agricultural/other), soil texture (coarse or medium/fine) and restoration depth (full or stratified).

For assessment purposes, EXP selected the Table 2: Full Depth Generic Site Condition Standards (SCS) in a Potable Ground Water Condition for Residential/Parkland/Institutional (RPI) Property Use and medium/fine textured soil (Table 2 SCS). The selection of this category was based on the following factors:

- More than 2/3 area of the Site has an overburden thickness greater than 2 m.
- The Site is located within 30 m of a surface water body or an area of natural significance.
- The soil at the Site has a pH value between 5 and 9 for surficial soils; and, between 5 and 11 for subsurface soils.
- The property is not located within an area of natural significance; does not include, nor is it adjacent to an area of natural significance, nor is it part of such an area; and, it does not include land that is within 30 m of an area of natural significance, nor is it part of such an area. Based on the review of available resources from the Ministry of Natural Resources and Forestry and MECP, no areas of natural significance were identified at the Site or within the Phase One Study Area. However, based on Halton Region the Site is located within a highly vulnerable aquifer
- The Site is serviced by the Town of Oakville water distribution system; and, to the best of EXP's knowledge, all properties within 250 m of the Site are serviced by the municipal water supply (i.e. there are no potable water supply wells located

within the Phase One Study Area). Based on a request to apply non-potable groundwater conditions with the Region of Halton, the Site is considered to be located within a highly vulnerable aquifer area. The response from the Region of Halton is included in Appendix F.

- The predominant soil type on the Site is considered to be fine textured (as per the soil description identified in the borehole logs in Appendix C, and the results of the 75-micron sieve result conducted during previous soil investigations).
- The Site proposed land use is mixed commercial/residential/parkland.
- There is no intention to carry out a stratified restoration at the Site.

3 Background Information

3.1 Physical Setting

The following physiographic, geological and soil maps were reviewed:

- "Toporama"; Natural Resources Canada. Map 030M11 - TORONTO. Scale 1:10,000. 2008.
- "Quaternary Geology, Seamless coverage of the Province of Ontario"; Data Set 14 - Revised, Scale 1: 1,000,000 Issued 2000.
- "Bedrock Geology of Ontario, Southern Sheet," Ontario Geological Survey, MDR126-REV1. Scale 1:250,000. Issued 2011.

Based on the review of the above maps, the following information was obtained:

- The Site slopes gently down from the north to south. The elevations range from approximately 106 m above sea level (asl) on the north portion of the Site, to 103 m asl on the south portion of the Site.
- A review of the topographic map indicated that two (2) tributaries of Morrison Creek are located approximately 60 m east and 300 m south of the Site. Both tributaries flow south/southeast towards Lake Ontario, which is located approximately 2 km south of the Site. Based on previous groundwater investigations, the inferred groundwater flow direction is to the southwest.
- The native overburden on-Site is expected to consist of Halton Till that predominantly consist of silt to silty clay matrix, high in matrix carbonate content and clast poor.
- The bedrock in the general area of the Site is part of a group belonging to the Georgian Bay Formation consisting of shale, limestone, dolostone, and siltstone.
- Based on previous data completed on-Site, weathered shale (bedrock) was located at depths between 1.2 m and 2.0 m, but was typically found between 2.0 to 3.0 m.

3.2 Previous Environmental Investigations

The following reports were available for review at the time of this Phase Two ESA:

1. *"General Electric Consumer & Industrial – Phase I Environmental Site Assessment, 468 South Service Road East, Oakville, Ontario"*, dated July 2007, prepared for GE Consumer & Industrial, prepared by AMEC Earth & Environmental Inc. (AMEC).
2. *"Demolition Project Summary Report – GE Oakville Lamp Plant, 420 & 468 South Service Road East, Oakville, Ontario",* dated March 19, 2012, prepared for General Electric Inc., prepared by Pinchin Environmental (Pinchin).
3. *"Underground Storage Tank Removal Report – Former General Electric Canada Lighting Facility, 420 South Service Road East, Oakville, Ontario",* dated November 2013, prepared for GE Canada, prepared by AECOM.
4. *"Draft Phase One Environmental Site Assessment, 420 and 468 South Service Road East, Oakville, Ontario",* dated February 2014, prepared for GE Canada, prepared by AECOM.
5. *"Draft Phase II Environmental Site Assessment – Former Oakville Lamp Manufacturing Plant, 420 and 468 South Service Road East, Oakville, Ontario",* dated January 2014, prepared for GE Canada, prepared by AECOM.
6. *"Soil & Groundwater Investigation, 420 and 468 South Service Road East, Oakville, Ontario",* dated January 2015, prepared for First Gulf Real Estate Corporation, prepared by Pinchin.
7. *"Soil Stockpile Characterization, 420 South Service Road East, Oakville, Ontario",* dated March 26, 2021, prepared for General Electric Company, prepared by Arcadis Canada Inc. (Arcadis).
8. *"Remedial Injection Completion, 420 South Service Road East, Oakville, Ontario",* dated February 15, 2023, prepared for General Electric Company, prepared by Arcadis.

9. *"Soil and Groundwater Sampling and Chemical Testing Program - 420 and 468 South Service Road East, Oakville, ON",* dated October 27, 2023 (Rev. November 20, 2023), prepared for Rose Acquisition Corporation, prepared by EXP Services Inc. (EXP).
10. *"Phase I Environmental Site Assessment – 420 and 468 South Service Road East, Oakville, ON.",* dated February 16, 2024, prepared for Rose Acquisition Corporation, prepared by EXP.

A summary of previous reports that were reviewed by EXP is provided in Table G-1 in Appendix G.

Based on the previous reports the following Potentially Contaminating Activities (PCAs) are associated with the Site:

- PCA #30 – Importation of Fill Material of Unknown Quality.
- PCA 'Other' – Elevated Soil Exceedances.
- PCA 'Other' – Elevated Groundwater Exceedances.

Based on the Phase One ESA (EXP, 2024) the following Areas of Potential Environmental Concern (APECs) are associated with the Site:

- APEC 1A: Berm and stockpiled materials and historical fill materials being encountered (PCA identifier 1A);
- APEC 1B: Salt Application (PCA identifier 1B);
- APEC 1C: Historical soil exceedances (PCA identifier 1C);
- APEC 1D: Historical groundwater exceedances (PCA identifier 1D);
- APEC 1E: Historical manufacturing operations (PCA identifier 1E);
- APEC 1F: Historical waste generation on-Site (PCA identifier 1F);
- APEC 1G: Historical fuel oil and hydraulic oil on-Site spills (PCA identifier 1G);
- APEC 2: Historical railway sidings on-Site (PCA identifier 3);
- APEC 3A to 3B: Historical fuel oil USTs (PCA identifier 4A to 4B);
- APEC 3C: Historical fuel oil UST (PCA identifier 4C);
- APEC 3D: Historical acid UST (PCA identifier 4D);
- APEC 3E: Historical production UST (PCA identifier 4E);
- APEC 4: Historical switch room/transformer (PCA identifier 5);
- APEC 5: Historical PCB storage and use (PCA identifier 6);
- APEC 6A: Historical service station (PCA identifier 7A);
- APEC 6B to 6D: Historical gasoline USTs (PCA identifier 7B to 7D);
- APEC 6E: Historical waste oil UST (PCA identifier 7E);
- APEC 6F: Historical on-Site orchards (PCA identifier 7F);
- APEC 7: Off-Site historical operations (manufacturing, service station) (PCA identifier 8A-B, 9, 12A-C, 13A-C & 33);
- APEC 8: Off-Site historical operations (manufacturing) (PCA identifier 10A-E & 21A-D); and,
- APEC 9: Off-Site historical operations (manufacturing, orchard, autobody) (PCA identifier 14A-C, 19, 20A-B, 29A-D, 32A-D & 34).

A list of PCAs in Appendix G (Table G-2). APECs are summarized in Table 1.

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4 Scope of the Investigation

4.1 Overview of Site Investigation

The objective of the Phase Two ESA was to assess the APECs identified in the Phase One ESA (EXP, 2024) to obtain soil and groundwater data to characterize the Site to support the filing of an RSC.

The scope of work for the Phase Two ESA was as follows:

- Request local utility locating companies (e.g. cable, telephone, gas, hydro, water, sewer and storm water) to mark any underground utilities present at the Site;
- Retain a private utility locating company to mark any underground utilities present in the vicinity of the borehole locations and to clear the individual borehole locations;
- Advance a total of thirty-six (36) boreholes across the Site and five (5) test pits within the soil berm;
- A total of forty-two (42) monitoring wells were installed across the Site to assess groundwater quality at the Site;
- Collect representative soil samples from the boreholes for laboratory analysis of one or more of the following: Petroleum Hydrocarbons (PHCs), Benzene, Toluene, Ethylbenzene and Xylenes (BTEX), Volatile Organic Compounds (VOCs), Metals, Hydride Forming Metals (HFMs), Boron (Hot Water Soluble) (HWS-B), Chromium VI (CrVI), Free Cyanide (CN-), Mercury (Hg), Methyl Mercury (MeHg), Polycyclic Aromatic Hydrocarbons (PAHs), Organochlorine Pesticides (OCPs), Polychlorinated Biphenyls (PCBs), and/or pH;
- Develop the forty-nine (49) existing, and forty-two (42) newly installed groundwater monitoring wells;
- Collect groundwater samples from forty-nine (49) existing, and forty-two (42) newly installed monitoring wells for laboratory chemical analysis of one or more of the following: PHCs, BTEX, VOCs, Metals, HFMs, Cr(VI), Hg, MeHg, PAHs, and PCBs;
- Complete an elevation survey of all newly installed (42) and existing (58) monitoring wells to determine the groundwater flow direction in the groundwater unit(s) identified beneath the Site; and,
- Analyze the data and prepare a report of the findings, in accordance with O.Reg.153/04.

4.2 Media Investigated

The Phase Two ESA included the investigation of the Site soil and/or groundwater. As there were no surface water bodies on the Site, sediment sampling was not required.

4.3 Phase One Conceptual Site Model

The Phase One Conceptual Site Model (CSM) is incorporated into the Phase Two CSM, presented in Appendix G.

4.4 Deviations from Sampling and Analysis Plan (SAP)

The field investigative and sampling program was carried out following the requirements of the Site Sampling and Analysis Plans (SAPs in Appendix A).

No significant deviations from the SAPs were reported that affected the sampling and data quality objectives.

4.5 Impediments

The entire Site was accessible at the time of the investigation, and no physical impediments were encountered during the field investigation.

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5 Investigation Method

5.1 General

The Site investigative activities consisted of the following:

- Borehole drilling to facilitate the collection of soil samples for geologic characterization and/or chemical analysis;
- Monitoring well installation for the collection of groundwater samples for chemical analysis; and,
- Test pits excavations to facilitate the collection of soil samples for geologic characterization and/or chemical analysis.

Boreholes were advanced in the surficial fill, overburden soils and bedrock by licensed drilling companies, under the full-time supervision of EXP staff. The drilling equipment used to advance the boreholes is described below. No petroleum-based greases or solvents were used during drilling activities.

Monitoring wells were installed in the boreholes by a MECP licensed well contractor in accordance with Regulation 903/90 (as amended) using manufactured well components (i.e. riser pipes and screens) and materials (i.e. sand pack and grout) from documented sources.

Test pits were excavated into the surficial fill, under the full-time supervision of EXP staff. The excavation equipment used to advance the test pits is described below. No petroleum-based greases or solvents were used during the test pit activities.

The approximate locations of the boreholes, test pits and monitoring wells are shown in Figure 5A.

5.2 Underground Utilities

Prior to the commencement of drilling/test pit activities, the locations of underground utilities including but not limited to cable, telephone, natural gas, electrical lines, water, sewer and storm water conduits were marked out by public locating companies. In addition, a private utility locating service was retained to clear individual borehole locations.

5.3 Borehole and Test Pit Programs

The fieldwork for the soil investigative portion of the Phase Two ESA was carried out between August 11, 2023, and August 12, 2024. The boreholes and test pits were advanced under full-time supervision of EXP staff. A summary of the boreholes and test pits is provided in Table 2A and 2B (respectively).

The borehole program included the following field events:

- On August 11 and 14, 2023, September 13, 2023, and July 16 through August 12, 2024, various licensed drilling companies were contracted by EXP to advance thirty-six (36) boreholes to a maximum depth of 13.1 m bgs. All boreholes and monitoring wells were installed using either a CME 75 track-mounted drill rig, Geoprobe 7822 track-mounted drill rig and Geoprobe 3230DT track-mounted drill rig (refer to Table 2A) equipped with a split spoon sampling system and hollow stem augers as follows:
  - Fifteen (15) boreholes were advanced using a CME 75 track-mounted drill rig.
  - Seven (7) boreholes were advanced using a Geoprobe 7822 track-mounted drill rig.
  - Fourteen (14) boreholes were advanced using a Geoprobe 3230DT track-mounted drill rig
- Forty-two (42) monitoring wells were installed either directly or as part of the soil investigation.

The test pit program included the following field event:

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- The test pit program was conducted on July 3, 2024, by Terra Nova Environmental Services Inc., were contracted to advance five (5) test pits (TP201 to TP205) using a track-mounted excavator to a maximum depth of 2 m bgs.

EXP continuously monitored the drilling and test pitting activities to record the physical characteristics of the soil, depth of soil sample collection and total depth of boreholes and test pits. Field observations are summarized on the borehole logs and test pit logs provided in Appendix C. Representative soil samples were recovered in the overburden of the boreholes at regular intervals using a direct-push sampler in boreholes and using an excavator in the test pits.

Efforts to prevent cross contamination during the soil sampling program included the use of dedicated nitrile gloves, sampling containers, hermetic sampling syringes etc. during sampling handling, washing the auger flights between sample locations, and washing the split spoon sampler between runs.

Drill cuttings were temporarily stored in sealed on-Site drums pending analytical results.

5.4 Soil: Sampling

The soil sampling conducted during the completion of this Phase Two ESA was undertaken in accordance with the SAP presented in Appendix A.

Soil samples for geologic characterization and chemical analysis were collected on a continuous basis in the overburden materials using sampling equipment advanced into the subsurface using a track mounted CME 75, Geoprobe 7822, and Geoprobe 3230DT drill rigs. Upon retrieval from the boreholes, the split spoons were placed on a flat surface and disassembled by drilling personnel to provide access to the recovered cores. Soil samples were also collected as grab samples using an excavator. Geologic and sampling details of the recovered cores were logged and assessed for the potential presence of non-aqueous phase liquids. Soil stratigraphy encountered in the boreholes were texturally, visually and olfactory classified in the field and in the laboratory. Soil samples were logged for colour, grain size, moisture content, density, structures, texture and/or staining. Field observations are summarized on the borehole logs and test pit logs provided in Appendix C.

Measures were taken in the field and during transport to preserve sample integrity prior to chemical analysis. Recommended volumes of soil samples selected for chemical analysis were collected from the recovered cores into pre-cleaned, laboratory-supplied glass sample jars/vials identified for the specified analytical test group.

All soil samples were placed in clean coolers containing ice prior to and during transportation to the subcontract laboratory, Bureau Veritas Laboratory (BV Labs) of Mississauga, Ontario, or AGAT Laboratories (AGAT), of Mississauga, Ontario. The samples were transported/submitted within the acceptable holding time to the appropriate laboratory following Chain of Custody protocols for chemical analysis.

Decontamination and other protocols were followed during sample collection and handling to minimize the potential for sample cross-contamination. New disposable nitrile gloves were used for the handling and sampling of each retrieved soil core. The sampling equipment was decontaminated between sampling intervals by the drilling contractor using a potable water/phosphate-free detergent solution followed by rinses with potable water and de-ionized water. Wash and rinse waters were collected in sealed, labeled containers. Drill cuttings were placed in labeled, sealed drums upon completion of sampling pending disposal.

Soil samples submitted for specific chemical analysis were selected on the basis of visual inspection of the recovered cores, sample location and/or depth interval. The rationale for soil sample submission is presented in Table 3.

Geologic details of the soil cores recovered from the boreholes advanced at the Site are provided in finalized boreholes logs and test pit logs presented in Appendix C.

Field duplicate soil samples were collected and analyzed for Quality Assurance/Quality Control (QA/QC) purposes. Refer Section 5.14 of this report for further details.

5.5 Soil: Field Screening Measurements

A portion of each soil sample was placed in a sealed plastic bag and allowed to reach ambient temperature prior to field screening using an RKI Eagle calibrated with hexane (H). The measurements were made by inserting the instrument's probe into the plastic bag while manipulating the sample to ensure volatilization of the soil gases. These readings provide a real-time indication of the relative concentration of vapours encountered in the subsurface during drilling and are used to aid in the assessment of the vertical and horizontal extent of contamination and the selection of soil samples for analysis; samples with the highest PID readings were selected for submission to BV Labs for chemical analysis of VOCs or PHCs. Prior to use in the field, the Eagle 2 was calibrated and checked on a daily basis in the LEL range using standard gases comprised of a known concentration of hexane in air. Additionally, an ambient air reading of zero ppm was observed confirming the PID's proper operation. Each sample was additionally examined for visual, textural and olfactory classification at the time of sampling. The field screening measurements, in parts per million (ppm) isobutylene equivalents, are presented on the borehole logs and test pit logs in Appendix C.

5.6 Groundwater: Monitoring Well Installation

The purpose of the monitoring well installation program was to characterize groundwater quality, determine hydraulic gradients and hydraulic conductivity. The monitoring wells were installed in general accordance with the Reg. 903, by various licensed drilling companies.

Forty-two (42) monitoring wells were installed during the field pgoram (refer to Table 4), to assess the groundwater quality at the Site. Monitoring wells were installed at depths between 2.43 and 13.1 m bgs.

All monitoring wells consisted of a 1.5 or 3 m length, 51 mm diameter number 10 slot size (0.25 mm) PVC well screens and Schedule 40 PVC riser pipe, with the exception of MW313 and MW322, which were 1.38 and 0.76 m, respectively, in length. All pipe connections were factory machined threaded flush couplings. The annular space around the wells was backfilled with silica sand to an average height of 0.6 m above the top of the screen. A bentonite seal was added from the top of the sand pack to approximately 0.3 m below ground surface. The monitoring wells were completed with both protective flush-mount well casings.

EXP continuously monitored the well installation activities. Well installation details are summarized in Table 4 and on the borehole logs provided in Appendix C.

When the monitoring wells are no longer required, they must be decommissioned in accordance with the procedure outlined in the Reg. 903.

Measures taken to minimize the potential for cross contamination or the introduction of contaminants during well construction included:

- The use of well pipe components (e.g. riser pipe and well screens) with factory machined threaded flush coupling joints;
- Construction of wells without the use of glues or adhesives;
- Removing the protective plastic wraps from well components at borehole insertion to prevent contact with the ground and other surfaces; and,
- Cleaning of augers between sampling locations.

5.7 Groundwater: Monitoring Well Development

Upon completion of the monitoring well installations, the new and existing monitoring wells were developed to remove fine sediment particles from the sand pack and enhance hydraulic communication with the surrounding formation waters.

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Monitoring wells were developed, using dedicated inertial tubing and foot valves to disturb the water column and recover groundwater containing dislodged sediment particles.

In addition, groundwater monitoring activities were also conducted on all of the monitoring wells which consisted of measuring the depth to groundwater in each monitoring well so that groundwater flow and direction below the Site could be assessed. Water levels were measured with respect to the top of the casing by means of an electronic water level meter. The water level measurements were recorded on water level log sheets or in a bound field notebook. The water level meter probe was decontaminated between monitoring well locations.

Equipment used during groundwater monitoring was thoroughly cleaned and decontaminated between wells. Well purging details were documented on a log sheet or in a bound hard cover notebook.

5.8 Groundwater: Field Measurements of Water Quality Parameters

Prior to collecting groundwater samples, field measurements of water quality parameters were recorded from all monitoring wells sampled utilizing low flow purging and sampling methodologies. Groundwater was purged from each location using a peristaltic pump and dedicated LDPE tubing.

Field measurements of dissolved oxygen concentration, electrical conductivity, oxidation-reduction potential, pH, temperature, turbidity and water levels were recorded at three (3) minute intervals during the purging activities using a pre-calibrated multi probe water quality meter, a turbidity meter and a water level meter. Groundwater was considered to be chemically stable when the pH measurements of three (3) successive readings agreed to within ± 1 pH units, the specific conductance within ± 10%, and the temperature within ± 10%. The multi-meter electrodes were calibrated prior to receipt of the meter by the supplier using in-house reference standards.

5.9 Groundwater: Sampling

Groundwater samples were collected from the newly installed and existing monitoring well between July 12, 2023, and August 23, 2024. The groundwater sampling included the following field events:

Date of Sampling Event	Monitoring Well Location
July 12, 2023	MW107, MW131, and MW142
July 13, 2023	MW1, MW104, MW110D, MW111, MW113, MW118, MW126, MW130, MW138, MW148S, MW148D, MW155, and MW203
September 13, 2023	MW203, MW204, MW314, MW315, MW316, MW317, and MW324
September 14, 2023	MW125, MW140, MW150S, MW150D, MW152, MW154, and MW201
October 19, 2023	MW125, MW140, MW150S, MW150D, MW152, MW153, MW154, MW201, and MW204
October 20, 2023	MW312, MW319, MW320, MW323, MW325, MW327, and MW328
October 23, 2023	MW313 and MW326
June 24, 2024	MW125, MW132D, MW150S, MW150D, MW152, MW153, MW155, and MW201
June 25, 2024	MW140 and MW154
June 26, 2024	MW126, MW131, MW132S, MW133, MW137, MW139, MW142, MW203, and MW205
July 4, 2024	MW2, MW108, MW140, and MW313
July 17, 2024	MW107, MW111, MW130, MW131, MW204, and MW312
August 6, 2024	MW1, MW110S, MW112, MW114, MW127, MW129, MW138, MW141, and MW146
August 8, 2024	MW2, MW101, MW108, MW116, MW122, MW123, MW137, MW139, MW143, MW145, MW151, and MW327

Date of Sampling Event	Monitoring Well Location
August 9, 2024	MW4 and MW120
August 12, 2024	MW304, MW305, MW306, MW307, MW308S, MW308I, MW308D, MW309, MW310, MW311, MW329, MW332D, MW335, and MW336
August 13, 2024	MW119A, MW133A, MW207A, MW301, MW302, MW320D, MW332S, MW333, MW334, MW337, MW338, MW339, and MW340
August 23, 2024	MW123, MW133A, MW151, MW305, and MW317

The groundwater sampling conducted during the completion of this Phase Two ESA was generally undertaken in accordance with the SAP presented in Appendix A.

Upon completion of purging activities, groundwater samples were collected from monitoring wells. Recommended groundwater sample volumes were collected into pre-cleaned laboratory-supplied vials or bottles provided with analytical test group specific preservatives, as required. The samples were placed in an insulated cooler pre-chilled with ice immediately upon collection. Samples for VOCs and PHCs including BTEX analysis were collected in triplicate vials prepared with concentrated sodium bisulphate as a preservative. Each VOC/PHC vial was inverted and inspected for gas bubbles prior to being placed in the cooler to ensure that no headspace was present in the samples.

All groundwater samples were placed in clean coolers containing ice prior to and during transportation to the subcontract laboratory, BV Labs or AGAT. The samples were transported/submitted following appropriate holding time requirements following Chain of Custody protocols for chemical analysis.

Decontamination and other protocols were followed during sample collection and handling to minimize the potential for sample cross-contamination. New disposable nitrile gloves were used at each monitoring well location.

Groundwater samples submitted for specific chemical analysis were selected on the basis of sample location and/or depth interval. The rationale for groundwater sample submission is presented in Table 5.

Appropriate QA/QC samples were collected during groundwater sampling, including field duplicate samples and trip blanks, where required, refer Section 5.14 of this report for further details.

5.10 Sediment: Sampling

As no water body was present at the Site, sediment sampling was not part of the Phase Two ESA.

5.11 Analytical Testing

The contractual laboratories selected to perform the chemical analyses was Bureau Veritas Laboratory (BV Labs), of Mississauga, Ontario, or AGAT Laboratories (AGAT), of Mississauga, Ontario. BV Labs, and AGAT are accredited laboratories under the Standards Council of Canada (SCC) / Canadian Association of Laboratory Accreditation (CALA) (SCC file number: 15025, and CALA No: 1003200, respectively) in accordance with ISO/IEC 17025:2017 – "General Requirements for the Competence of Testing and Calibration Laboratories".

5.12 Residue Management Procedures

The residue materials produced during the borehole drilling, soil sampling programs and monitoring well sampling programs comprised soil cuttings from drilling activities, decontamination fluids from equipment cleaning, and waters from well development and purging. Borehole cuttings were placed in labeled, sealed drums. All residue fluids were collected and left on-Site in labeled, sealed containers. All soil cuttings and decontamination fluids were stored in drums on-Site until the material was properly managed or disposed.

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5.13 Elevation Survey

An elevation survey was conducted during the Phase Two ESA investigative activities, with the purpose of obtaining relative vertical control of the monitoring well locations. The top of pipe and ground surface elevations of each monitoring well were surveyed.

The ground surface elevations were derived with the use of a Trimble TSC3 Controller survey equipment.

5.14 Quality Assurance and Quality Control Measures

Quality Control/Quality Assurance measures, as set out in the SAP, were implemented during sample collection, storage and transport to provide accurate data representative of conditions in the surficial fill and upper overburden soils and the water table aquifer. The QA/QC measures included decontamination procedures to minimize the potential for sample cross contamination, the execution of standard operating procedures to collect representative and unbiased samples, the collection of quality control samples to evaluate sample precision and accuracy, and the implementation of measures to preserve sample integrity.

Decontamination protocols were followed during sample collection and handling to minimize the potential for cross-contamination. During the collection of soil samples, split-spoon and dual tube samplers were scraped and decontaminated between sampling intervals by washing with a potable water/phosphate-free detergent solution followed by a rinse with potable water. New disposable nitrile gloves were used for the handling and collection of samples from each soil core and for sample collection from each borehole.

Soil samples selected for chemical analyses were collected from the retrieved soil cores and placed directly into pre-cleaned, laboratory-supplied glass jars or vials. Sample volumes were consistent with analytical test group requirements as specified by the receiving laboratory.

Groundwater samples were collected into pre-clean laboratory-supplied vials or bottles provided with analytical test group specific preservatives, as required. Recommended analytical test group specific sample volumes were collected as specified by the contractual laboratory. Sample vials for analysis of PHC F1 (BTEX) and VOCs were inspected for the presence of gas bubbles and the presence of head space, where volatiles may partition into.

Measures were followed to preserve sample integrity between collection and receipt by the contractual laboratory. All samples, both soil and groundwater, immediately upon collection were placed in insulated coolers pre-chilled with ice for storage and transport to the contractual laboratory. Samples were received by the contractual laboratory within specific analytical test group holding time requirements.

Documentation procedures were followed to confirm sample identification and tracked sample movement. Each sample was assigned a unique identification ID number, which was recorded along with the date, time of sampling and requested analyses on labels affixed to the sampling containers, and in a bound field notebook. Chain of Custody protocols were followed to track sample handling and movement until receipt by the contractual laboratory. Field QA/QC samples were collected during the soil and groundwater sampling. Duplicate samples were collected to evaluate sampling precision to evaluate the potential for sample cross-contamination during handling and transport.

Field QA/QC samples were collected during the soil, groundwater and sediment sampling. Duplicate samples were collected to evaluate sampling precision and trip blank were included to evaluate the potential for sample cross-contamination during handling and transport.

Field duplicate samples submitted for analysis are listed on Table D1 and Table D4 (soil and groundwater, respectively).

6 Review and Evaluation

6.1 Geology

The soil investigation conducted at the Site for the environmental assessment consisted of the advancement of thirty-six (36) boreholes and five (5) test pits into the surficial materials, the underlying native materials and bedrock to depths ranging from 0.46 to 13.1 m bgs. The borehole and test pit logs describing geologic details of the soils recovered during the Site drilling/test pit activities are presented in Appendix C1 and with details of the rock coring stratigraphy in Appendix C2. Boundaries of soil indicated on the log sheets are intended to reflect transition zones for the purpose of environmental assessment and should not be interpreted as exact planes of geological change.

The general stratigraphy encountered at the Site, as interpreted from the recovered soil samples consisted of surficial materials followed by fill materials, underlain by native deposits of sand and silty clay till to a maximum depth of 3.8 m bgs. Bedrock was encountered in the majority of the boreholes. The bedrock at the Site was confirmed via coring as Georgian Bay Formation shale.

A brief description of the soil stratigraphy at the Site, in order of depth, is summarized in the following sections. Refer to borehole logs and test pit logs are provided in Appendix C1 for details of soil stratigraphy and Appendix C2 for details of the rock coring stratigraphy. The interpreted Site geology is also shown on the enclosed cross sections figures.

6.1.1 Surface Material

Surficial materials, at the time of the start of the investigations, consisted of asphalt, concrete granular fill and/or topsoil, which were encountered at the investigation locations. Asphalt ranged in thickness from 25 to 100 mm. Concrete ranged in thicknesses of 75 and 140 mm. Granular fill was encountered at the ground surface or below the asphalt or concrete and ranged in thickness from 50 to 350 mm.

6.1.2 Fill Material

A layer of fill or reworked native soil was encountered below the surficial materials at all boreholes extended to depths ranging from 0.8 to 3.1 m bgs. The fill was variable and consisted of silty clay, silty sand, sand, or sand and gravel, and traces of deleterious materials (rootlets/organics or asphalt); the colours comprised brown, grey, dark grey, or black; the moisture condition ranged from damp to wet.

6.1.3 Native Material

Silty clay till was encountered at all boreholes below the fill and extended to the bedrock surface or borehole termination at depths ranging from 2.3 to 3.8 m bgs. The stratum contained traces of sand, gravel, and shale fragments; was brown to grey in colour; and in a damp to moist state.

6.1.4 Bedrock

Bedrock was encountered in the majority of the boreholes at depths ranging from 2.3 to 3.8 m. Bedrock was confirmed by coring seven (7) boreholes (MW332D, MW333, MW334, MW337, MW338, MW339 and BH403).

The bedrock at the Site was identified as weathered, weak, thinly laminated, very fine grained to fissile, slightly calcareous dark grey of the Georgian Bay Formation shale with limestone and siltstone interbeds.

6.2 Groundwater: Elevations and Flow Direction

The monitoring well network advanced as part of this Phase Two ESA consisted of forty-two (42) newly installed monitoring wells and fifty-eight (58) previously installed monitoring wells. Groundwater levels were measured between July 11, 2023, and September 10, 2024. The monitoring wells at the Site have been categorized by EXP based on screen depth as follows:

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- Overburden: screened entirely in the overburden materials consisting of fill or native. These wells are typically less than 2.5 m deep;
- Shallow bedrock: screened entirely in bedrock. These wells are between 2.5 to 7 m deep.
- Deep bedrock: screened entirely in bedrock. These wells are typically greater than 10 m deep.

The groundwater elevations ranged as follows:

- Overburden monitoring wells: between 0.66 and 2.94 m bgs or 99.39 and 103.96 meters above sea level (m asl) .
- Shallow bedrock monitoring wells: 1.26 and 4.07 m bgs or 98.70 and 103.62 m asl,
- Deep bedrock monitoring wells: between 4.43 and 11.22 m bgs and 93.24 and 101.33 m asl.

The groundwater levels and corresponding elevations are summarized in Table 6 and presented in the borehole logs and test pit logs provided in Appendix C.

Based on the groundwater contour map delineated for the Site, the groundwater was measured to flow in a south to southwest direction within the overburden and shallow bedrock monitoring wells. For the deep bedrock monitoring wells, it was measured in generally in a southern direction but was found to be moving both in a southwesterly and southeasterly direction. The groundwater contour plans are presented in Figures 6A, 6B, and 6C. EXP notes that the direction of localized groundwater flow is significantly influenced by disturbed soil (fill) and underground utilities within the Site. As such, the measured groundwater flow direction may not be representative of the regional area.

6.2.1 Groundwater: Hydraulic Conductivity

Based on a hydrogeological report (EXP, 2024), site specific hydraulic conductivity (K) testing was completed at the Site within the deep bedrock wells. The highest estimated K-value of the deep bedrock wells was 8.0×10^{-6} meters / second (m/s), with the arithmetic and geometric mean of the K-values calculated as 2.3×10^{-6} m/s and 9.0×10^{-7} m/s respectively.

6.2.2 Groundwater: Horizontal Hydraulic Gradients

The horizontal hydraulic gradient, between each monitoring well pair, is calculated using the following equation:

$i = \Delta h / \Delta s$

Where,

i = horizontal hydraulic gradient;

Δh (m) = groundwater elevation difference; and,

Δs (m) = separation distance.

The horizontal hydraulic gradients are as follows:

- Overburden Aquifer – ranged from 0.003 m/m (between MW103 and MW133), 0.010 m/m (between MW103 and MW155), and 0.003 m/m (between MW103 and MW126).
- Shallow Bedrock Aquifer – ranged from 0.0001 m/m (between MW132D and MW324), 0.009 m/m (between MW132D and MW150D), and 0.004 m/m (between MW132D and MW108).
- Deep Bedrock Aquifer – ranged from 0.011 m/m (between MW333 and MW339), 0.023 m/m (between MW333 and MW337), and 0.023 m/m (between MW333 and MW308D).

The summary of the horizontal hydraulic gradients is shown in Table 7A, 7B and 7C.

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6.3 Soil Texture

Based on the 75-micron sieve of representative soil conducted during a previous investigation (AECOM, 2014), the soil texture at the Site was determined to be fine textured soils.

6.4 Soil Field Screening

TOV readings from each sample interval were measured for soil sample selected for BTEX/PHC and VOC analysis from all advanced boreholes. Vapour concentrations readings collected during subsurface drilling were measured using the RKI Eagle 2 in ppm calibrated with isobutylene and hexane or equivalent. The vapour readings for hexane, in ppm, are provided on the borehole and test pit logs in Appendix C and ranged between 0 (multiple samples) and 36 ppm (MW119A).

Soil samples submitted for chemical analysis were selected on the basis of visual inspection of the recovered cores, TOV readings, sample location and/or depth interval. Hexane readings indicate that there are insignificant volatile particles in the soil vapours.

6.5 Soil Quality

In accordance with the scope of work, chemical analyses were performed on selected soil samples recovered from the boreholes. The selection of representative "worst case" soil samples was based on field screening, visual and/or olfactory evidence of impacts and the presence of potential water bearing zones.

The results of the analysis together with the applicable Table 2 SCS are presented in Table D1 in Appendix D. Copies of the laboratory Certificates of Analysis for the analyzed soil samples are provided in Appendix E1. The locations of the soil samples are shown on Figures 7A through 17.

6.5.1 Soil pH

The Table 2 SCS criteria are applicable if soil pH is in the range of 5 to 9 for surface soil (less than 1.5 m below soil surface) and 5 to 11 for subsurface soil (greater than 1.5 m below soil surface).

The majority of the pH samples were within the range, however the pH at fourteen (14) locations were above the SCS range.

The pH for surface soil samples ranged between 12.2 and 9.02, which is above the SCS range of 5 to 9. During this Phase Two ESA, EXP completed a pH averaging program at the Site following the MECP 2021 guidance.

At each of the locations, where pH was elevated, pH was present and following Section 48(2) and 48(4) of O.Reg. 153/04, soil results from locations within 2 m of the original sample location and same depth interval was completed.

The resulting pH ranged between 6.71 and 8.09 (BH211 and BH215, respectively), however, the the pH at BH117 and BH223 (11.28 and 11.30, respectively) remained above the SCS range of 5 to 9. Soil at BH117 and BH223 will be excavated during remedial activities prior to the submission of the RSC.

Refer to Table D2 for the results of the pH averaging program.

6.5.2 Petroleum Hydrocarbons (PHCs), Benzene, Toluene, Ethylbenzene and Xylenes (BTEX)

Twenty-six (26) soil samples, including three (3) field duplicate samples were analyzed for PHCs and/or BTEX. PHCs and/or BTEX were either not detected or detected below the applicable Table 2 SCS, with the exception of:

- PHC F2 in BH119A SS6.

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6.5.3 Volatile Organic Compounds (VOCs)

Twenty (20) soil samples, including two (2) field duplicate samples were analyzed for VOCs. VOCs were either not detected or detected below the applicable Table 2 SCS.

6.5.4 Polycyclic Aromatic Hydrocarbons (PAHs)

Seven (7) soil samples were analyzed for PAHs. PAHs were either not detected or detected below the applicable Table 2 SCS, with the exception of:

- Fluoranthene in TP204 SS2.

EXP completed an averaging program at the Site for Fluoranthene at TP204 SS2. Per Section 48(2) and 48(4) of O.Reg. 153/04, averaging of soil results from locations within 2 m of the original sample location and same depth interval is permitted. The resulting concentrations of Fluoranthene (refer to Table D3) are below the applicable Table 2 SCS.

6.5.5 Metals

Seven (7) soil samples were analyzed for Metals. Metals were either not detected or detected below the applicable Table 2 SCS, with the exception of:

- Copper in TP204 SS1 and TP205 SS1
- Molybdenum in TP204 SS2 and TP205 SS2.

6.5.6 Hydride-Forming Metals (HFMs)

Seven (7) soil samples were analyzed for HFMs. HFMs were either not detected or detected below the applicable Table 2 SCS.

6.5.7 Other Regulated Parameters (ORPs)

6.5.7.1 Methyl Mercury (MeHg)

Ten (10) soil samples were analyzed for MeHg. MeHg were either not detected or detected below the applicable Table 2 SCS.

6.5.8 Organochlorine Pesticides (OCPs)

Four (4) soil samples were analyzed for OCPs. OCPs were either not detected or detected below the applicable Table 2 SCS.

6.5.9 Chemical Transformation and Soil Contaminant Sources

The contaminants of concern (COCs) in soil at the Site are:

- PHCs: PHC F2;
- Metals: Copper and Molybdenum; and,
- PAHs: Fluoranthene.

The exceedances in soil are likely associated with poor quality fill material and the historical operations that occurred on-Site.

6.5.10 Evidence of Non-Aqueous Phase Liquid

Inspection of the soil cores retrieved from the boreholes did not indicate the presence of non-aqueous phase liquid (NAPL), staining or sheen, with the exception of BH119A where the soil cores indicated the presence of non-aqueous phase liquid (NAPL).

6.6 Groundwater Quality

In accordance with the scope of work, chemical analyses were performed on groundwater samples recovered from the monitoring wells. The selection of groundwater samples was based on location and/or screen depth.

The results of the analysis together with the applicable Table 2 SCS are presented in Table D4 in Appendix D. Copies of the laboratory Certificates of Analysis for the analyzed groundwater samples are provided in Appendix E2. The locations of the groundwater samples are shown in Figures 18 through 25.

6.6.1 Petroleum Hydrocarbons (PHCs), Benzene, Toluene, Ethylbenzene and Xylenes (BTEX)

One hundred and twenty-five (125) groundwater samples, including twelve (12) field duplicate samples and nine (9) QA/QC trip blank were analyzed for PHCs and/or BTEX. PHCs and/or BTEX were either not detected or detected below the applicable Table 2 SCS, with the exception of:

- PHC F2 in MW126 and MW207A;
- PHC F3 in MW207A; and,
- Benzene in MW140.

At MW154, two (2) additional sampling events were completed in October 2023 and June 2024 for Benzene. The samples met the Table 2 SCS. The elevated concentrations in the original sample (September 2023) were attributed to the presence of sediment. At the discretion of the QP^{ESA}, the original sampling event was deemed to not be representative of the groundwater conditions at the Site. Therefore, the initial exceedance in MW154 is deemed to meet the applicable Table 2 SCS.

6.6.2 Volatile Organic Compounds (VOCs)

One hundred and eighteen (118) groundwater samples, including eleven (11) field duplicate samples and nine (9) QA/QC trip blank samples were analyzed for VOCs. VOCs were either not detected or detected below the applicable Table 2 SCS, with the exception of:

Parameter	Sample ID
Cis-1,2-Dichloroethylene	MW104, MW107, MW110D, MW111, MW131, MW142, MW150S, MW150D, MW308S, MW312, MW314, MW324, MW325,
Trans-1,2-Dichloroethylene	MW312
Trichloroethylene	MW107, MW111, MW118, MW129, MW130, MW142, MW308S, MW312, MW315
Vinyl Chloride	MW104, MW107, MW110D, MW111, MW112, MW131, MW142, MW148D, MW150S, MW150D, MW306, MW308S, MW309, MW311, MW312, MW314, MW316, MW317, MW319, MW320, MW324, MW325, MW327, MW329

At MW125, six (6) sampling events have occurred between two (2) consultants (EXP and Arcadis). The identified VOCs have been found to exceed the Table 2 SCS during one (1) event in September 2023. The remaining two (2) events met the Table 2 SCS. At the discretion of the QP^{ESA}, the single elevated sampling event was deemed to not be representative of the groundwater conditions at the Site. Therefore, the exceedance in MW125 is deemed to meet the applicable Table 2 SCS.

6.6.3 Polycyclic Aromatic Hydrocarbons (PAHs)

Sixteen (16) groundwater samples, including one (1) field duplicate sample were analyzed for PAHs. PAHs were either not detected or detected below the applicable Table 2 SCS, with the exception of:

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- 1&2-Methylnaphthalene in MW126 and MW207A;
- Acenaphthene in MW126;
- Chrysene in MW129 and MW207A; and,
- Phenanthrene in MW126 and MW207A.

6.6.4 Metals

Fifty-nine (59) groundwater samples, including eight (8) field duplicate samples were analyzed for Metals. Metals were either not detected or detected below the applicable Table 2 SCS, with the exception of:

- Cobalt in MW126, MW131, MW153 and MW154.

6.6.5 Hydride-Forming Metals (HFMs)

Fifty-nine (59) groundwater samples, including eight (8) field duplicate samples were analyzed for HFMs. HFMs were either not detected or detected below the applicable Table 2 SCS, with the exception of:

- Selenium in MW201 and MW203.

At MW203, two (2) additional sampling events were completed in September 2023 and June 2024 for Selenium. The samples met the Table 2 SCS. The elevated concentrations in the original sample (July 2023) were attributed to the presence of sediment in the original sample. At the discretion of the QP^{ESA}, the original sampling event was deemed to not be representative of the groundwater conditions at the Site. Therefore, the initial exceedance in MW203 is deemed to meet the applicable Table 2 SCS.

6.6.6 Other Regulated Parameters (ORPs)

6.6.6.1 Mercury (Hg), and Hexavalent Chromium (CrVI)

Seven (7) groundwater samples were analyzed for Hg, and two (2) groundwater samples were analyzed for CrVI. Hg and CrVI were either not detected or detected below the applicable Table 2 SCS.

6.6.6.2 Methyl Mercury (MeHg)

Four (4) groundwater samples were analyzed for MeHg. MeHg were either not detected or detected below the applicable Table 2 SCS.

6.6.7 Polychlorinated Biphenyls (PCBs)

Four (4) groundwater samples were analyzed for PCBs. PCBs were either not detected or detected below the applicable Table 2 SCS.

6.6.8 Chemical Transformation and Contaminant Sources

The contaminants of concern (COCs) in groundwater at the Site are:

- PHCs: PHC F2, and PHC F3;
- BTEX: Benzene;
- VOCs: Cis-1,2-Dichloroethylene, Trans-1,2-Dichloroethylene, Trichloroethylene, and Vinyl Chloride;
- Metals: Cobalt;
- HFMs: Selenium; and,
- PAHs: Acenaphthene, Chrysene, Phenanthrene, and 1&2-Methylnaphthalene.

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The exceedances in groundwater are likely associated with the historical operations that occurred on-Site.

6.6.9 Evidence of Non-Aqueous Phase Liquid (NAPL)

Evidence of non-measurable non-aqueous phase liquids (NAPL) was observed in the purge water and on the oil-water interface meter during groundwater monitoring, purging and sampling activities at two (2) locations (MW119A and MW207A); in addition, a sheen and strong PHC odour were noted at these locations.

6.7 Sediment Quality

As no surface water body was located on-Site, the Phase Two ESA did not include sediment sampling.

6.8 Quality Assurance and Quality Control Measures

Quality assurance and quality control measures were taken during the field activities to meet the objectives of the sampling and quality assurance plan to collect unbiased and representative samples to characterize existing conditions in the overburden and bedrock materials, and water table units at the Site.

Review of field activity documentation indicated that recommended sample volumes were collected from soil and groundwater for each analytical test group into appropriate containers and preserved with proper chemical reagents in accordance with the protocols set out in the "Protocol for Analytical Methods used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act" (MECP, 2004). Samples were preserved at the required temperatures in pre-chilled insulated coolers and met applicable holding time requirements, when relinquished to the receiving laboratory.

Three (3) soil samples were collected and submitted for QA/QC purposes (refer to Table 3 for Sample IDs), as follows:

- One (1) duplicate was submitted for PHCs;
- Three (3) duplicates were submitted for BTEX; and,
- Two (2) duplicates were submitted for VOCs.

Seventeen (17) groundwater samples were collected and submitted for QA/QC purposes (refer to Table 5 for Sample IDs), as follows:

- One (1) duplicate was submitted for PHCs;
- Twelve (12) duplicates were submitted for BTEX;
- Eleven (11) duplicates were submitted for VOCs;
- One (1) duplicate was submitted for PAHs;
- Eight (8) duplicates were submitted for Metals;
- Eight (8) duplicates were submitted for HFMs; and,
- Nine (9) trip blanks were submitted for BTEX and VOCs.

The field duplicate sample results were quantitatively evaluated by calculating the relative percent difference (RPD). Assessment of the duplicate groundwater sample showed that the results generally met analytical test group specific acceptance criteria. The overall assessment indicates that the soil and groundwater samples were collected with an acceptable level of precision, and the data is acceptable quality for meeting the objectives of the Phase Two ESA.

The laboratory Reporting Detection Limits (RDLs) were below the Table 2 SCS.

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The contractual laboratories selected to perform the chemical analyses was Bureau Veritas Laboratory (BV Labs), of Mississauga, Ontario, or AGAT Laboratories (AGAT), of Mississauga, Ontario. BV Labs, and AGAT are accredited laboratories under the Standards Council of Canada (SCC)/Canadian Association of Laboratory Accreditation (CALA) (SCC file number: 15025, and CALA No: 1003200, respectively) in accordance with ISO/IEC 17025:2017 – "General Requirements for the Competence of Testing and Calibration Laboratories". Certificates of Analysis were received from BV Labs and AGAT, reporting the results of all the chemical analyses performed on the submitted soil and groundwater samples. Copies of the Certificates of Analysis are provided in Appendix E. Review of the Certificates of Analysis, prepared by BV Labs and AGAT, indicates that they were in compliance with the requirements set out under subsection 47(3) of O. Reg. 153/04.

The analytical program conducted by BV Labs, and AGAT included analytical test group specific QA/QC measures to evaluate the accuracy and precision of the analytical results and the efficiency of analyte recovery during solute extraction procedures. The laboratory QA/QC program consisted of the preparation and analysis of laboratory duplicate samples to assess precision and sample homogeneity, method blanks to assess analytical bias, spiked blanks and QC standards to evaluate analyte recovery, matrix spikes to evaluate matrix interferences and surrogate compound recoveries (VOCs only) to evaluate extraction efficiency. The laboratory QA/QC results are presented in the Quality Assurance Report provided in the Certificate of Analysis prepared by BV Labs, and AGAT. The QA/QC results are reported as percent recoveries for matrix spikes, spike blanks and QC standards, relative percent difference for laboratory duplicates and analyte concentrations for method blanks. The QA/QC results were assessed against test group control limits in the case of spiked blanks, matrix spikes and surrogate recoveries and alert criteria in the case of method blanks and laboratory duplicates. Review of the laboratory QA/QC results reported by BV Labs, and AGAT indicated that they were within acceptable control limits or below applicable alert criteria for the sampled media and analytical test groups. Based on the assessment of the QA/QC, the analytical results reported are of acceptable quality and data qualifications are not required.

6.9 Phase Two Conceptual Site Model

This section presents a Phase Two Conceptual Site Model (CSM) providing a narrative, graphical and tabulated description integrating information related to the Site geologic and hydrogeologic conditions, areas of potential environmental concern/potential contaminating activities, the presence and distribution of potential contaminants of concern, contaminant fate and transport, and potential exposure pathways. The Phase Two CSM was completed in accordance with O. Reg.153/04 as defined by the MECP and is presented in Appendix G.

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7 Conclusions

The results and findings of the Phase Two ESA conducted at the Site are summarized as follows:

7.1 Site Characterization

- Thirty-six (36) boreholes were advanced by various licensed drilling companies between August 11, 2023, and August 12, 2024, to a maximum depth of 13.1 metres below ground surface (m bgs).
- Five (5) test pits were advanced by Terra Nova Environmental Services Inc. on July 3, 2024, to a maximum depth of 2 m bgs.
- The general stratigraphy encountered at the Site, as interpreted from the recovered soil samples, consisted of surficial materials followed by fill materials, underlain by native deposits of sand and silty clay till to a maximum depth of 3.8 meters below ground surface (m bgs). Bedrock was encountered in the majority of the boreholes. The bedrock at the Site was confirmed via coring as Georgian Bay Formation shale.
- Forty-two (42) monitoring wells were installed between August 11, 2023, and August 12, 2024, to order to assess the groundwater quality at the Site. Monitoring wells were installed at depths between 2.43 to 13.1 m bgs.
- Groundwater levels were measured between July 11, 2023, and September 10, 2024. Groundwater elevations ranged between 0.66 and 2.94 m bgs or 99.39 and 103.96 meters above sea level (m asl) for the overburden monitoring wells. For the shallow bedrock monitoring wells, the groundwater elevations ranged between 1.26 and 4.07 m bgs or 98.70 and 103.62 m asl, and for the deep bedrock monitoring wells, the groundwater elevations ranged between 4.43 and 11.22 m bgs and 93.24 and 101.33 m asl.
- Based on the groundwater contour map delineated for the Site, the groundwater was measured to flow in a south to southwest direction within the overburden and shallow bedrock monitoring wells. For the deep bedrock monitoring wells, it was measured in generally in a southern direction but was found to be moving both in a southwesterly and southeasterly direction. The groundwater contour plans are presented in Figures 6A, 6B, and 6C. EXP notes that the direction of localized groundwater flow is significantly influenced by disturbed soil (fill) and underground utilities within the Site. As such, the measured groundwater flow direction may not be representative of the regional area.
- The horizontal hydraulic gradients are as follows:
    - Overburden Aquifer – ranged from 0.003 m/m (between MW103 and MW133), 0.010 m/m (between MW103 and MW155), and 0.003 m/m (between MW103 and MW126).
    - Shallow Bedrock Aquifer – ranged from 0.0001 m/m (between MW132D and MW324), 0.009 m/m (between MW132D and MW150D), and 0.004 m/m (between MW132D and MW108).
    - Deep Bedrock Aquifer – ranged from 0.011 m/m (between MW333 and MW339), 0.023 m/m (between MW333 and MW337), and 0.023 m/m (between MW333 and MW308D).

7.2 Whether Environmental Conditions were Met

For assessment purposes, EXP selected the Table 2: Full Depth Generic Site Condition Standards (SCS) in a Potable Ground Water Condition for Residential/Parkland/Institutional (RPI) Property Use and medium/fine textured soil (Table 2 SCS).

Based on the analytical results, the following summary is presented:

- The Table 2 SCS criteria are applicable if soil pH is in the range of 5 to 9 for surface soil (less than 1.5 m below soil surface) and 5 to 11 for subsurface soil (greater than 1.5 m below soil surface).
    - The majority of the pH samples were within the range.

  - Elevated pH for two (2) surface soil samples were reported as 11.28 and 11.30 (from BH117 and BH223, respectively), which is above the SCS range of 5 to 9.
  - EXP completed a pH averaging program at the Site. The averaging program was completed in 2024, following the MECP 2021 guidance. The resulting pH ranged between 6.71 and 8.09 (BH211 and BH215, respectively), with the exception of the pH at BH117 and BH223 (11.28 and 11.30, respectively) which remained above the SCS range of 5 to 9. Soil at BH117 and BH223 will be excavated during remedial activities prior to the submission of the RSC.

- Soil samples were submitted for the analysis of one or more of the following: Petroleum Hydrocarbons (PHCs), Benzene, Toluene, Ethylbenzene and Xylenes (BTEX), Volatile Organic Compounds (VOCs), Metals, Hydride Forming Metals (HFMs), Boron (Hot Water Soluble) (HWS-B), Chromium VI (CrVI), Free Cyanide (CN-), Mercury (Hg), Methyl Mercury (MeHg), Polycyclic Aromatic Hydrocarbons (PAHs), Organochlorine Pesticides (OCPs), Polychlorinated Biphenyls (PCBs), and/or pH.
  - Concentrations of various PHCs, Metals, and PAHs, in soil samples were identified above the Table 2 SCS. Details of soil exceedances are shown in Figures 7 to 17.
- Groundwater samples were submitted for the analysis of on or more of the following: PHCs, BTEX, VOCs, Metals, HFMs, Cr(VI), Hg, MeHg, PAHs, and PCBs.
  - Concentrations of various PHCs, BTEX, VOCs, Metals, HFMs, and PAHs, in soil samples were identified above the Table 2 SCS. Details of groundwater exceedances are shown in Figures 18 to 25.
- Inspection of the soil cores retrieved from the boreholes did not indicate the presence of non-aqueous phase liquid (NAPL), staining or sheen, with the exception of BH119A. At this location, the soil cores indicated the presence of NAPL. In addition, evidence of non-measurable NAPL was observed in the purge water and on the oil-water interface meter during groundwater monitoring, purging and sampling activities at two (2) locations (MW119A and MW207A). Further, a sheen and strong PHC odour were noted at these locations.

Based on the findings of the Phase Two ESA, further environmental work (i.e., remediation and risk assessment etc.) is required prior to filing a RSC.

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8 General Limitations

The information presented in this report is based on a limited investigation designed to provide information to support an assessment of the current environmental conditions within the subject property. The conclusions and recommendations presented in this report reflect Site conditions existing at the time of the investigation.

More specific information with respect to the conditions between samples, or the lateral and vertical extent of materials may become apparent during excavation operations. The interpretation of the borehole information must, therefore, be validated during any such excavation operations. Consequently, during the future development of the property, conditions not observed during this investigation may become apparent. Should this occur, EXP Services Inc. should be contacted to assess the situation, and the need for additional testing and reporting. EXP has qualified personnel to provide assistance in regard to any future geotechnical and environmental issues related to this property.

The environmental investigation was carried out to address the intent of applicable provincial Regulations, Guidelines, Policies, Standards, Protocols and Objectives administered by the Ministry of the Environment. It should also be noted that current environmental Regulations, Guidelines, Policies, Standards, Protocols and Objectives are subject to change, and such changes, when put into effect, could alter the conclusions and recommendations noted throughout this report. Achieving the study objectives stated in this report has required us to arrive at conclusions based upon the best information presently known to us. No investigative method can completely eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce the possibility to an acceptable level. Professional judgment was exercised in gathering and analyzing information obtained and in the formulation of the conclusions. Like all professional persons rendering advice, we do not act as absolute insurers of the conclusions we reach, but we commit ourselves to care and competence in reaching those conclusions.

Our undertaking at EXP, therefore, is to perform our work within limits prescribed by our clients, with the usual thoroughness and competence of the engineering profession. It is intended that the outcome of this investigation assist in reducing the client's risk associated with environmental impairment. Our work should not be considered 'risk mitigation'. No other warranty or representation, either expressed or implied, is included or intended in this report.

This report was prepared for the exclusive use of **420 South Service Limited Partnership/South Service Holding Corp.** and may not be reproduced in whole or in part, without the prior written consent of EXP, or used or relied upon in whole or in part by other parties for any purposes whatsoever. Any use which a third party makes of this report, or any part thereof, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. EXP Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

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9 Closure

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

Yours truly,

EXP Services Inc.

Nicole McQuoid, B.Sc., EPt
Environmental Technician
Environmental Services

Jennifer Hayman, P.Geo., QP^{ESA}
Discipline Lead, Excess Soils
Environmental Services

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10 References

This study was conducted in general accordance with the applicable Regulations, Guidelines, Policies, Standards, Protocols and Objectives administered by the Ministry of the Environment. Specific reference is made to the following:

1. Canadian Standards Association [CSA] (2000) Z769-00, Phase II Environmental Site Assessment. Canadian Standards Association, March 2000.
2. Environmental Protection Act, R.S.O. 1990, Chapter E.19, as amended, September 2004.
3. First Base Solutions [FBS] (2011) VuMap. First Base Solutions. Available online at: http://vumap.firstbasesolutions.com/index.php.
4. Ministry of the Environment and Climate Change [MECP] (1996) Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario. Ontario Ministry of the Environment, December 1996.
5. MECP (2011a) Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. Ontario Ministry of the Environment, March 2004, amended as of July 1, 2011.
6. MECP (2011) Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act. Ontario Ministry of the Environment, April 15, 20101.
7. Ontario Regulation 153/04, made under the Environmental Protection Act, May 2004, amended.
8. Ontario Water Resources Act – R.R.O. 1990, Regulation 903, amended.
9. MECP (2021) Environmentally Sensitive Areas: pH levels. Ontario Ministry of the Environment, September 2021.

Previous Environmental Investigation Reports include:

10. "General Electric Consumer & Industrial – Phase I Environmental Site Assessment, 468 South Service Road East, Oakville, Ontario", dated July 2007, prepared for GE Consumer & Industrial, prepared by AMEC Earth & Environmental Inc. (AMEC).
11. "Demolition Project Summary Report – GE Oakville Lamp Plant, 420 & 468 South Service Road East, Oakville, Ontario", dated March 19, 2012, prepared for General Electric Inc., prepared by Pinchin Environmental (Pinchin).
12. "Underground Storage Tank Removal Report – Former General Electric Canada Lighting Facility, 420 South Service Road East, Oakville, Ontario", dated November 2013, prepared for GE Canada, prepared by AECOM.
13. "Draft Phase One Environmental Site Assessment, 420 and 468 South Service Road East, Oakville, Ontario", dated February 2014, prepared for GE Canada, prepared by AECOM.
14. "Draft Phase II Environmental Site Assessment – Former Oakville Lamp Manufacturing Plant, 420 and 468 South Service Road East, Oakville, Ontario", dated January 2014, prepared for GE Canada, prepared by AECOM.
15. "Soil & Groundwater Investigation, 420 and 468 South Service Road East, Oakville, Ontario", dated January 2015, prepared for First Gulf Real Estate Corporation, prepared by Pinchin.
16. *"Soil Stockpile Characterization, 420 South Service Road East, Oakville, Ontario",* dated March 26, 2021, prepared for General Electric Company, prepared by Arcadis Canada Inc. (Arcadis).
17. *"Remedial Injection Completion, 420 South Service Road East, Oakville, Ontario",* dated February 15, 2023, prepared for General Electric Company, prepared by Arcadis.
18. *"Soil and Groundwater Sampling and Chemical Testing Program - 420 and 468 South Service Road East, Oakville, ON",* dated October 27, 2023 (Rev. November 20, 2023), prepared for Rose Acquisition Corporation, prepared by EXP Services Inc. (EXP).
19. "*Phase I Environmental Site Assessment – 420 and 468 South Service Road East, Oakville, ON.*", dated February 16, 2024, prepared for Rose Acquisition Corporation, prepared by EXP.
20. "*Draft Phase One Environmental Site Assessment – 420 and 468 South Service Road East, Oakville, ON.*", dated September 30, 2024, prepared for 420 South Service Limited Partnership/South Service Holding Corp., prepared by EXP.
21. "*Hydrogeological Investigation – 420 and 468 South Service Road East, Oakville, ON.*", dated October 2, 2024, prepared for 420 South Service Limited Partnership, prepared by EXP.

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Tables

TABLE 1 - Areas of Potential Environmental Concern (APECs)

Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Area of Potential Environmental Concern (APEC)[1]	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)[2]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Groundwater, soil and/or sediment)
APEC 1A: Berm, stockpiled materials and historical fill materials being encountered. (PCA identifier 1A)	Entire Site	PCA #30 – Importation of Fill Material of Unknown Quality.	On-Site	Metals, Hydride-Forming Metals (HFMs), Boron (Hot Water Soluble) (HWS-B), Chromium VI (CrVI), Free Cyanide (CN-), Mercury (Hg), Petroleum Hydrocarbons (PHCs), Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), and Polycyclic Aromatic Hydrocarbons (PAHs)	Soil
APEC 1B: Salt Application. (PCA identifier 1B)		PCA 'Other' - Salt Application.		Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR)	Soil
APEC 1C: Historical soil exceedances. (PCA identifier 1C)		PCA 'Other' – Elevated Soil Exceedances.		PHCs, BTEX, Volatile Organic Compounds (VOCs), PAHs, Metals, HFMs, HWS-B, CrVI, CN-, Hg, pH, Methyl Mercury (MeHg)	Soil
APEC 1D: Historical groundwater exceedances. (PCA identifier 1D)		PCA 'Other' – Elevated Groundwater Exceedances.		PHCs, BTEX, VOCs, PAHs, Metals, HFMs	Groundwater
APEC 1E: Historical manufacturing operations. (PCA identifier 1E)		PCA 'Other' – Lamp/Light Manufacturing.		PHCs, BTEX, VOCs, PAHs, Metals, HFMs, HWS-B, CrVI, CN-, Hg, pH	Soil
				PHCs, BTEX, VOCs, PAHs, Metals, HFMs, CrVI, Hg	Groundwater
APEC 1F: Historical waste generation on-Site. (PCA identifier 1F)		PCA 'Other' – Registered Generator of Hazardous Wastes.		PHCs, BTEX, VOCs, Polychlorinated Biphenyls (PCBs)	Soil and Groundwater
APEC 1G: Historical fuel oil and hydraulic oil on-Site spills. (PCA identifier 1G)		PCA 'Other' – Spill of Petroleum or Associated Products.		PHCs, BTEX	Soil
APEC 2: Historical railway sidings on-Site. (PCA identifier 3)	South-central portion of the Site	PCA#46 – Rail Yards, Tracks and Spurs.	On-Site	PHCs, BTEX, Metals, HFMs, HWS-B, CrVI, CN-, Hg, PAHs	Soil
APEC 3A to 3B: Historical fuel oil USTs. (PCA identifier 4A to 4B)	North-central portion of the Site	PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks.	On-Site	PHCs, BTEX, Metals, HFM	Soil and Groundwater
APEC 3C: Historical fuel oil UST. (PCA identifier 4C)					
APEC 3D: Historical acid UST. (PCA identifier 4D)		PCA 'Other' – Acid Storage Tank.		Metals, HFM, pH	
APEC 3E: Historical production UST. (PCA identifier 4E)		PCA 'Other' – Production Underground Storage Tank.		PHCs, VOCs, Metals, HFM	
APEC 4: Historical switch room/transformer. (PCA identifier 5)	West-central portion of the Site	PCA#55 – Transformer Manufacturing, Processing and Use.	On-Site	PCBs, BTEX, PHCs	Soil and Groundwater
APEC 5: Historical PCB storage and use. (PCA identifier 6)	South-central portion of the Site	PCA 'Other' – PCB Storage.	On-Site	PCBs	Soil
APEC 6A: Historical service station. (PCA identifier 7A)	Northeast portion of the Site	PCA#52 – Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems.	On-Site	PHCs, BTEX, Metals, HFMs	Soil and Groundwater
APEC 6B to 6D: Historical gasoline USTs. (PCA identifier 7B to 7D)		PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks.		PHCs, BTEX, Metals, HFMs	
APEC 6E: Historical waste oil UST. (PCA identifier 7E)				PHCs, BTEX, Metals, HFMs	
APEC 6F: Historical on-Site orchards. (PCA identifier 7F)	East-central portion of the Site	PCA#40 – Pesticides (including herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications.	On-Site	Organochlorine Pesticides (OCPs)	Soil

TABLE 1 - Areas of Potential Environmental Concern (APECs)

Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
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Area of Potential Environmental Concern (APEC)[1]	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)[2]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Groundwater, soil and/or sediment)
APEC 7: Off-Site historical operations (manufacturing, service station). (PCA identifier 8A-B, 9, 12A-C, 13A-C & 33)	West portion of the Site	PCA#19 – Electronic and Computer Equipment Manufacturing. PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks. PCA#39 – Paints Manufacturing, Processing and Bulk Storage. PCA#43 – Plastics (including Fibreglass) Manufacturing and Processing. PCA#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners. PCA 'Other' – Registered Generator of Hazardous Wastes. PCA 'Other' – Contaminated Site. PCA 'Other' – Spill of Hazardous Liquids.	Off-Site	PHCs, BTEX, VOCs, Metals, HFMs	Groundwater
APEC 8: Off-Site historical operations (manufacturing). (PCA identifier 10A-E & 21A-D)	East portion of the Site	PCA #33 – Metal Treatment, Coating, Plating and Finishing. PCA#34 – Metal Fabrication. PCA#43 – Plastics (including Fibreglass) Manufacturing and Processing. PCA#54 – Textile Manufacturing and Processing. PCA#57 – Vehicles and Associated Parts Manufacturing. PCA 'Other' – Registered Generator of Hazardous Wastes.	Off-Site	PHCs, BTEX, VOCs, Metals, HFMs	Groundwater
APEC 9: Off-Site historical operations (manufacturing, orchard, autobody). (PCA identifier 14A-C, 19, 20A-B, 29A-D, 32A-D & 34)	North portion of the Site	PCA#10 – Commercial Autobody Shops. PCA#31 – Ink Manufacturing, Processing and Bulk Storage. PCA #33 – Metal Treatment, Coating, Plating and Finishing. PCA#34 – Metal Fabrication. PCA#40 – Pesticides (including herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications. PCA#42 – Pharmaceutical Manufacturing and Processing. PCA#57 – Vehicles and Associated Parts Manufacturing. PCA 'Other' – Registered Generator of Hazardous Wastes. PCA 'Other' – Spill of Petroleum or Associated Products. PCA 'Other' – Other Manufacturing Operations.	Off-Site	PHCs, BTEX, VOCs, Metals, HFMs, OCPs	Groundwater

Notes:

1. Area of Potential Environmental Concern means the area on, in or under a phase one study area where one or more contaminants are potentially present, as determined through the P One ESA, including through,

(a) identification of post or present uses on, in or under the phase one property, and

(b) identification of potentially contaminating activities.

2. Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area

3. When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the "Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below:

ABNs	PCBs	PCBs	Metals	Electrical Conductivity	SAR
CPs	PAHs	PAHs	As, Sb, Se	Cr (VI)	
1,4- Dioxane	THMs	THMs	Na	Hg	
Dioxins/Furans, PCDDs/PCDFs	VOCs	VOCs	B-HWS	Methyl Mercury	
Ocs	BTEX	BTEX	Cl-	high pH	
PHCs	Ca, Mg	Ca, Mg	CN-	low pH	

4. When submitting a record of site condition for filing, a copy of this table must be attached

TABLE 2A - Borehole Log Information

Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID	Ground Elevation (masl)	Depth of BH (m bgs)	Bottom Elevation (masl)	Date Drilled	Drilling Equipment
BH104A	105.59	1.37	104.22	9-Aug-24	Geoprobe 3230DT
BH108A	103.67	1.98	101.69	2-Aug-24	Geoprobe 7822
BH114N	101.8	1.52	100.28	2-Aug-24	Geoprobe 7822
BH114E	101.8	1.52	100.28	2-Aug-24	Geoprobe 7822
BH114S	101.8	1.52	100.28	2-Aug-24	Geoprobe 7822
BH117A	103.76	0.61	103.15	12-Aug-24	Geoprobe 3230DT
BH119A	105.71	7.01	98.70	12-Aug-24	Geoprobe 3230DT
BH120A	105.79	0.46	105.33	9-Aug-24	Geoprobe 3230DT
BH133A	106.15	7.01	99.14	12-Aug-24	Geoprobe 3230DT
BH142A	104.06	1.98	102.08	2-Aug-24	Geoprobe 7822
BH203A	105.76	1.52	104.24	9-Aug-24	Geoprobe 3230DT
BH204A	105.7	0.61	105.09	9-Aug-24	Geoprobe 3230DT
BH212A	105.81	0.46	105.35	9-Aug-24	Geoprobe 3230DT
BH214A	105.75	0.61	105.14	9-Aug-24	Geoprobe 3230DT
BH222A	104.21	0.61	103.60	9-Aug-24	Geoprobe 3230DT
BH301	104.86	2.89	101.97	8-Aug-24	Geoprobe 3230DT
BH312	103.99	2.90	101.09	14-Aug-23	CME-75 Track Mount
BH313	105.37	3.70	101.67	14-Aug-23	CME-75 Track Mount
BH314	105.85	6.70	99.15	11-Aug-23	CME-75 Track Mount
BH315	105.72	7.00	98.72	11-Aug-23	CME-75 Track Mount
BH316	105.71	7.00	98.71	11-Aug-23	CME-75 Track Mount
BH317	104.23	7.00	97.23	11-Aug-23	CME-75 Track Mount
BH319	104.19	5.50	98.69	14-Aug-23	CME-75 Track Mount
BH320	102.76	7.60	95.16	14-Aug-23	CME-75 Track Mount
BH322	101.02	2.10	98.92	13-Sep-23	CME-55 Track Mount
BH323	102.54	3.70	98.84	13-Sep-23	CME-55 Track Mount
BH324	103.5	5.50	98.00	11-Aug-23	CME-75 Track Mount
BH325	104.22	5.50	98.72	14-Aug-23	CME-75 Track Mount
BH326	105.34	3.70	101.64	14-Aug-23	CME-75 Track Mount
BH327	102.2	3.70	98.50	13-Sep-23	CME-55 Track Mount
BH328	103.67	3.70	99.97	13-Sep-23	CME-55 Track Mount
BH330	103.67	1.22	102.45	2-Aug-24	Geoprobe 7822
BH331	105.71	1.22	104.49	2-Aug-24	Geoprobe 7822
BH337	103.98	13.10	90.88	23-Jul-24	Geoprobe 3230DT
BH340	105.98	7.01	98.97	12-Aug-24	Geoprobe 3230DT
BH403	104.22	15.34	88.88	1-Aug-24	Geoprobe 3230DT

Elevation surveyed with a Trimble TSC3 Controller and derived from Can-Net Elevations.

Notes:

mbgs	metres below ground surface
masl	meters above sea level

TABLE 2B - Test Pit Log Information

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	Ground Elevation (masl)	Depth of BH (m bgs)	Bottom Elevation (masl)	Date Drilled	Drilling Equipment
TP201	104.791	2.00	102.79	3-Jul-24	Excavator
TP202	105.013	1.50	103.513	3-Jul-24	Excavator
TP203	105.258	1.50	103.758	3-Jul-24	Excavator
TP204	105.719	2.00	103.719	3-Jul-24	Excavator
TP205	105.747	2.00	103.747	3-Jul-24	Excavator

Elevation surveyed with a Trimble TSC3 Controller and derived from Can-Net Elevations.

Notes:

mbgs	metres below ground surface
masl	meters above sea level

TABLE 3: Summary of Soil Sample Analysis

Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

							Parameters								
Borehole Location	**Sample ID**	**Lab ID**	**Sample depth (mbgs)**	**Sample Date**	**Labarotory**	**Certificate of Analysis Number**	PHCs	BTEX	VOCs	PAHs	OCPs	Metals	HFMs	MeHg	pH
BH104A	MW104A SS2A	6073633	0.66-1.32	9-Aug-24	AGAT	24H184758									X
	MW104A SS2B	6073634	0.66-1.32	9-Aug-24	AGAT	24H184758									X
	MW104A SS2C	6073635	0.66-1.32	9-Aug-24	AGAT	24H184758									X
BH108A	BH108A SS1	ZXD555	0.76 - 1.52	2-Aug-24	BV Labs	C4N8124								X	
BH114N	BH114N SS1	ZXD557	0.61 - 0.91	2-Aug-24	BV Labs	C4N8124								X	
BH114E	BH114E SS1	ZXD559	0.61 - 0.91	2-Aug-24	BV Labs	C4N8124								X	
BH114S	BH114S SS1	ZXD561	0.61 - 0.91	2-Aug-24	BV Labs	C4N8124								X	
BH117A	BH117A SS1A	6073636	0.08-0.59	12-Aug-24	AGAT	24H184758									X
	BH117A SS1B	6073638	0.08-0.59	12-Aug-24	AGAT	24H184758									X
	BH117A SS1C	6073639	0.08-0.59	12-Aug-24	AGAT	24H184758									X
BH119A	BH119A SS6	6073682	3.81 - 4.57	12-Aug-24	AGAT	24H184765	X	X							
BH120A	BH120A SS1A	6073640	0.10-0.5	9-Aug-24	AGAT	24H184758									X
	BH120A SS1B	6073641	0.10-0.5	9-Aug-24	AGAT	24H184758									X
	BH120A SS1C	6073642	0.10-0.5	9-Aug-24	AGAT	24H184758									X
	BH120A SS1D	6073643	0.10-0.5	9-Aug-24	AGAT	24H184758									X
BH133A	BH133A SS1	6073875	0 - 0.76	12-Aug-24	AGAT	24H184764					X				
BH142A	BH142A SS1	ZXD563	0 - 0.5	2-Aug-24	BV Labs	C4N8124								X	
	BH142A SS2	ZXD564	1.07 - 1.52	2-Aug-24	BV Labs	C4N8124								X	
BH203A	MW203A SS1A	6073644	0.3-1.5	9-Aug-24	AGAT	24H184758									X
	MW203A SS1B	6073645	0.3-1.5	9-Aug-24	AGAT	24H184758									X
	MW203A SS1C	6073646	0.3-1.5	9-Aug-24	AGAT	24H184758									X
BH204A	MW204A SS1A	6073647	0.2 - 0.6	9-Aug-24	AGAT	24H184758									X
	MW2044A SS1A	6073650	0.2 - 0.6	9-Aug-24	AGAT	24H184758									X
	MW204A SS1B	6073648	0.2 - 0.6	9-Aug-24	AGAT	24H184758									X
	MW2044A SS1B	6073651	0.2 - 0.6	9-Aug-24	AGAT	24H184758									X
	MW204A SS1C	6073649	0.2 - 0.6	9-Aug-24	AGAT	24H184758									X
	MW2044A SS1C	6073652	0.2 - 0.6	9-Aug-24	AGAT	24H184758									X
BH212A	BH212A SS1A	6073653	0.10-0.60	9-Aug-24	AGAT	24H184758									X
	BH212A SS1B	6073654	0.10-0.60	9-Aug-24	AGAT	24H184758									X
	BH212A SS1C	6073655	0.10-0.60	9-Aug-24	AGAT	24H184758									X
	BH212A SS1D	6073656	0.10-0.60	9-Aug-24	AGAT	24H184758									X
BH214A	BH214A SS1A	6073657	0.10-0.5	9-Aug-24	AGAT	24H184758									X
	BH214A SS1B	6073658	0.10-0.5	9-Aug-24	AGAT	24H184758									X
	BH214A SS1C	6073659	0.10-0.5	9-Aug-24	AGAT	24H184758									X
	BH214A SS1D	6073660	0.10-0.5	9-Aug-24	AGAT	24H184758									X
BH222A	BH222A SS1A	6073661	0.17-0.62	9-Aug-24	AGAT	24H184758									X
	BH222A SS1B	6073662	0.17-0.62	9-Aug-24	AGAT	24H184758									X
	BH222A SS1C	6073663	0.17-0.62	9-Aug-24	AGAT	24H184758									X
BH301	MW301 SS1	6073877	0 - 0.76	8-Aug-24	AGAT	24H184764					X				
BH312	BH312 SS2	5214324	0.76 - 1.37	14-Aug-23	AGAT	23H057843		X	X						
BH313	BH313 SS4	5214326	2.29 - 2.90	14-Aug-23	AGAT	23H057843		X	X						
BH314	BH314 SS3	5214327	1.52 - 2.13	11-Aug-23	AGAT	23H057843		X	X						
BH315	BH315 SS5	5214328	3.05 - 3.66	11-Aug-23	AGAT	23H057843		X	X						
BH316	BH316 SS5	5214329	3.05 - 3.66	11-Aug-23	AGAT	23H057843		X	X						

TABLE 3: Summary of Soil Sample Analysis

Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

							Parameters								
Borehole Location	**Sample ID**	**Lab ID**	**Sample depth (mbgs)**	**Sample Date**	**Labarotory**	**Certificate of Analysis Number**	PHCs	BTEX	VOCs	PAHs	OCPs	Metals	HFMs	MeHg	pH
BH317	BH317 SS4	5214330	2.29 - 2.90	11-Aug-23	AGAT	23H057843		X	X						
BH319	BH319 SS3	5214331	1.52 - 2.13	14-Aug-23	AGAT	23H057843		X	X						
	BH3199 SS3	5214332	Field Duplicate of BH319 SS3	14-Aug-23	AGAT	23H057843		X	X						
BH320	BH 320 SS4	5214333	2.29 - 2.90	14-Aug-23	AGAT	23H057843		X	X						
BH322	BH322 SS2	5291888	0.76 - 1.37	13-Sep-23	AGAT	23H069762		X	X						
BH323	BH323 SS5	5291889	3.05 - 3.66	13-Sep-23	AGAT	23H069762		X	X						
BH324	BH324 SS4	5214334	2.29 - 2.90	11-Aug-23	AGAT	23H057843		X	X						
BH325	BH325 SS4	5214335	2.29 - 2.90	14-Aug-23	AGAT	23H057843		X	X						
BH326	BH326 SS4	5214336	2.29 - 2.90	14-Aug-23	AGAT	23H057843		X	X						
BH327	BH327 SS4	5291891	2.29 - 2.90	13-Sep-23	AGAT	23H069762		X	X						
	BH327 SS44	5291892	Field Duplicate of BH217 SS4	13-Sep-23	AGAT	23H069762		X	X						
BH328	BH328 SS5	5291890	3.05 - 3.66	13-Sep-23	AGAT	23H069762		X	X						
BH330	BH330 SS1	ZXD566	0.5 - 0.8	2-Aug-24	BV Labs	C4N8124								X	
	BH330 SS2	ZXD567	0.8 - 1.22	2-Aug-24	BV Labs	C4N8124								X	
BH331	BH331 SS1	ZXD568	0 - 0.8	2-Aug-24	BV Labs	C4N8124								X	
	BH331 SS2	ZXD569	0.8 - 1.22	2-Aug-24	BV Labs	C4N8124								X	
BH337	BH337 SS2	6040641	0.76 - 1.37	23-Jul-24	AGAT	24H179728	X	X							
	BH337 SS3	6040643	1.52 - 2.13	23-Jul-24	AGAT	24H179728	X	X							
BH340	BH340 SS2	6073878	0.76 - 1.52	12-Aug-24	AGAT	24H184764					X				
BH403	BH403 SS2	6073879	0 - 0.76	1-Aug-24	AGAT	24H184764					X				
TP201	TP201	5979996	2	3-Jul-24	AGAT	24H169980	X	X	X	X		X	X		
TP202	TP202	5979998	1.5	3-Jul-24	AGAT	24H169980	X	X		X		X	X		
	TP202-1	5979999	Field Duplicate of TP202	3-Jul-24	AGAT	24H169980	X	X							
TP203	TP203	5980001	1.5	3-Jul-24	AGAT	24H169980	X	X	X	X		X	X		
TP204	TP204 SS1	5980003	0.5	3-Jul-24	AGAT	24H169980	X	X		X		X	X		
	TP204 SS2	5980004	2	3-Jul-24	AGAT	24H169980				X		X	X		
TP205	TP205 SS1	5980006	0.5	3-Jul-24	AGAT	24H169980	X	X	X	X		X	X		
	TP205 SS2	5980007	2	3-Jul-24	AGAT	24H169980				X		X	X		
						TOTAL	9	26	20	7	4	7	7	10	30

Notes:

Notes:

mbgs	metres below ground surface
masl	meters above sea level
X	Sample collection location
*	Indicates field duplicate sample
PHCs	Petroleum Hydrocarbons
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
VOCs	Volatile Organic Compounds
PAHs	Polycyclic Aromatic Hydrocarbons
OCPs	Organochlorine Pesticides
PCBs	Polychlorinated Biphenyls
HFMs	Hydride Forming Metals

TABLE 4 - Monitoring Well Installation Details

Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID	Installation Date	Ground Elevation (masl)	Stickup (m)	Top of Pipe Elevation (masl)	Measured Depth of Well (m bgs)	Screen Length (m)	Top of Screen (Measured)	Bottom of Screen (Measured)	Well Condition
MW119A	12-Aug-24	105.71	1.06	106.77	7.01	3.05	101.75	98.70	Intact
MW133A	12-Aug-24	106.15	-0.10	106.05	7.01	1.52	100.66	99.14	Intact
MW207A	9-Aug-24	104.86	-0.09	104.77	5.33	1.52	101.05	99.53	Intact
MW301	8-Aug-24	104.86	1.12	105.98	2.89	1.52	103.49	101.97	Intact
MW302	9-Aug-24	104.99	-0.09	104.90	7.01	3.05	101.03	97.98	Intact
MW304	9-Aug-24	104.27	1.02	105.29	7.01	3.05	100.31	97.26	Intact
MW305	9-Aug-24	103.06	-0.08	102.98	7.01	3.05	99.10	96.05	Intact
MW306	9-Aug-24	101.57	-0.13	101.44	2.43	1.52	100.66	99.14	Intact
MW307	9-Aug-24	101.57	0.87	102.44	2.43	1.52	100.66	99.14	Intact
MW308S	30-Jul-24	101.13	1.14	102.27	2.28	1.52	100.37	98.85	Intact
MW308I	30-Jul-24	101.13	1.15	102.28	6.40	3.05	97.78	94.73	Intact
MW308D	30-Jul-24	101.13	1.08	102.21	13.10	3.05	91.08	88.03	Intact
MW309	9-Aug-24	101.82	0.95	102.77	7.01	3.05	97.86	94.81	Intact
MW310	9-Aug-24	101.82	1.06	102.88	2.43	1.52	100.91	99.39	Intact
MW311	9-Aug-24	101.59	1.01	102.60	4.11	1.52	99.00	97.48	Intact
MW312	14-Aug-23	104.03	-0.16	103.87	2.90	1.53	102.66	101.13	Intact
MW313	14-Aug-23	105.40	0.96	106.37	3.51	1.38	103.27	101.89	Intact
MW314	11-Aug-23	105.01	-0.13	104.89	6.71	3.05	101.35	98.30	Intact
MW315	11-Aug-23	105.72	-0.12	105.61	7.01	3.05	101.76	98.71	Intact
MW316	11-Aug-23	105.75	-0.10	105.65	7.01	3.05	101.79	98.74	Intact
MW317	11-Aug-23	104.35	-0.12	104.23	7.01	3.05	100.39	97.34	Intact
MW319	11-Aug-23	104.25	-0.09	104.17	5.49	3.05	101.81	98.76	Intact
MW320	14-Aug-23	102.79	-0.08	102.71	7.62	3.05	98.22	95.17	Intact
MW320D	30-Jul-24	102.79	-0.10	102.69	13.10	3.05	92.74	89.69	Intact
MW322	13-Sep-23	101.08	1.07	102.15	1.83	0.76	100.01	99.25	Intact
MW323	13-Sep-23	102.54	1.08	103.62	3.51	1.53	100.56	99.03	Intact
MW324	11-Aug-23	103.66	-0.09	103.57	5.49	3.05	101.22	98.17	Intact
MW325	14-Aug-23	104.23	-0.09	104.14	5.49	3.05	101.79	98.74	Intact
MW326	14-Aug-23	105.42	0.88	106.29	3.66	1.53	103.29	101.76	Intact
MW327	13-Sep-23	102.24	-0.11	102.13	5.18	1.52	98.58	97.06	Intact
MW328	13-Sep-23	102.60	1.00	103.60	3.05	1.53	101.08	99.55	Intact
MW329	30-Jul-24	101.08	1.02	102.10	6.40	3.05	97.73	94.68	Intact
MW332S	9-Aug-24	105.70	0.80	106.50	3.96	1.51	103.25	101.74	Intact
MW332D	18-Jul-24	105.70	0.54	106.24	13.10	3.05	95.65	92.60	Intact
MW333	18-Jul-24	105.76	0.64	106.40	13.10	3.05	95.71	92.66	Intact

TABLE 4 - Monitoring Well Installation Details

Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID	Installation Date	Ground Elevation (masl)	Stickup (m)	Top of Pipe Elevation (masl)	Measured Depth of Well (m bgs)	Screen Length (m)	Top of Screen (Measured)	Bottom of Screen (Measured)	Well Condition
MW334	16-Jul-24	104.21	-0.10	104.11	13.10	3.05	94.16	91.11	Intact
MW335	17-Jul-24	104.21	-0.12	104.09	13.10	3.05	94.16	91.11	Intact
MW336	30-Jul-24	102.24	-0.09	102.15	13.10	3.05	92.19	89.14	Intact
MW337	23-Jul-24	103.98	0.83	104.81	13.10	3.05	93.93	90.88	Intact
MW338	22-Jul-24	103.98	1.14	105.12	13.10	3.05	93.93	90.88	Intact
MW339	22-Jul-24	105.72	0.95	106.67	13.10	3.05	95.67	92.62	Intact
MW340	12-Aug-24	105.98	-0.11	105.87	7.01	3.05	102.02	98.97	Intact

Elevation surveyed with a Trimble TSC3 Controller and derived from Can-Net Elevations.

Notes:

mbgs	metres below ground surface
masl	meters above sea level

TABLE 5: Summary of Groundwater Sample Analysis

Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

							Parameters									
Well Location	**Sample ID**	**Lab ID**	**Screen Interval (mbgs)**	**Sample Date**	**Labarotory**	**Certificate of Analysis Number**	PHCs	BTEX	VOCs	PAHs	PCBs	Metals	HFMs	Cr(VI)	Hg	MeHg
MW1	MW1	5144336	3.51 - 5.00	13-Jul-23	AGAT	23H047149						X	X			
	MW 1	6058378		6-Aug-24	AGAT	24H182602	X	X		X		X	X	X	X	
MW2	MW2	ZQP043	4.18 - 6.34	4-Jul-24	BV Labs	C4K5576										X
	MW2	6061510		8-Aug-24	AGAT	24T183314		X	X			X	X			
MW4	MW04	6073579	3.96 - 5.47	9-Aug-24	AGAT	24H184763		X	X							
MW101	MW101	6061507	3.66 - 5.18	8-Aug-24	AGAT	24T183314		X	X							
MW104	MW104	5144337	5.18 - 7.01	13-Jul-23	AGAT	23H047149	X	X	X	X						
	MW1044	5144340	Field Duplicate of MW104	13-Jul-23	AGAT	23H047149	X	X		X						
MW107	MW107	5144341	3.50 - 5.03	12-Jul-23	AGAT	23H047149		X	X			X	X			
	MW107	6016076		17-Jul-24	AGAT	24H175816				X						
MW108	MW108	ZQP044	4.67 - 6.20	4-Jul-24	BV Labs	C4K5576										X
	MW108	6061508		8-Aug-24	AGAT	24T183314		X	X							
MW110S	MW 1105	6058417	1.04 - 2.62	6-Aug-24	AGAT	24H182602						X	X		X	
MW110D	MW110D	5144344	3.86 - 5.54	13-Jul-23	AGAT	23H047149		X	X							
MW111	MW111	5144345	3.89 - 5.56	13-Jul-23	AGAT	23H047149		X	X							
	MW1111	5144346	Field Duplicate of MW111	13-Jul-23	AGAT	23H047149		X	X							
	MW111	6016077	3.89 - 5.56	17-Jul-24	AGAT	24H175816		X	X							
MW112	MW 112	6058419	3.81-5.33	6-Aug-24	AGAT	24H182602		X	X							
	MW 1122	6058424	Field Duplicate of MW 112	6-Aug-24	AGAT	24H182602		X	X							
MW113	MW113	5144347	1.29 - 2.81	13-Jul-23	AGAT	23H047149		X	X							
MW114	MW 114	6058425	4.04 - 5.56	6-Aug-24	AGAT	24H182602		X	X							
MW116	MW116	6061506	3.96 - 5.49	8-Aug-24	AGAT	24T183314		X	X							
MW118	MW118	5144348	4.70 - 6.22	13-Jul-23	AGAT	23H047149		X	X							
MW119A	MW119A	6076127	3.96 - 7.01	13-Aug-24	AGAT	24H185136	X	X		X						
MW120	MW120	6073581	3.48 - 5.00	9-Aug-24	AGAT	24H184763		X	X							
MW122	MW122	6061505	3.66 - 5.18	8-Aug-24	AGAT	24T183314		X	X							
MW123	MW123	6061502	5.64 - 7.16	8-Aug-24	AGAT	24T183314		X	X							
	MW123	AAXN63		23-Aug-24	BV Labs	C4Q4099					X					
MW125	MW125	5291751	1.22 - 2.74	14-Sep-23	AGAT	23H069763		X	X							
	MW125	5388863		19-Oct-23	AGAT	23H083947		X	X							
	MW125	5966396		24-Jun-24	AGAT	24H167490		X	X			X	X			
MW126	MW126	5144349	1.37 - 2.90	13-Jul-23	AGAT	23H047149	X	X	X	X		X	X			
	MW1266	5144350	Field Duplicate of MW126	13-Jul-23	AGAT	23H047149						X	X			
	MW126	5966400	1.37 - 2.90	26-Jun-24	AGAT	24H167490	X	X		X		X	X			
MW127	MW 127	6058426	1.37 - 2.90	6-Aug-24	AGAT	24H182602	X	X		X						
MW129	MW 129	6058432	1.27 - 2.90	6-Aug-24	AGAT	24H182602	X	X	X	X		X	X	X	X	
MW130	MW130	5144351	4.11 - 5.64	13-Jul-23	AGAT	23H047149		X	X							
	MW130	6016079		17-Jul-24	AGAT	24H175816				X						

TABLE 5: Summary of Groundwater Sample Analysis

Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

							Parameters									
Well Location	**Sample ID**	**Lab ID**	**Screen Interval (mbgs)**	**Sample Date**	**Labaratory**	**Certificate of Analysis Number**	PHCs	BTEX	VOCs	PAHs	PCBs	Metals	HFMs	Cr(VI)	Hg	MeHg
MW131	MW 131	5144352	1.22 - 2.74	12-Jul-23	AGAT	23H047149		X	X							
	MW131	5966419		26-Jun-24	AGAT	24H167490						X	X			
	MW131	6016084		17-Jul-24	AGAT	24H175816	X	X		X						
MW132S	MW132S	5966420	1.22 - 2.74	26-Jun-24	AGAT	24H167490						X	X			
MW132D	MW132D	5966424	7.77 - 9.30	24-Jun-24	AGAT	24H167490		X	X			X	X			
	MW132D-1	5966437	Field Duplicate of MW132D	24-Jun-24	AGAT	24H167490		X	X							
MW133	MW133	5966439	1.98 - 3.51	26-Jun-24	AGAT	24H167490						X	X			
MW133A	MW133A	6076134	5.49-7.01	13-Aug-24	AGAT	24H185136				X						
	MW133A	AAXN59		23-Aug-24	BV Labs	C4Q4099		X	X							
MW137	MW137	5966440	1.22 - 2.74	26-Jun-24	AGAT	24H167490						X	X			
	MW137	6061511		8-Aug-24	AGAT	24T183314	X	X	X	X						
MW138	MW138	5144355	1.98 - 3.51	13-Jul-23	AGAT	23H047149	X	X	X	X		X	X			
	MW 138	6058436		6-Aug-24	AGAT	24H182602						X	X		X	
MW139	MW139	5966441	1.37 -2.9	26-Jun-24	AGAT	24H167490						X	X			
	MW139-1	5966442	Field Duplicate of MW139	26-Jun-24	AGAT	24H167490						X	X			
	MW139	6061503	1.37 -2.9	8-Aug-24	AGAT	24T183314		X	X							
MW140	MW140	5291758	1.17 - 2.69	14-Sep-23	AGAT	23H069763		X	X							
	MW140	5388866		19-Oct-23	AGAT	23H083947		X	X							
	MW140	5966444		25-Jun-24	AGAT	24H167490		X	X							
	MW140	ZQP045		4-Jul-24	BV Labs	C4K5576										X
MW141	MW 141	6058450	0.91 - 2.44	6-Aug-24	AGAT	24H182602		X	X			X	X		X	
MW142	MW142	5144353	1.37 - 2.90	12-Jul-23	AGAT	23H047149		X	X							
	MW1422	5144354	Field Duplicate of MW142	12-Jul-23	AGAT	23H047149		X	X							
	MW142	5966445	1.37 - 2.90	26-Jun-24	AGAT	24H167490						X	X			
MW143	MW143	6061509	0.76 - 2.29	8-Aug-24	AGAT	24T183314		X	X							
MW145	MW145	6061504	0.76 - 3.81	8-Aug-24	AGAT	24T183314		X	X							
MW146	MW 146	6058455	1.37 - 2.90	6-Aug-24	AGAT	24H182602		X	X							
MW148S	MW148S	5144357	0.70 - 2.23	13-Jul-23	AGAT	23H047149		X	X							
MW148D	MW148D	5144358	4.11 - 5.64	13-Jul-23	AGAT	23H047149		X	X							
	MW1488D	5144359	Field Duplicate of MW148D	13-Jul-23	AGAT	23H047149		X	X							
MW150S	MW150S	5291760	1.06 - 2.29	14-Sep-23	AGAT	23H069763		X	X			X	X			
	MW150S	5388870		19-Oct-23	AGAT	23H083947		X	X			X	X			
	MW150S	5966447		24-Jun-24	AGAT	24H167490		X	X							
MW150D	MW150D	5291807	4.88 - 6.4	14-Sep-23	AGAT	23H069763		X	X			X	X			
	MW150D	5388867		19-Oct-23	AGAT	23H083947		X	X			X	X			
	MW150DD	5388869	Field Duplicate of MW150D	19-Oct-23	AGAT	23H083947		X	X			X	X			
	MW150D	5966448	4.88 - 6.4	24-Jun-24	AGAT	24H167490		X	X							

TABLE 5: Summary of Groundwater Sample Analysis

Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
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							Parameters									
Well Location	**Sample ID**	**Lab ID**	**Screen Interval (mbgs)**	**Sample Date**	**Labarotory**	**Certificate of Analysis Number**	PHCs	BTEX	VOCs	PAHs	PCBs	Metals	HFMs	Cr(VI)	Hg	MeHg
MW151	MW151	6061499	1.52 - 3.05	8-Aug-24	AGAT	24T183314		X	X							
	MW1511	6061500		8-Aug-24	AGAT	24T183314		X	X							
	MW151	AAXN60		23-Aug-24	BV Labs	C4Q4099					X					
MW152	MW152	5291809	0.91 - 2.13	14-Sep-23	AGAT	23H069763		X	X			X	X			
	MW152	5388871		19-Oct-23	AGAT	23H083947		X	X			X	X			
	MW152	5966449		24-Jun-24	AGAT	24H167490		X	X							
MW153	MW153	5388872	0.91 - 2.44	19-Oct-23	AGAT	23H083947		X	X			X	X			
	MW153	5966454		24-Jun-24	AGAT	24H167490						X	X			
MW154	MW154	5291808	0.91 - 2.43	14-Sep-23	AGAT	23H069763		X	X			X	X			
	MW154	5388873		19-Oct-23	AGAT	23H083947		X	X			X	X			
	MW154	5966458		25-Jun-24	AGAT	24H167490		X	X			X	X			
MW155	MW155	5144360	0.91 - 2.44	13-Jul-23	AGAT	23H047149		X	X							
	MW155	5966473		24-Jun-24	AGAT	24H167490						X	X			
MW201	MW201	5291810	17.1 - 20.1	14-Sep-23	AGAT	23H069763		X	X			X	X			
	MW2011	5291811	Field Duplicate of MW201	14-Sep-23	AGAT	23H069763		X	X			X	X			
	MW201	5388874	17.1 - 20.1	19-Oct-23	AGAT	23H083947		X	X			X	X			
	MW201	5966474		24-Jun-24	AGAT	24H167490						X	X			
MW203	MW203	5144361	17.1 - 20.1	13-Jul-23	AGAT	23H047149		X	X			X	X			
	MW2033	5144362	Field Duplicate of MW203	13-Jul-23	AGAT	23H047149						X	X			
	MW203	5291812	17.1 - 20.1	13-Sep-23	AGAT	23H069763		X	X			X	X			
	MW2033	5291814	Field Duplicate of MW203	13-Sep-23	AGAT	23H069763		X	X			X	X			
	MW203	5966475	17.1 - 20.1	26-Jun-24	AGAT	24H167490						X	X			
MW204	MW204	5291813	17.1 - 20.1	13-Sep-23	AGAT	23H069763		X	X			X	X			
	MW204	5388875		19-Oct-23	AGAT	23H083947		X	X			X	X			
	MW204	6016085		17-Jul-24	AGAT	24H175816						X	X		X	
MW205	MW205	5966479	17.1 - 20.1	26-Jun-24	AGAT	24H167490						X	X			
MW207A	MW207A	6076138	3.81 - 5.33	13-Aug-24	AGAT	24H185136	X	X	X	X		X	X			
MW301	MW301	6076143	1.37 - 2.90	13-Aug-24	AGAT	24H185136	X	X		X		X	X			
MW302	MW302	6076149	3.96 - 7.01	13-Aug-24	AGAT	24H185136		X	X							
MW304	MW304	6073582	3.96 - 7.01	12-Aug-24	AGAT	24H184763		X	X							

TABLE 5: Summary of Groundwater Sample Analysis

Phase Two Environmental Site Assessment
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							Parameters									
Well Location	**Sample ID**	**Lab ID**	**Screen Interval (mbgs)**	**Sample Date**	**Labarotory**	**Certificate of Analysis Number**	PHCs	BTEX	VOCs	PAHs	PCBs	Metals	HFMs	Cr(VI)	Hg	MeHg
MW305	MW305	6073586	3.96 - 7.01	12-Aug-24	AGAT	24H184763		X	X							
	MW305	AAXN61		23-Aug-24	BV Labs	C4Q4099					X					
MW306	MW306	6073588	0.91 - 2.44	12-Aug-24	AGAT	24H184763		X	X			X	X			
MW307	MW307	6073591	0.91 - 2.44	12-Aug-24	AGAT	24H184763						X	X			
MW308S	MW308S	6073596	1.06 - 2.29	12-Aug-24	AGAT	24H184763		X	X							
MW308I	MW308I	6073597	4.88 - 6.4	12-Aug-24	AGAT	24H184763		X	X							
MW308D	MW308D	6073598	10.0 - 13.0	12-Aug-24	AGAT	24H184763		X	X							
MW309	MW309	6073599	3.96 - 7.01	12-Aug-24	AGAT	24H184763		X	X							
MW310	MW310	6073600	0.94 - 2.44	12-Aug-24	AGAT	24H184763		X	X							
MW311	MW311	6073601	3.66 - 4.11	12-Aug-24	AGAT	24H184763		X	X			X	X			
MW312	MW312	5388877	1.37 - 2.90	20-Oct-23	AGAT	23H083947		X	X							
	MW312	6016086		17-Jul-24	AGAT	24H175816						X	X		X	
MW313	MW313	5388879	2.13 - 3.51	23-Oct-23	AGAT	23H083947		X	X							
	MW313	ZQP046		4-Jul-24	BV Labs	C4K5576										X
MW314	MW314	5291815	3.66 - 6.71	13-Sep-23	AGAT	23H069763		X	X							
MW315	MW315	5291816	3.96 - 7.01	13-Sep-23	AGAT	23H069763		X	X							
MW316	MW316	5291817	3.96 - 7.01	13-Sep-23	AGAT	23H069763		X	X							
MW317	MW317	5291818	3.96 - 7.01	13-Sep-23	AGAT	23H069763		X	X							
	MW317	AAXN62		23-Aug-24	BV Labs	C4Q4099					X					
MW319	MW319	5388880	2.44 - 5.49	20-Oct-23	AGAT	23H083947		X	X							
MW320	MW320	5388881	4.57 - 7.62	20-Oct-23	AGAT	23H083947		X	X							
MW320D	MW320 D	6076156	10.0 - 13.0	13-Aug-24	AGAT	24H185136		X	X							
MW323	MW323	5388882	1.98 - 3.51	20-Oct-23	AGAT	23H083947		X	X			X	X			
	MW323D	5388883	Field Duplicate of MW323	20-Oct-23	AGAT	23H083947						X	X			
MW324	MW324	5291819	2.44 - 5.49	13-Sep-23	AGAT	23H069763		X	X							
MW325	MW325	5388893	2.44 - 5.49	20-Oct-23	AGAT	23H083947		X	X							
MW326	MW326	5388894	2.13 - 3.66	23-Oct-23	AGAT	23H083947		X	X							
MW327	MW327	5388895	3.66 - 5.18	20-Oct-23	AGAT	23H083947		X	X			X	X			
	MW3277	5388897	Field Duplicate of MW327	20-Oct-23	AGAT	23H083947		X	X							
	MW327	6061501	3.66 - 5.18	8-Aug-24	AGAT	24T183314		X	X							
MW328	MW328	5388898	1.52 - 3.05	20-Oct-23	AGAT	23H083947		X	X			X	X			
MW329	MW329	6073602	4.88 - 6.4	12-Aug-24	AGAT	24H184763		X	X							
MW332S	MW332 S	6076162	1.37 - 2.90	13-Aug-24	AGAT	24H185136						X	X			
	MW332 S-0	6076166	Field Duplicate of MW332 S	13-Aug-24	AGAT	24H185136						X	X			
MW332D	MW332D	6073603	10.0 - 13.0	12-Aug-24	AGAT	24H184763		X	X							
	MW332D0	6073604	Field Duplicate of MW332D	12-Aug-24	AGAT	24H184763		X	X							
MW333	MW333	6076168	10.0 - 13.0	13-Aug-24	AGAT	24H185136		X	X							

TABLE 5: Summary of Groundwater Sample Analysis

Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
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Well Location	Sample ID	Lab ID	Screen Interval (mbgs)	Sample Date	Labarotory	Certificate of Analysis Number	Parameters									
							PHCs	BTEX	VOCs	PAHs	PCBs	Metals	HFMs	Cr(VI)	Hg	MeHg
MW334	MW334	6076169	10.0 - 13.0	13-Aug-24	AGAT	24H185136		X	X							
MW335	MW335	6073605	10.0 - 13.0	12-Aug-24	AGAT	24H184763		X	X							
	MW335-0	6073606	Field Duplicate of MW335	12-Aug-24	AGAT	24H184763		X	X							
MW336	MW336	6073608	10.0 - 13.0	12-Aug-24	AGAT	24H184763		X	X							
MW337	MW337	6076170	10.0 - 13.0	13-Aug-24	AGAT	24H185136		X	X							
MW338	MS338	6076171	10.0 - 13.0	13-Aug-24	AGAT	24H185136		X	X							
MW339	MW339	6076172	10.0 - 13.0	13-Aug-24	AGAT	24H185136		X	X							
MW340	MW340	6076173	10.0 - 13.0	13-Aug-24	AGAT	24H185136		X	X							
Trip Blank	Trip Blank	5144364	-	-	AGAT	23H047149		X	X							
	Trip Blank	5144365		-	AGAT	23H047149		X	X							
	Trip Blank	5388899		-	AGAT	23H083947		X	X							
	Trip Blank	5388902		-	AGAT	23H083947		X	X							
	Trip Blank	5966482	-	-	AGAT	24H167490		X	X							
	Trip Blank	6016088		-	AGAT	24H175816		X	X							
	TRIP BLANK	6061512		-	AGAT	24T183314		X	X							
	Trip Blank	6073609		-	AGAT	24H184763		X	X							
	Trip Blank	6073609		-	AGAT	24H185136		X	X							
						TOTAL	13	125	118	16	4	59	59	2	7	4

Notes:

mbgs	metres below ground surface
masl	meters above sea level
X	Sample collection location
*	Indicates field duplicate sample
PHCs	Petroleum Hydrocarbons
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
VOCs	Volatile Organic Compounds
PAHs	Polycyclic Aromatic Hydrocarbons
OCPs	Organochlorine Pesticides
PCBs	Polychlorinated Biphenyls
HFMs	Hydride Forming Metals

TABLE 6: Water Level Depths and Elevations
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

				July 2024	June 2024		11-Jul-2023			10-Sep-2024		
Location ID	Screen Inteval Start (m)	Screen Inteval End (m)	Screen length	Updated Ground Elevation (masl)	Updated Stick up (+) /down (-) (m)	Well Type	Water Level (mTOP)	Water Level Depth (m bg)	Water Level Elevation (masl)	Water Level (mTOP)	Water Level Depth (m bg)	Water Level Elevation (masl)
MW1	3.51	5	1.49	106.31	-0.11	Shale	2.36	3.10	103.27	2.59	2.69	103.62
MW101	3.66	5.18	1.52	105.75	-0.12	Shale	3.41	2.31	103.44	2.80	2.92	102.84
MW102	4.47	6.15	1.68	105.59	-0.10	Shale	3.31	2.35	103.22	2.54	2.64	102.95
MW103	1.83	3.35	1.52	105.76	-0.12	Overburden	3.23	2.07	103.63	1.75	1.87	103.89
MW104	5.18	7.01	1.83	105.77	-0.11	Shale	3.95	2.96	102.77	3.20	3.31	102.46
MW105	3.81	5.33	1.52	105.61	-0.10	Shale	2.84	1.90	103.49	2.15	2.24	103.37
MW106	3.81	5.33	1.52	104.46	0.97	Shale	-	-	-	2.53	1.56	102.90
MW107	3.5	5.03	1.53	104.85	-0.11	Shale	3.02	1.85	102.98	2.11	2.22	102.64
MW108	4.67	6.2	1.53	103.67	-0.11	Shale	3.32	2.41	101.25	2.64	2.75	100.93
MW109	3.18	4.7	1.52	105.60	-	Shale	3.43	2.54	103.03	-	-	-
MW110D	3.86	5.54	1.68	104.21	-0.09	Shale	2.94	1.83	102.36	1.99	2.08	102.14
MW110S	1.04	2.62	1.58	104.22	-0.11	Overburden	2.78	1.52	102.65	1.64	1.75	102.48
MW111	3.89	5.56	1.67	104.21	-0.10	Shale	2.68	1.64	102.56	1.99	2.09	102.12
MW112	3.81	5.33	1.52	104.40	0.98	Shale	-	-	-	3.33	2.35	102.05
MW113	1.29	2.81	1.52	103.37	-0.08	Overburden	3.22	2.17	101.18	1.96	2.04	101.34
MW114	4.04	5.56	1.52	102.15	-0.10	Shale	2.88	1.73	100.35	1.82	1.92	100.23
MW115	2.13	3.66	1.53	105.60	1.16	Overburden	1.50	0.67	104.92	3.04	1.89	103.71
MW116	3.96	5.49	1.53	105.72	-0.09	Shale	3.40	2.38	103.34	2.83	2.92	102.81
MW117	3.51	5.03	1.52	105.70	1.00	Shale	3.11	2.06	103.65	3.34	2.34	103.36
MW118	4.7	6.22	1.52	105.69	-0.10	Shale	3.65	2.67	103.02	2.89	2.99	102.70
MW119A	3.96	7.01	3.05	105.71	1.06	Shale	-	-	-	4.02	2.96	102.76
MW120	3.48	5	1.52	105.69	0.98	Shale	3.09	2.07	103.65	3.55	2.57	103.12
MW121	3.81	5.33	1.52	105.76	-0.09	Shale	3.74	2.76	102.98	2.98	3.07	102.69
MW122	3.66	5.18	1.52	105.45	-0.09	Shale	3.43	2.64	102.79	2.59	2.68	102.77
MW123	5.64	7.16	1.52	104.21	-0.10	Shale	4.76	3.80	100.39	3.92	4.02	100.20
MW125	1.22	2.74	1.52	102.36	0.92	Overburden	-	-	-	2.58	1.65	100.71
MW126	1.37	2.9	1.53	104.86	-0.10	Overburden	2.47	1.26	103.58	1.65	1.75	103.11
MW127	1.37	2.9	1.53	105.44	-0.12	Overburden	3.02	1.89	103.55	2.09	2.21	103.24
MW128	3.96	5.49	1.53	105.61	-0.11	Shale	3.32	2.33	103.28	2.40	2.50	103.11
MW129	1.27	2.9	1.63	105.08	-0.09	Overburden	2.41	1.45	103.63	1.67	1.76	103.32
MW130	4.11	5.64	1.53	105.49	-0.12	Shale	3.45	2.53	102.93	2.73	2.85	102.64
MW131	1.22	2.74	1.52	104.30	-0.13	Overburden	2.25	1.14	103.15	1.50	1.62	102.68
MW132D	7.77	9.3	1.53	105.72	1.01	Shale	4.95	3.94	101.65	5.08	4.07	101.65
MW132S	1.22	2.74	1.52	105.62	1.20	Overburden	2.59	1.39	104.20	2.86	1.67	103.96
MW133	1.98	3.51	1.53	106.15	-0.13	Overburden	3.27	2.35	103.78	2.50	2.63	103.53
MW133A	5.49	7.01	1.52	106.15	-0.10	Shale	-	-	-	3.44	3.54	102.61
MW137	1.22	2.74	1.52	104.93	-0.11	Overburden	2.61	1.57	102.72	1.77	1.87	103.06
MW138	1.98	3.51	1.53	105.31	0.99	Overburden	3.32	2.33	102.97	3.42	2.42	102.89
MW139	1.37	2.9	1.53	104.27	1.05	Overburden	-	-	-	2.84	1.79	102.48
MW140	1.17	2.69	1.52	101.78	-0.13	Overburden	-	-	-	1.09	1.22	100.56
MW141	0.91	2.44	1.53	102.65	-0.08	Overburden	2.27	1.11	101.47	1.16	1.24	101.41
MW142	1.37	2.9	1.53	104.06	-0.13	Overburden	2.32	1.23	102.83	1.40	1.53	102.54
MW143	0.76	2.29	1.53	103.82	-0.13	Overburden	2.63	1.41	102.36	1.35	1.48	102.35
MW144	2.41	3.93	1.52	103.51	0.07	Shale	3.59	2.52	100.95	2.68	2.61	100.90
MW145	0.76	3.81	3.05	105.78	-0.10	Shale	4.24	3.01	102.72	3.13	3.23	102.55
MW146	1.37	2.9	1.53	102.81	-0.10	Overburden	3.50	2.43	100.30	2.36	2.46	100.36
MW148D	4.11	5.64	1.53	102.57	-0.14	Shale	3.40	2.13	100.39	2.15	2.29	100.29
MW148S	0.7	2.23	1.53	102.59	-0.10	Overburden	1.80	0.57	101.97	0.61	0.70	101.89
MW150D	4.88	6.4	1.52	101.35	0.87	Shale	-	-	-	3.52	2.65	98.70
MW150S	1.06	2.29	1.23	101.38	0.88	Overburden	-	-	-	2.23	1.35	100.03
MW151	1.52	3.05	1.53	103.06	-0.13	Overburden	1.95	1.95	104.99	1.75	1.88	101.19
MW152	0.91	2.13	1.22	100.95	0.90	Overburden	-	-	-	2.46	1.56	99.39
MW153	0.91	2.44	1.53	101.82	0.87	Overburden	-	-	-	2.15	1.29	100.54

TABLE 6: Water Level Depths and Elevations
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

				July 2024	June 2024		11-Jul-2023			10-Sep-2024		
Location ID	**Screen Inteval Start (m)**	**Screen Inteval End (m)**	**Screen length**	**Updated Ground Elevation (masl)**	**Updated Stick up (+) /down (-) (m)**	**Well Type**	**Water Level (mTOP)**	**Water Level Depth (m bg)**	**Water Level Elevation (masl)**	**Water Level (mTOP)**	**Water Level Depth (m bg)**	**Water Level Elevation (masl)**
MW154	0.91	2.43	1.52	101.81	-0.07	Overburden	-	-	-	0.97	1.04	100.78
MW155	0.91	2.44	1.53	102.71	0.84	Overburden	1.50	0.67	101.70	1.50	0.66	102.05
MW2	4.18	6.34	2.16	103.89	-0.02	Shale	1.61	1.62	102.84	1.72	1.74	102.15
MW201	17.1	20.1	3	101.27	0.75	Deep	-	-	-	8.79	8.04	93.24
MW203	17.1	20.1	3	105.76	-0.13	Deep	12.94	12.08	93.68	11.09	11.22	94.54
MW204	17.1	20.1	3	105.70	-0.10	Deep	7.54	7.23	98.47	9.20	9.30	96.40
MW205	17.1	20.1	3	104.20	-0.12	Deep	12.93	12.05	92.15	10.49	10.61	93.59
MW207A	3.81	5.33	1.52	104.86	-0.09	Shale	-	-	-	1.90	1.99	102.88
MW301	1.37	2.89	1.52	104.86	1.12	Overburden	-	-	-	2.56	1.44	103.42
MW302	3.96	7.01	3.05	104.99	-0.09	Shale	-	-	-	2.37	2.46	102.53
MW304	3.96	7.01	3.05	104.27	1.02	Shale	-	-	-	3.60	2.58	101.69
MW305	3.96	7.01	3.05	103.06	-0.08	Shale	-	-	-	2.60	2.68	100.39
MW306	0.91	2.43	1.52	101.57	-0.13	Overburden	-	-	-	1.08	1.21	100.36
MW307	0.91	2.43	1.52	101.57	0.87	Overburden	-	-	-	1.65	0.78	100.79
MW308D	10.05	13.1	3.05	101.13	1.08	Deep	-	-	-	6.88	5.80	95.33
MW308I	3.35	6.4	3.05	101.13	1.15	Shale	-	-	-	3.46	2.31	98.83
MW308S	0.76	2.28	1.52	101.13	1.14	Overburden	-	-	-	2.23	1.09	100.04
MW309	3.96	7.01	3.05	101.82	0.95	Shale	-	-	-	3.00	2.05	99.78
MW310	0.91	2.43	1.52	101.82	1.06	Overburden	-	-	-	2.56	1.50	100.32
MW311	2.59	4.11	1.52	101.59	1.01	Shale	-	-	-	2.27	1.26	100.33
MW312	1.37	2.9	1.53	104.03	-0.16	Overburden	-	-	-	1.26	1.41	102.62
MW313	2.13	3.51	1.38	105.40	0.96	Overburden	-	-	-	3.55	2.59	102.82
MW314	3.66	6.71	3.05	105.01	-0.13	Shale	-	-	-	2.44	2.57	102.45
MW315	3.96	7.01	3.05	105.72	-0.12	Shale	-	-	-	3.04	3.15	102.57
MW316	3.96	7.01	3.05	105.75	-0.10	Shale	-	-	-	3.21	3.31	102.44
MW317	3.96	7.01	3.05	104.35	-0.12	Shale	-	-	-	2.15	2.27	102.08
MW319	2.44	5.49	3.05	104.25	-0.09	Shale	-	-	-	1.67	1.75	102.50
MW320	4.57	7.62	3.05	102.79	-0.08	Shale	-	-	-	2.05	2.13	100.66
MW320D	10.05	13.1	3.05	102.79	-0.10	Deep	-	-	-	6.56	6.66	96.13
MW323	1.98	3.51	1.53	102.54	1.08	Overburden	-	-	-	3.03	1.95	100.59
MW324	2.44	5.49	3.05	103.66	-0.09	Shale	-	-	-	1.95	2.04	101.62
MW325	2.44	5.49	3.05	104.23	-0.09	Shale	-	-	-	1.98	2.07	102.16
MW326	2.13	3.66	1.53	105.42	0.88	Overburden	-	-	-	3.82	2.94	102.48
MW327	3.66	5.18	1.52	102.24	-0.11	Shale	-	-	-	1.68	1.79	100.46
MW328	1.52	3.05	1.53	102.60	1.00	Overburden	-	-	-	2.93	1.93	100.67
MW329	3.35	6.4	3.05	101.08	1.02	Shale	-	-	-	3.19	2.17	98.91
MW332D	10.05	13.1	3.05	105.70	0.54	Deep	-	-	-	6.71	6.17	99.53
MW332S	2.45	3.96	1.51	105.70	0.80	Shale	-	-	-	3.98	3.18	102.52
MW333	10.05	13.1	3.05	105.76	0.64	Deep	-	-	-	5.07	4.43	101.33
MW334	10.05	13.1	3.05	104.21	-0.10	Deep	-	-	-	7.31	7.41	96.81
MW335	10.05	13.1	3.05	104.21	-0.12	Deep	-	-	-	5.59	5.71	98.50
MW336	10.05	13.1	3.05	102.24	-0.09	Deep	-	-	-	6.61	6.70	95.54
MW337	10.05	13.1	3.05	103.98	0.83	Deep	-	-	-	8.33	7.50	96.48
MW338	10.05	13.1	3.05	103.98	1.14	Deep	-	-	-	8.13	6.99	96.99
MW339	10.05	13.1	3.05	105.72	0.95	Deep	-	-	-	7.15	6.20	99.53
MW340	3.96	7.01	3.05	105.98	-0.11	Shale	-	-	-	3.40	3.51	102.48
MW4	3.96	5.47	1.51	101.60	0.64	Shale	-	-	-	2.62	1.98	99.63

Elevations for the 1 Series were based from the 1991 BH logs (Golder, 1991). Elevations for the 100 Series were based provided from the 2014 Phase II ESA (AECOM, 2014). Elevations were not provided to EXP for the BH200 series.
Elevations for EXP locations surveyed with a Trimble TSC3 Controller and derived from Can-Net Elevations.

mTOP top of pipe measurement in metres
m bgs metres below ground surface
masl metres above sea level

TABLE 7A - Summary of Horizontal Hydraulic Gradients - Overburden Aquifer

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Well Pair	Separation Distance (m)	Groundwater Elevations (m)	Elevation Difference (m)	Hydraulic Gradient* (m/m)
MW103	117.5	103.89	0.36	0.003
MW133		103.53		
MW103	179.8	103.89	1.83	0.010
MW155		102.05		
MW103	233.0	103.89	0.77	0.003
MW126		103.11		

*The horizontal hydraulic gradient between monitoring well pair is calculated from i = Δh/Δs, where I is the horizontal hydraulic gradient, Δh (m) is the groundwater elevation difference and Δs (m) is the distance apart.

TABLE 7B - Summary of Horizontal Hydraulic Gradients - Shallow Bedrock Aquifer

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Well Pair	Separation Distance (m)	Groundwater Elevations (m)	Elevation Difference (m)	Hydraulic Gradient* (m/m)
MW132D	173.8	101.65	0.02	0.0001
MW324		101.62		
MW132D	311.1	101.65	2.95	0.009
MW150D		98.70		
MW132D	186.5	101.65	0.72	0.004
MW108		100.93		

*The horizontal hydraulic gradient between monitoring well pair is calculated from i = Δh/Δs, where I is the horizontal hydraulic gradient, Δh (m) is the groundwater elevation difference and Δs (m) is the distance apart.

TABLE 7C - Summary of Horizontal Hydraulic Gradients - Deep Bedrock Aquifer

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Well Pair	Separation Distance (m)	Groundwater Elevations (m)	Elevation Difference (m)	Hydraulic Gradient* (m/m)
MW333	160.8	101.33	1.81	0.011
MW339		99.53		
MW333	206.9	101.33	4.85	0.023
MW337		96.48		
MW333	259.3	101.33	6.00	0.023
MW308D		95.33		

*The horizontal hydraulic gradient between monitoring well pair is calculated from i = Δh/Δs, where I is the horizontal hydraulic gradient, Δh (m) is the groundwater elevation difference and Δs (m) is the distance apart.

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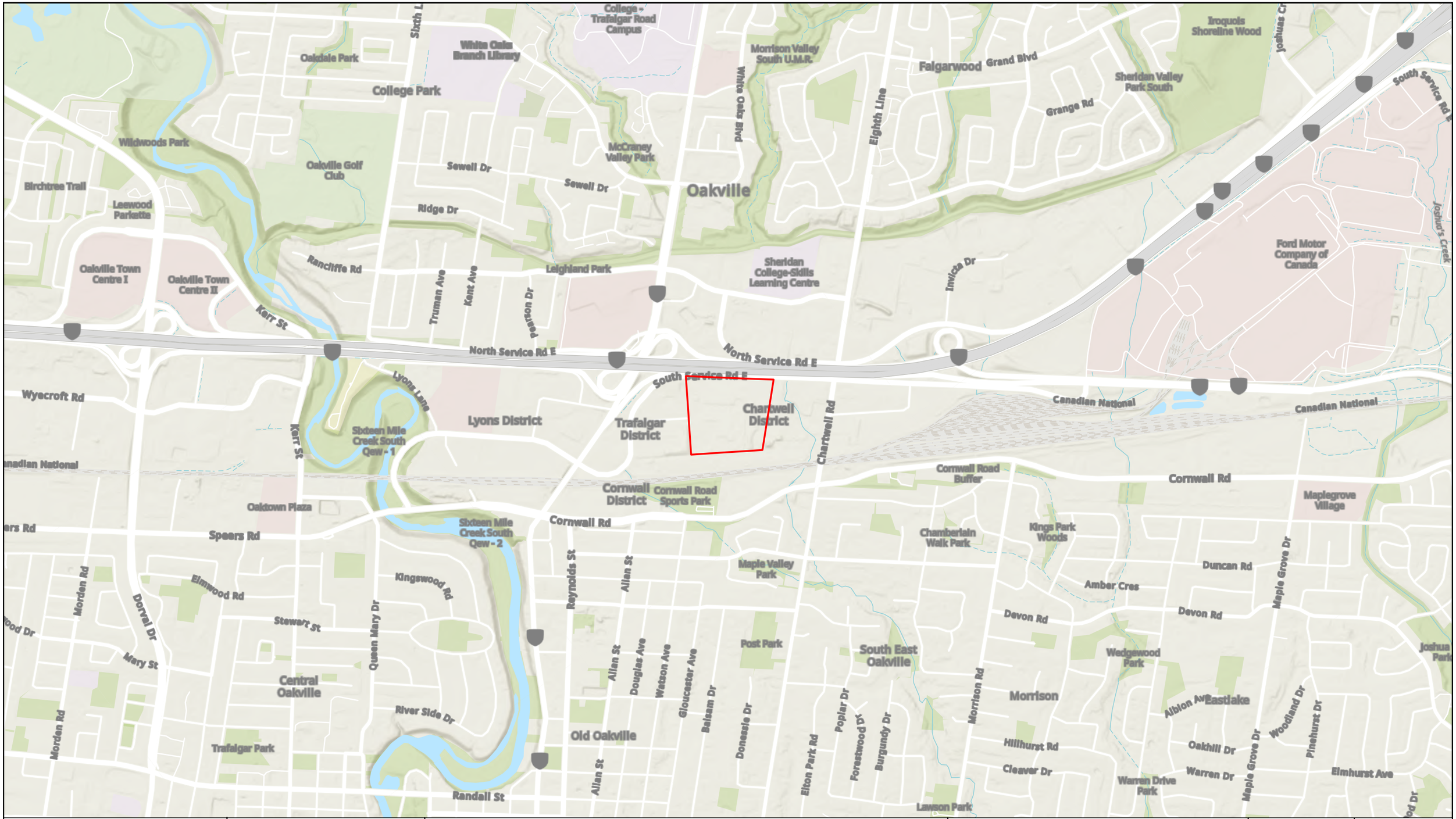

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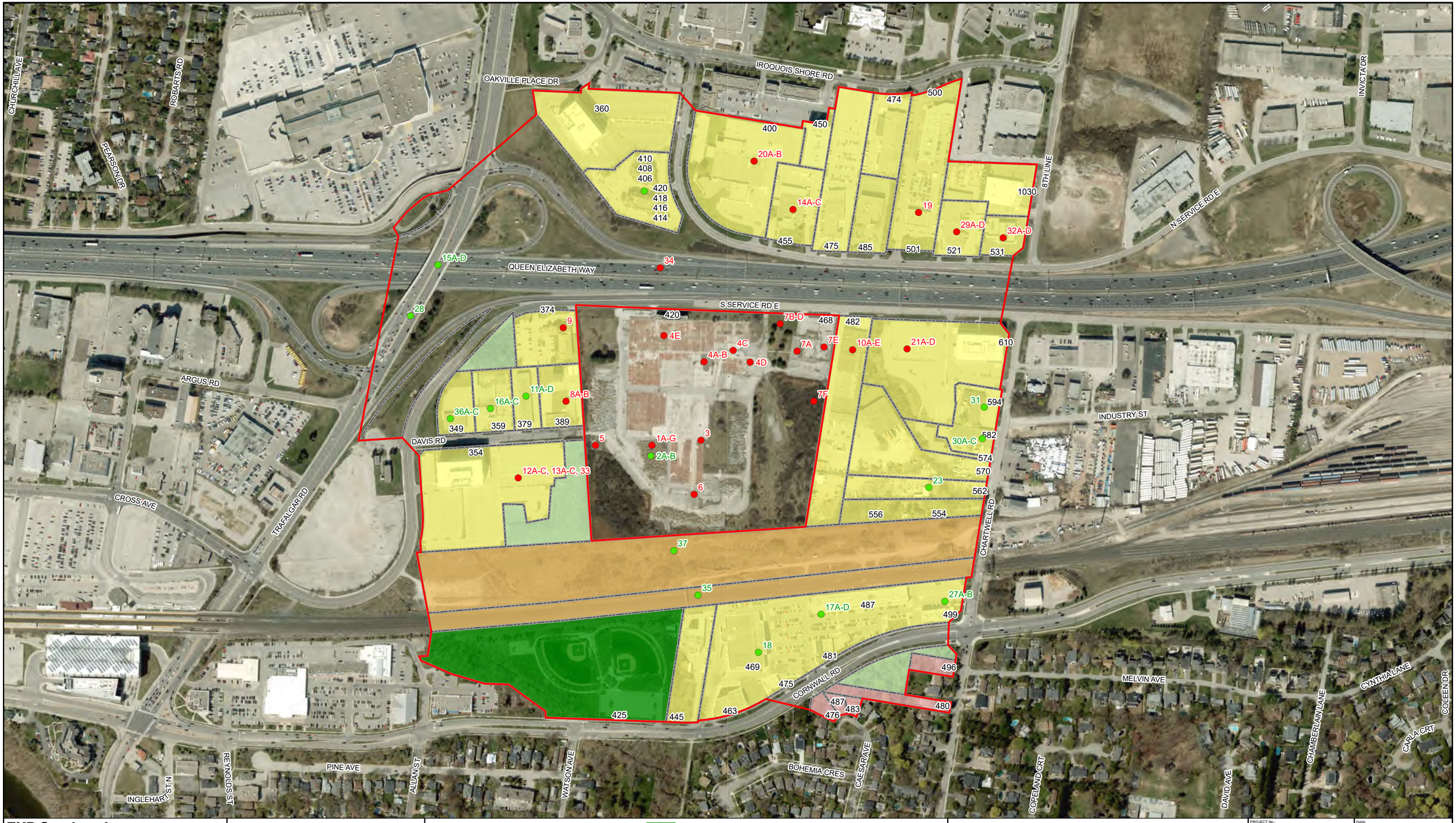
0 150 300 450 600 750 m

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SITE LOCATION PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 1



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0 50 100 150 200 250 m

- PCA CONTRIBUTING TO AN APEC
- PCA NOT CONTRIBUTING TO AN APEC
- AGRICULTURAL / OTHER USE
- COMMERCIAL
- INDUSTRIAL
- PARKLAND
- RESIDENTIAL
- PHASE ONE STUDY AREA
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

PHASE ONE STUDY AREA, SURROUNDING LAND USE PLAN, AND POTENTIALLY CONTAMINATING ACTIVITIES (PCAs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
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0 20 40 60 80 100 m

- FORMER UNDERGROUND STORAGE TANK
- T FORMER TRANSFORMER
- FORMER BUILDING (2006)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SITE PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 3

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- APEC 1A-G
- APEC 2
- APEC 3A-B
- APEC 3C
- APEC 3D
- APEC 3E
- APEC 4
- APEC 5
- APEC 6A
- APEC 6B-D
- APEC 6E
- APEC 6F
- APEC 7
- APEC 8
- APEC 9
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APECs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
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PROJECT No.: GTR-23006348-E1	DWN: AC
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DATE: AUGUST 2024	FIG. No.: 4

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- BOREHOLE / MONITORING WELL (AECOM, 2013)
- SURFICIAL SOIL SAMPLE (AECOM, 2013)
- TEST PIT (AECOM, 2013)
- BOREHOLE (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (EXP, 2023)
- TEST PIT (EXP, 2024)
- BOREHOLE (EXP, 2024)
- BOREHOLE / MONITORING WELL (EXP, 2024)
- CROSS SECTION AXIS
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

BOREHOLE / MONITORING WELL LOCATION PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 5A

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0 20 40 60 80 100 m

TITLE AND LOCATION:

BOREHOLE / MONITORING WELL
LOCATION PLAN AND APECs
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 5B

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0 20 40 60 80 100 m

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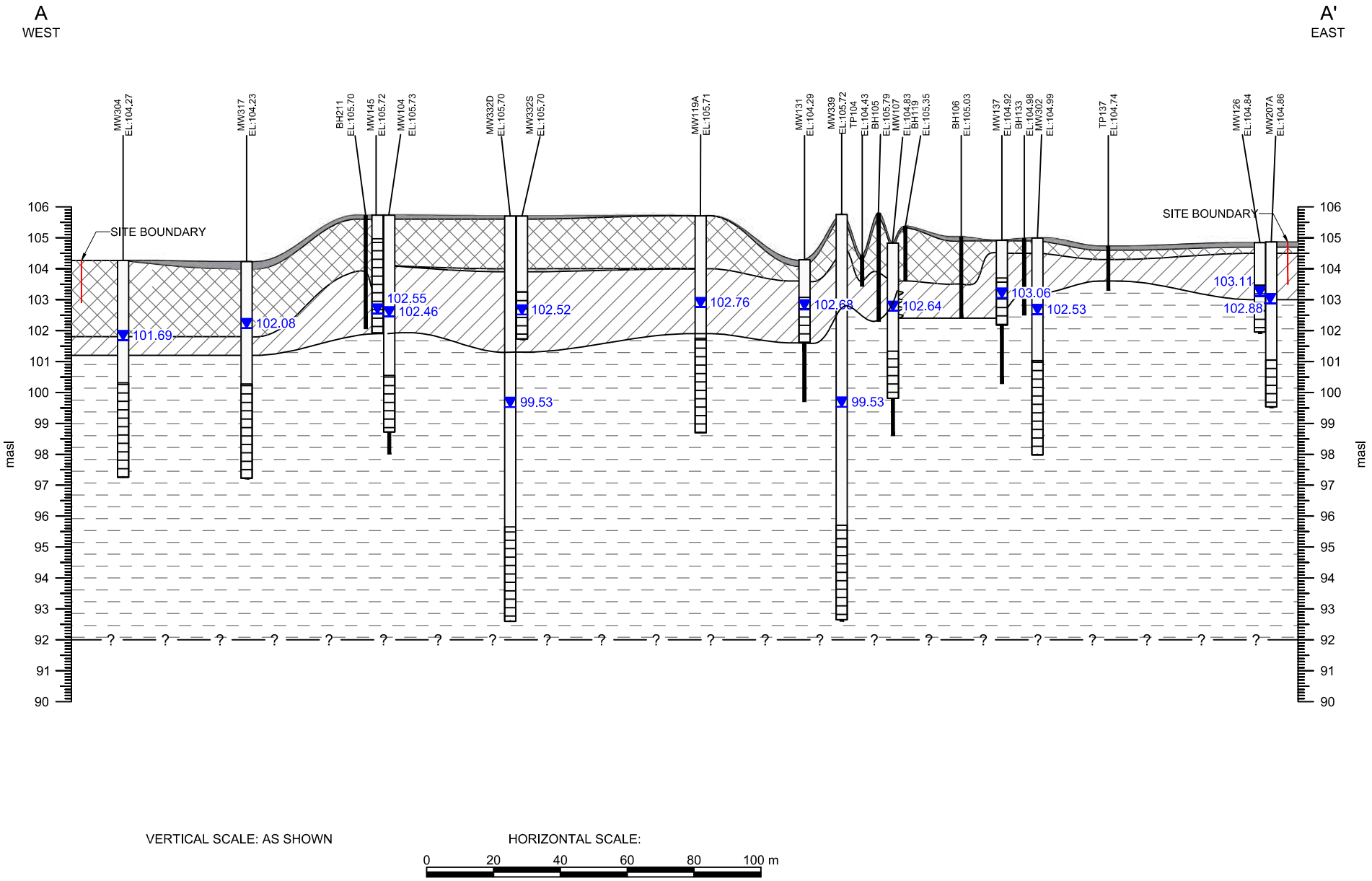
- BOREHOLE / MONITORING WELL (AECOM, 2013)
- SURFICIAL SOIL SAMPLE (AECOM, 2013)
- TEST PIT (AECOM, 2013)
- BOREHOLE (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (EXP, 2023)
- TEST PIT (EXP, 2024)
- BOREHOLE (EXP, 2024)
- BOREHOLE / MONITORING WELL (EXP, 2024)
- QUADRANT BOUNDARY
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

BOREHOLE / MONITORING WELL AND QUADRANT LOCATION PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 5C



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LEGEND:

- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024

TITLE AND LOCATION:

CROSS SECTION A-A'
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.: GTR-23006348-E1	DWN.: MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 5D

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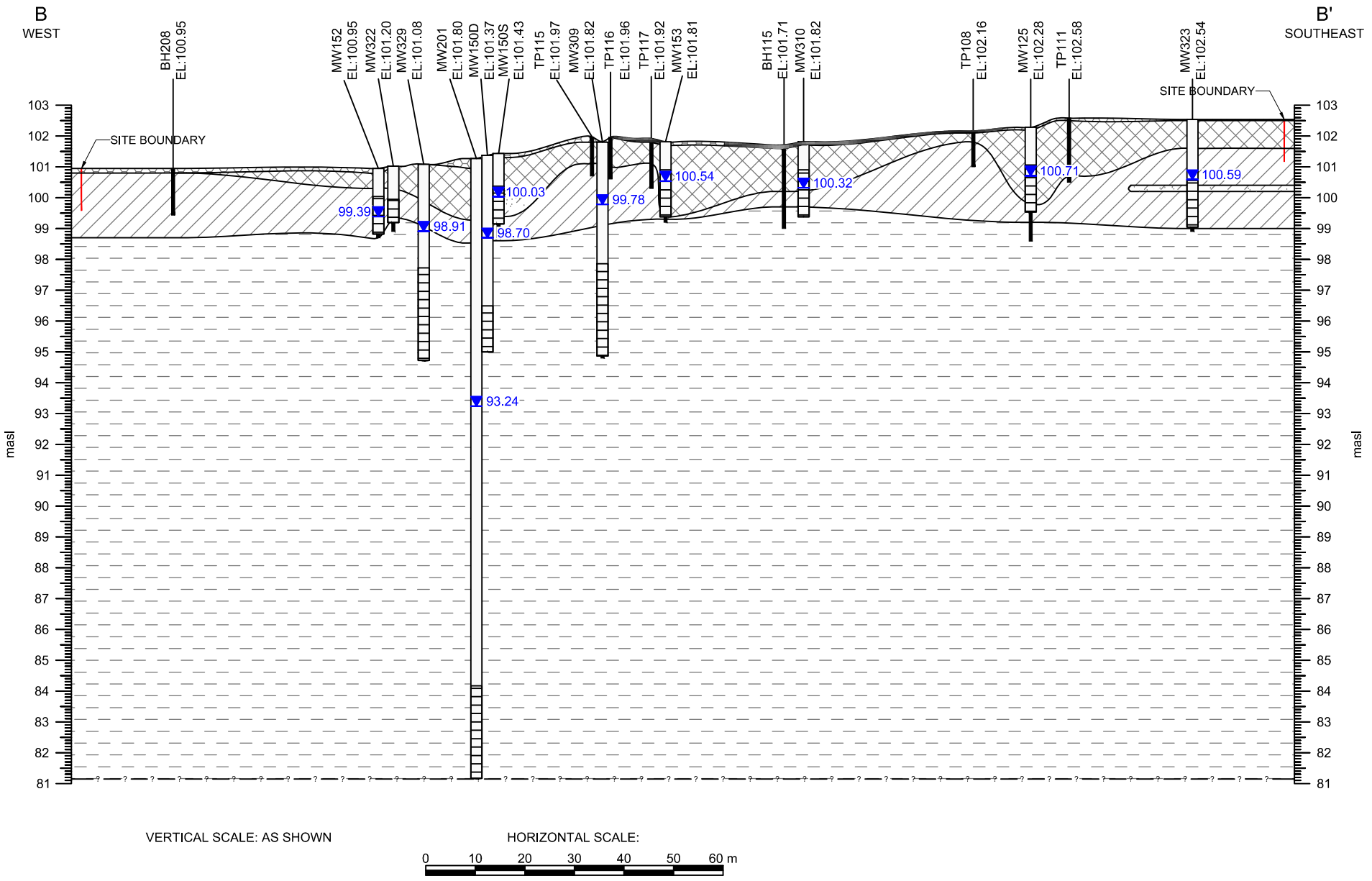

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 10 20 30 40 50 60 m

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LEGEND:

- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024

TITLE AND LOCATION:

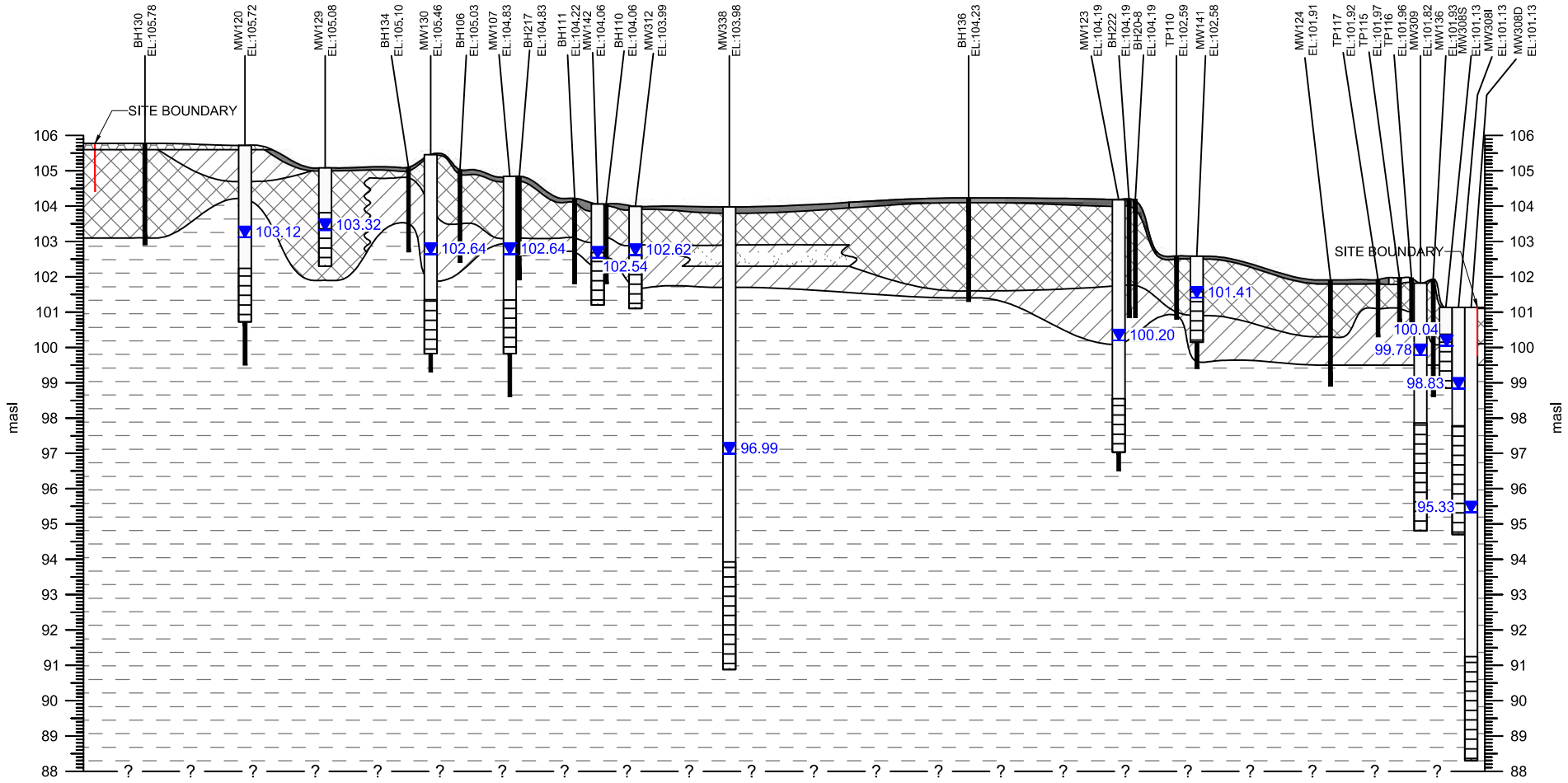
CROSS SECTION B-B'
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.: GTR-23006348-E1	DWN.: MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 5E

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

C
NORTHEAST

C'
SOUTHWEST



VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

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LEGEND:

- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024

TITLE AND LOCATION:

CROSS SECTION C-C'
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	5F

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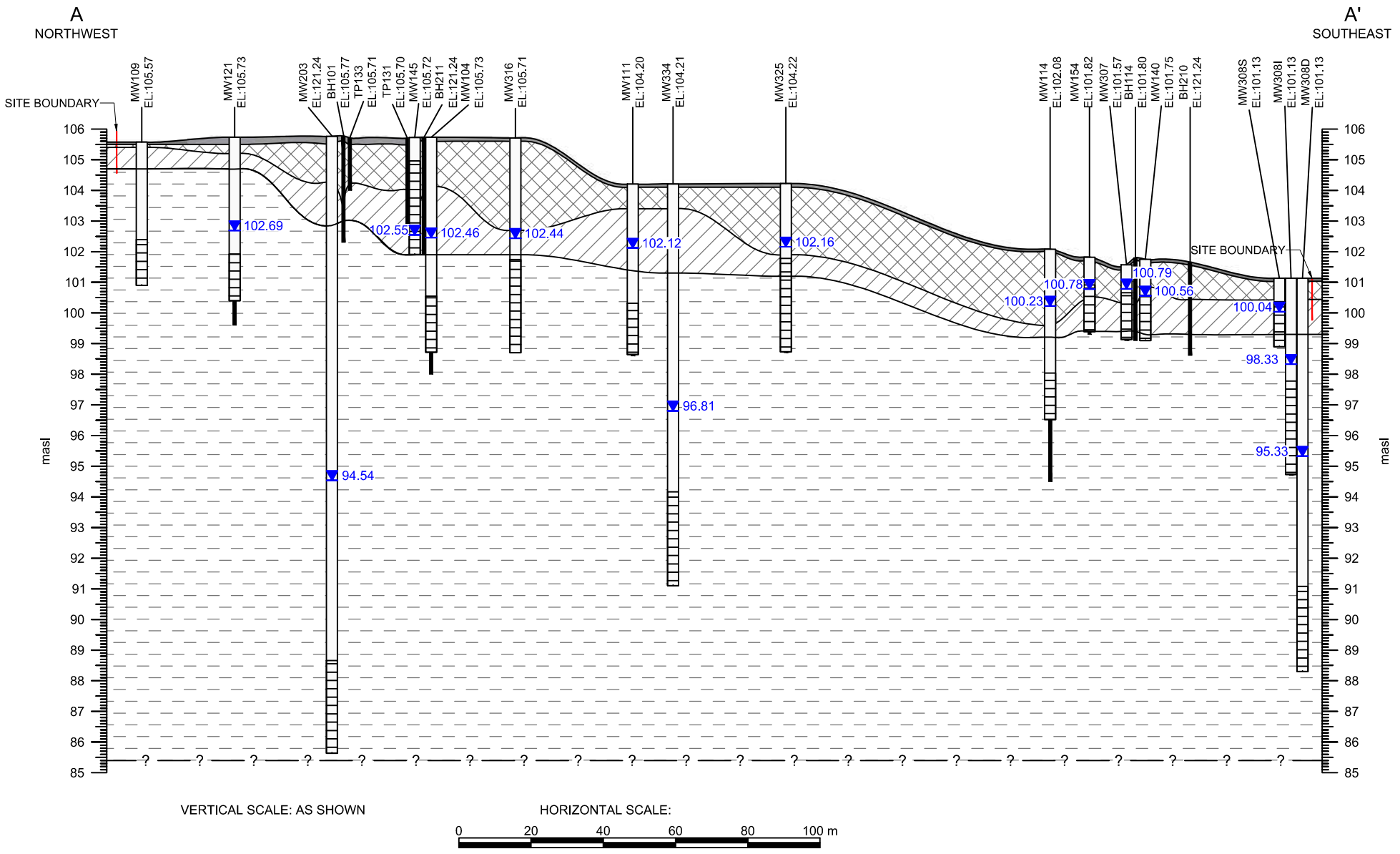

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024

TITLE AND LOCATION:

CROSS SECTION D-D'
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.: GTR-23006348-E1	DWN.: MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 5G

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0 20 40 60 80 100 m

- BOREHOLE / MONITORING WELL (AECOM, 2013)
- BOREHOLE / MONITORING WELL (EXP, 2023)
- BOREHOLE / MONITORING WELL (EXP, 2024)
- APPROXIMATE SITE BOUNDARY
- xx.xx GROUNDWATER ELEVATION (m asl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

TITLE AND LOCATION:

OVERBURDEN GROUNDWATER CONTOUR PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: SEPTEMBER 2024	FIG. No.: 6A

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N

0 20 40 60 80 100 m

- BOREHOLE / MONITORING WELL (AECOM, 2013)
- BOREHOLE / MONITORING WELL (EXP, 2023)
- BOREHOLE / MONITORING WELL (EXP, 2024)
- APPROXIMATE SITE BOUNDARY
- GROUNDWATER ELEVATION (m asl) AS MEASURED ON SEPTEMBER 10, 2024
- xx.xx GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

TITLE AND LOCATION:

SHALLOW BEDROCK GROUNDWATER CONTOUR PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: SEPTEMBER 2024	FIG. No.: 6B

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0 20 40 60 80 100 m

- BOREHOLE / MONITORING WELL (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (EXP, 2024)
- APPROXIMATE SITE BOUNDARY
- xx.xx GROUNDWATER ELEVATION (m asl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

TITLE AND LOCATION:

DEEP BEDROCK GROUNDWATER CONTOUR PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: SEPTEMBER 2024	FIG. No.: 6C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs
- AREA OF CONTAMINATION (PHCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 7A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

DAVIS RD

MW109 0.05-0.85
MW133 0.18-1.07 1.52-2.29
MW132D 0.05-1.02 1.63-2.24
BH141 ~0.16-0.35 0.85-1.22
MW121 0.18-1.04
TP129 1-1.1 1.15-1.25
TP130 0.9-1 1.1-1.2
TP127 2.1-2.3
MW314 1.52-2.13
MW122 0-0.92
MW203 ~2.0-2.9
MW103 0.13-0.97 1.54-2.21
BH103 0.1-0.92
BH101 0.17-0.59 2.4-2.75
TP133 1.2-1.5 1.5-1.7
TP134 1.1-1.2 1.35-1.5
TP131 0.8-0.85 2.3-2.4
BH122 1.52-2.33 2.34-2.87
MW145 1.68-2.13 2.29-2.53 3.05-3.47
MW104 0.66-1.32 1.52-2.64
BH102 0.13-0.58 1.78-2.43
MW315 3.05-3.66
MW119D 0.12-0.92 3.5-3.95
MW119A 3.81-4.57
MW317 2.29-2.90
MW112 0.05-1.7
MW316 3.05-3.66
MW204 1.2-2.4
TP126 1.8-1.9
MW139 0.7-0.92
BH138 0.75-1.22 1.22-1.41
MW111 0.1-0.94 1.52-2.69
MW319 ~1.52-2.13
BH137 0.8-1.1 1.3-1.7
MW324 2.29-2.90
MW202 ~2.4-3.6

MW119A	BH119A SS6
	12-Aug-2024
	3.81 - 4.57
PHC F2	327

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX - DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 7B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.13-0.46 1.524-1.98
BH121 0.13-0.61 ~2.06-2.75
MW118 0.16-0.75
MW116 0.2-0.9
TP128 1.65-1.75
MW129 0.3-1.14 1.52-2.46
MW102 0.1-1.07 1.524-2.72
BH104 0.15-0.69 1.52-2.69
MW130 0.05-0.64 1.52-2.08 3.05-3.35
MW131 0.2-0.5 0.66-0.99 1.52-2.14
BH105 0.51-0.79 ~1.52-1.85 3.05-3.45
BH119 0.36-0.89 ~1.72-2.28
TP104 ~0.3-0.8 0.8-0.9
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
BH107 0.05-0.56 1.52-2.03
MW107 0.1-1.09 1.52-2.56
BH124 0.09-1.25 1.25-1.52 1.52-1.98
BH110 0.08-0.35 0.97-1.25 1.52-2.13
MW312 0.76-1.37
BH111 0.08-0.49 1.07-1.5 1.52-2.03
D2 0-0.2
BH134 0.12-0.32 1.22-1.57
BH140 0.61-0.96
TP103 0.5-1.1 1.1-1.4
MW137 0.85-1.1
BH106 0.51-0.97 1.52-2.23
MW313 2.29-2.90
D1 0-0.2
MW117 0-0.7
BH132 1.22-1.7
BH133 0.1-0.43 1.22-1.76
MW120 0-0.7
BH131 0.19-0.66 1.22-1.62
BH130 ~1.22-1.86 2.44-2.65 0.18-0.91
BH206 3.1-3.4
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW128 0.2-0.85
BH127 0.2-0.5 0.5-1.25
BH129 0.38-1.54 1.54-2.44
BH128 0.14-1.08 1.52-2.15
MW105 0.1-0.57 1.5-2.25
MW127 0.1-0.45
TP138 0.5-0.6
MW207 2.0-2.4
MW126 0.1-0.35 1.52-1.8
MW106 0.08-0.84 1.52-1.82

BH134	BH134-1	BH134-2
	9-Aug-2013	9-Aug-2013
	0.12 - 0.32	1.22 - 1.57
PHC F2	10	200

D1	D1-0-0.2
	23-Jul-2013
	0 - 0.2
PHC F3	3600
PHC F4	20000

BH129	BH129-2	BH129-3
	8-Aug-2013	8-Aug-2013
	0.38 - 1.54	1.54 - 2.44
PHC F1	87	47

TP138	TP138-1
	8-Oct-2013
	0.5 - 0.6
PHC F2	1300

MW207	MW207 S3
	4-Feb-2015
	2.0 - 2.4
PHC F1	66
PHC F2	200

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs
- AREA OF CONTAMINATION (PHCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX - DETAIL MAP 3

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 7C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

TP122	TP122-1	TPW-1	TP122-2
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0.1 - 0.5	Field Duplicate of TP122-1	0.7 - 0.8
PHC F2	56	230	< 10
PHC F3	1100	3700	< 50

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Toluene	220	9.8
PHC F1	3500	22
PHC F2	260	11
PHC F3	7000	< 50

BH113 0.07-1.0
MW134 0.1-0.7 2-2.6
BH123 0.05-0.75 ~0.8-1.22
TP122 ~0.1-0.5 0.7-0.8
MW320 2.29-2.90
MW148S 0.82-1.37 1.52-1.98 ~2.35-2.74
TP121 0-0.2 0.2-0.6 1-1.3
TP125 0-0.7 0.7-1
TP124 ~0-0.5 0.6-0.7
TP120 0-0.2 0.55-0.8 1.25-1.4
TP119 0.2-0.6 0.6-1.7
BH114 0.61-0.85 1.52-2.15
MW135 0-0.55
TP123 0-0.25 0.3-0.6
MW322 0.76-1.37
TP118 0.2-1.4
MW201 ~2.0-2.7
MW325 2.29-2.90
BH139 0.61-1.22 ~1.57-1.83
MW205 2.0-2.4
MW110D 0.11-0.64 1.52-2.39
BH112 0.18-0.99 1.52-2.54
BH136 0.75-1.22 1.9-2.2
BH116 0.16-0.61 ~1.65-4.02 4.02-4.57
MW114 0.07-0.61 2-2.5 2.5-2.85
MW123 0.17-0.62 3.05-3.75
MW141 0.8-1.3 1.6-1.8
TP110 1.4-1.55
TP109 0.07-0.2 0.3-1 1.85-2
BH135 1.22-1.75 2-2.4
MW327 ~2.29-2.90
MW124 0.2-1.22 1.6-2.4
TP115 0.15-0.5 0.9-1.25
TP117 0.5-0.75 1-1.4
BH115 0.2-0.75 1.52-2.1
TP116 0-0.23 0.23-0.55
MW136 1.3-1.5 2.14-2.44

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs
- AREA OF CONTAMINATION (PHCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX - DETAIL MAP 3

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 7D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

D3 0-0.2
TP105 0.1-0.85 0.85-1.03
BH109 ~0-1.14 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
D4 0-0.2
MW108 0.13-1.07 1.52-1.95
TP101 0.3-0.85 1.4-1.75
MW326 2.29-2.90
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
TP201 2.0
MW337 0.76-1.37 1.52-2.13
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP202 1.5
TP203 1.5
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
D7 0-0.2
TP204 0.5 2.0
MW149 1.2-1.5 2.4-3
MW144 1.5-2.3 2.3-2.9
TP113 1-1.3 1.6-1.75
TP205 0.5 2.0
MW328 3.05-3.66
TP114 0.15-0.8
TP111 0.5-0.85 1.4-1.65 1.7-1.9 1.9-2.1
TP112 0.3-0.6 1.5-1.7
MW323 3.05-3.66
TP108 0.09-0.35 0.35-0.75
MW125 0-0.76 2.28-2.6

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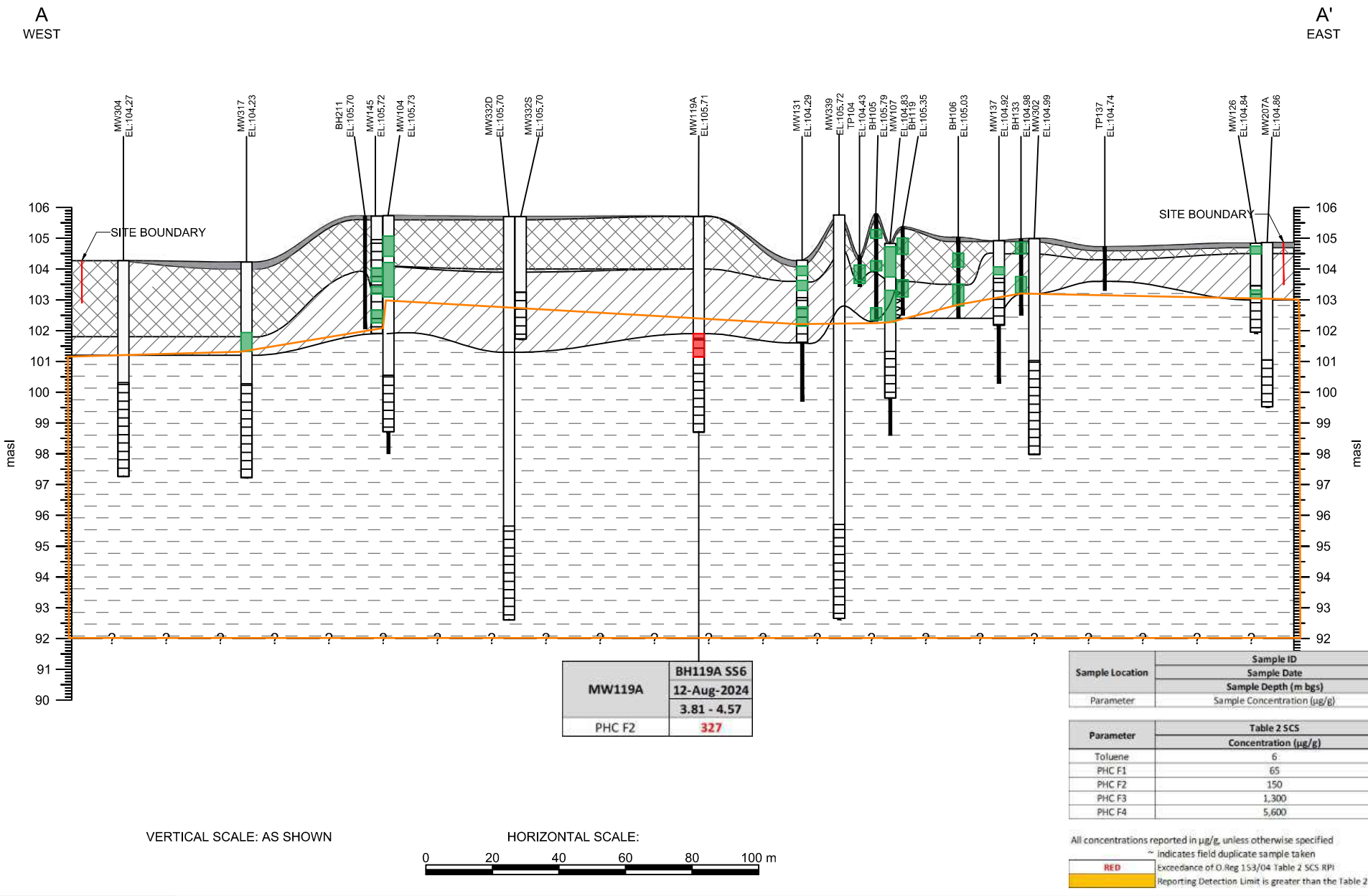
0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX - DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 7E



MW119A	BH119A SS6
	12-Aug-2024
	3.81 - 4.57
PHC F2	327

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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LEGEND:
- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs AND BTEX
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs AND BTEX
- ESTIMATED EXTENT OF CONTAMINATED SOIL

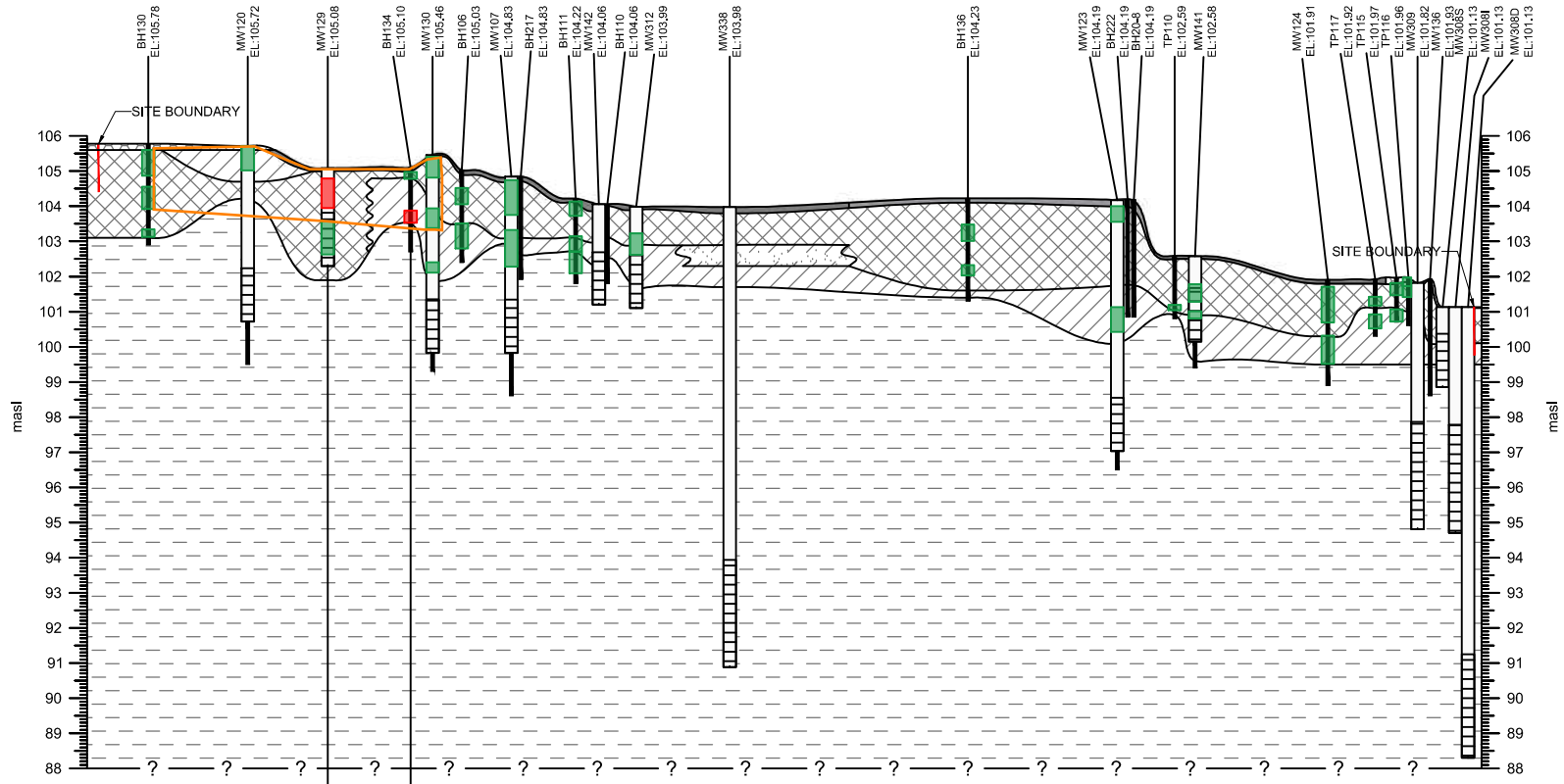
TITLE AND LOCATION:
CROSS SECTION A-A'
SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 7F

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

C
NORTHEAST

C'
SOUTHWEST



BH129	BH129-2	BH129-3
	8-Aug-2013	8-Aug-2013
	0.38 - 1.54	1.54 - 2.44
PHC F1	87	47

BH134	BH134-1	BH134-2
	9-Aug-2013	9-Aug-2013
	0.12 - 0.32	1.22 - 1.57
PHC F2	10	200

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

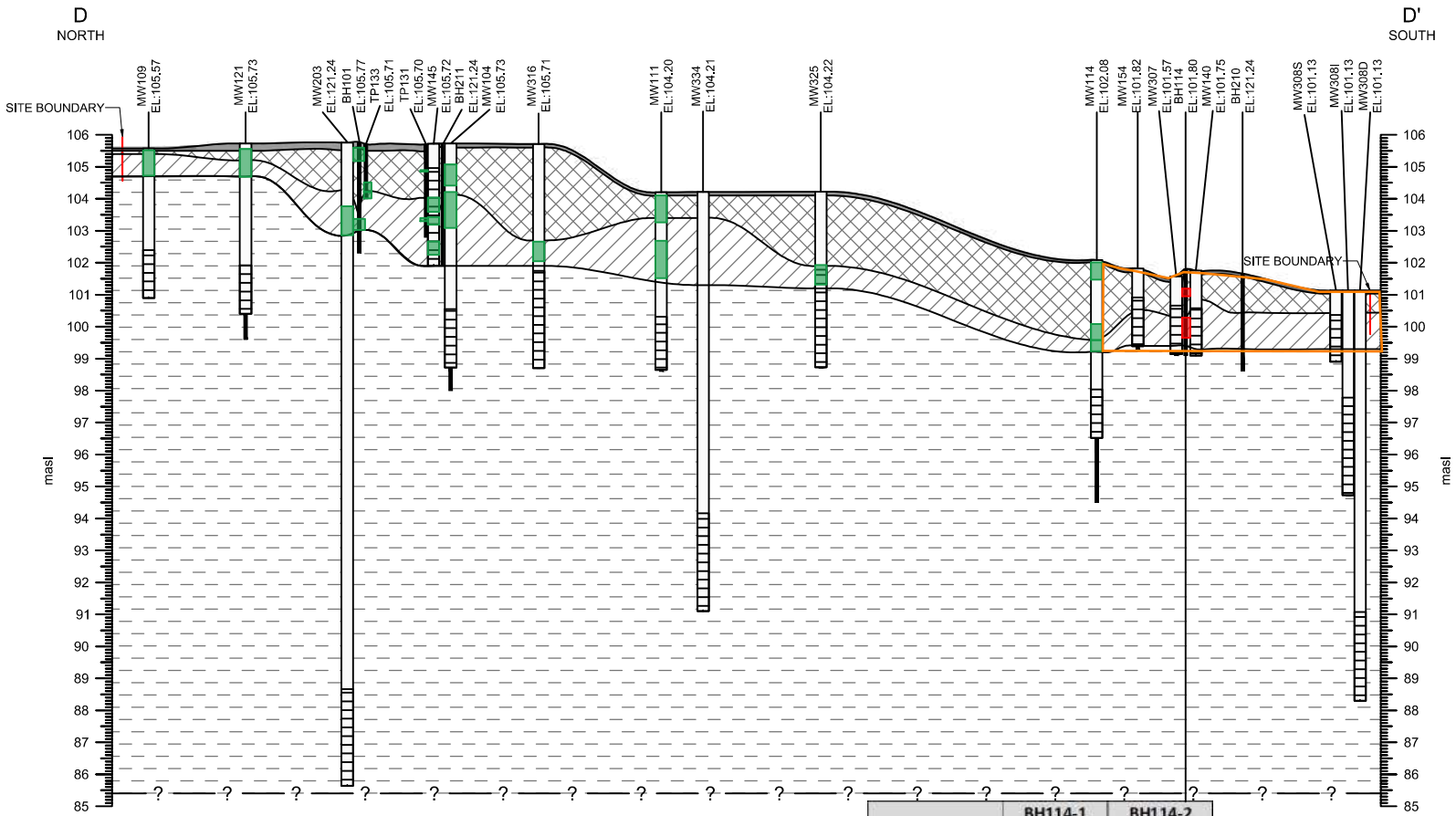
- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs AND BTEX
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs AND BTEX
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION C-C'
SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	7G

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg



BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Toluene	220	9.8
PHC F1	3500	22
PHC F2	260	11
PHC F3	7000	< 50

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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LEGEND:
- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs AND BTEX
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs AND BTEX
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:
CROSS SECTION D-D'
SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 7H

\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

N SERVICE RD E

S SERVICE RD E

REFER TO FIGURE 8B

REFER TO FIGURE 8C

REFER TO FIGURE 8D

REFER TO FIGURE 8E

DAVIS RD

TOO

CHARTWELL RD

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION (VOCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
VOLATILE ORGANIC COMPOUNDS (VOCs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 8A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY
S SERVICE RD E
DAVIS RD

MW109 0.05-0.85
MW133 0.18-1.07 1.52-2.29
MW132D ~0.05-1.02 1.63-2.24
BH141 ~0.16-0.35 0.85-1.22
MW121 0.18-1.04
TP129 1-1.1 1.15-1.25
TP130 0.9-1 1.1-1.2
TP127 2.1-2.3
MW314 1.52-2.13
MW122 0-0.92
MW203 ~2.0-2.9
MW103 0.13-0.97 1.54-2.21
BH103 0.1-0.92
BH101 0.17-0.59 2.4-2.75
TP133 ~1.2-1.5 1.5-1.7
TP134 1.1-1.2 1.35-1.5
TP131 0.8-0.85 2.3-2.4
BH122 1.52-2.33 2.34-2.87
MW145 2.29-2.53 3.05-3.47
MW104 0.66-1.32 1.52-2.64
BH102 0.13-0.58 1.78-2.43
MW315 3.05-3.66
MW119D 0.12-0.92 3.5-3.95
MW317 2.29-2.90
MW112 0.05-1.7
MW316 3.05-3.66
MW204 1.2-2.4
TP126 1.8-1.9
MW139 0.7-0.92
BH138 0.75-1.22 1.22-1.41
MW111 0.1-0.94 1.52-2.69
MW319 ~1.52-2.13
BH137 0.8-1.1 1.3-1.7
MW324 2.29-2.90
MW202 ~2.4-3.6

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION (VOCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
VOLATILE ORGANIC COMPOUNDS (VOCs)
- DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 8B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.13-0.46 1.524-1.98
BH121 0.13-0.61 ~2.06-2.75
MW116 0.2-0.9
TP128 1.65-1.75
MW129 0.3-1.14 1.52-2.46
BH104 0.15-0.69 1.52-2.69
MW102 0.1-1.07 ~1.524-2.72
MW118 0.16-0.75
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
MW130 0.05-0.64 1.52-2.08 3.05-3.35
BH134 0.12-0.32 1.22-1.57
BH133 0.1-0.48 1.22-1.76
MW137 0.85-1.1
MW131 0.2-0.5 0.66-0.99 1.52-2.14
TP104 0.3-0.8 0.8-0.9
BH119 0.36-0.89 ~1.72-2.28
BH106 0.51-0.97 1.52-2.23
MW107 0.1-1.09 1.52-2.56
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
BH107 0.05-0.56 1.52-2.03
BH111 0.08-0.49 1.07-1.5 1.52-2.03
MW313 2.29-2.90
BH140 0.61-0.96
BH110 0.08-0.35 0.97-1.25 1.52-2.13
D1 0-0.2
TP103 0.5-1.1 1.1-1.4
BH124 0.09-1.25 1.25-1.52 1.52-1.98
MW312 0.76-1.37
D2 0-0.2
MW117 0-0.7
BH130 ~1.22-1.86 2.44-2.65 0.18-0.91
BH206 ~3.1-3.4
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW120 0-0.7
BH131 0.19-0.66 1.22-1.62
BH132 1.22-1.7
MW128 0.2-0.85
BH128 0.14-1.08 1.52-2.15
BH127 0.2-0.5 0.5-1.25
MW105 0.1-0.57 1.5-2.25
MW127 0.1-0.45
BH129 0.38-1.54 1.54-2.44
TP138 0.5-0.6
MW106 0.08-0.84 1.52-1.82
MW207 2.0-2.4
MW126 0.1-0.35 1.52-1.8

BH105	BH-105 SA1	BH-105 SA2A	BH-105 SA2B	BH-105 SA3
	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.51 - 0.79	1.52 - 1.85	1.85 - 2.64	3.05 - 3.45
Trichloroethylene	< 0.050	< 0.050	< 0.050	1.2

BH119	BH119-SA1B	BH119-SA2B	DUP1
	1-Aug-2013	1-Aug-2013	1-Aug-2013
	0.36 - 0.89	1.72 - 2.28	Field Duplicate of BH119-SA2B
Trichloroethylene	< 0.050	1.6	1.3

MW131	MW131 SA1A	MW131 SA1B	MW131 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.2 - 0.5	0.66 - 0.99	1.52 - 2.14
Trichloroethylene	< 0.050	< 0.050	0.53

BH110	BH110SA1A	BH110 SA1B	BH110 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13
Trichloroethylene	< 0.050	0.21	19
Vinyl Chloride	< 0.020	< 0.020	0.078

BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
Trichloroethylene	< 0.050	< 0.050	13

MW126	MW126-1	MW126-2
	15-Jul-2013	15-Jul-2013
	0.1 - 0.35	1.52 - 1.8
1,1,2,2-Tetrachloroethane	< 0.30	< 0.30

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N

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION (VOCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs) - DETAIL MAP 2

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 8C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

MW148S	MW148-S SA3	MW148-S SA4B	DUP-5
	7-Oct-2013	7-Oct-2013	7-Oct-2013
	1.52 - 1.98	2.35 - 2.74	Field Duplicate of MW148-S SA4B
Vinyl Chloride	< 0.020	0.3	0.25

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
1,1,2,2-Tetrachloroethane	< 0.28	< 0.050
1,1,2-Trichloroethane	< 0.070	< 0.050
Vinyl Chloride	< 0.020	0.17

MW201	MW201 S4	DUP-1
	29-Jan-2015	29-Jan-2015
	2.0 - 2.7	Field Duplicate of MW201 S4
1,1-Dichloroethylene	<0.050	0.089
1,1,2-Trichloroethane	0.14	0.44
Trichloroethylene	1.5	1.9
Vinyl Chloride	<0.020	0.038

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION (VOCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs) - DETAIL MAP 3

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 8D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

D5	D5-0-0.1
	24-Jul-2013
	0 - 0.1
Bromomethane	< 0.10
1,4-Dichlorobenzene	< 0.10
1,2-Dichloroethane	< 0.10
1,1-Dichloroethylene	< 0.10
Ethylene Dibromide (1,2-Dibromoethane)	< 0.10
1,1,1,2-Tetrachloroethane	< 0.10
1,1,2,2-Tetrachloroethane	< 0.10
1,1,2-Trichloroethane	< 0.10
1,3-Dichloropropene	< 0.10

TP107	TP107-1	TP107-2	TP107-3
	23-Jul-2013	23-Jul-2013	23-Jul-2013
	0.09 - 0.4	0.4 - 0.95	1 - 1.45
Trichloroethylene	< 0.050	4.3	< 0.050

MW125	MW125-1	MW125-2
	8-Jul-2013	8-Jul-2013
	0 - 0.76	2.28 - 2.6
Bromomethane	< 0.10	< 0.050
1,4-Dichlorobenzene	< 0.10	< 0.050
1,2-Dichloroethane	< 0.10	< 0.050
1,1-Dichloroethylene	< 0.10	< 0.050
1,2-Dichloropropane	< 0.10	< 0.050
Ethylene Dibromide (1,2-Dibromoethane)	< 0.10	< 0.050
1,1,1,2-Tetrachloroethane	< 0.10	< 0.050
1,1,2,2-Tetrachloroethane	< 0.10	< 0.050
1,1,2-Trichloroethane	< 0.10	< 0.050
1,3-Dichloropropene	< 0.10	< 0.050

TP105 0.1-0.85 0.85-1.03
D3 0-0.2
BH109 0-1.14 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
MW108 0.13-1.07 1.52-1.95
D4 0-0.2
TP101 0.3-0.85 1.4-1.75
MW326 2.29-2.90
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
TP201 2.0
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP203 1.5
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
D7 0-0.2
MW149 1.2-1.5 2.4-3
MW144 1.5-2.3 2.3-2.9
TP113 1-1.3 1.6-1.75
TP205 0.5
MW328 3.05-3.66
TP114 0.15-0.8
TP112 0.3-0.6 1.5-1.7
TP111 0.5-0.85 1.4-1.65 1.7-1.9 1.9-2.1
MW323 3.05-3.66
TP108 0.09-0.35 0.35-0.75
MW125 0-0.76 2.28-2.6

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION (VOCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

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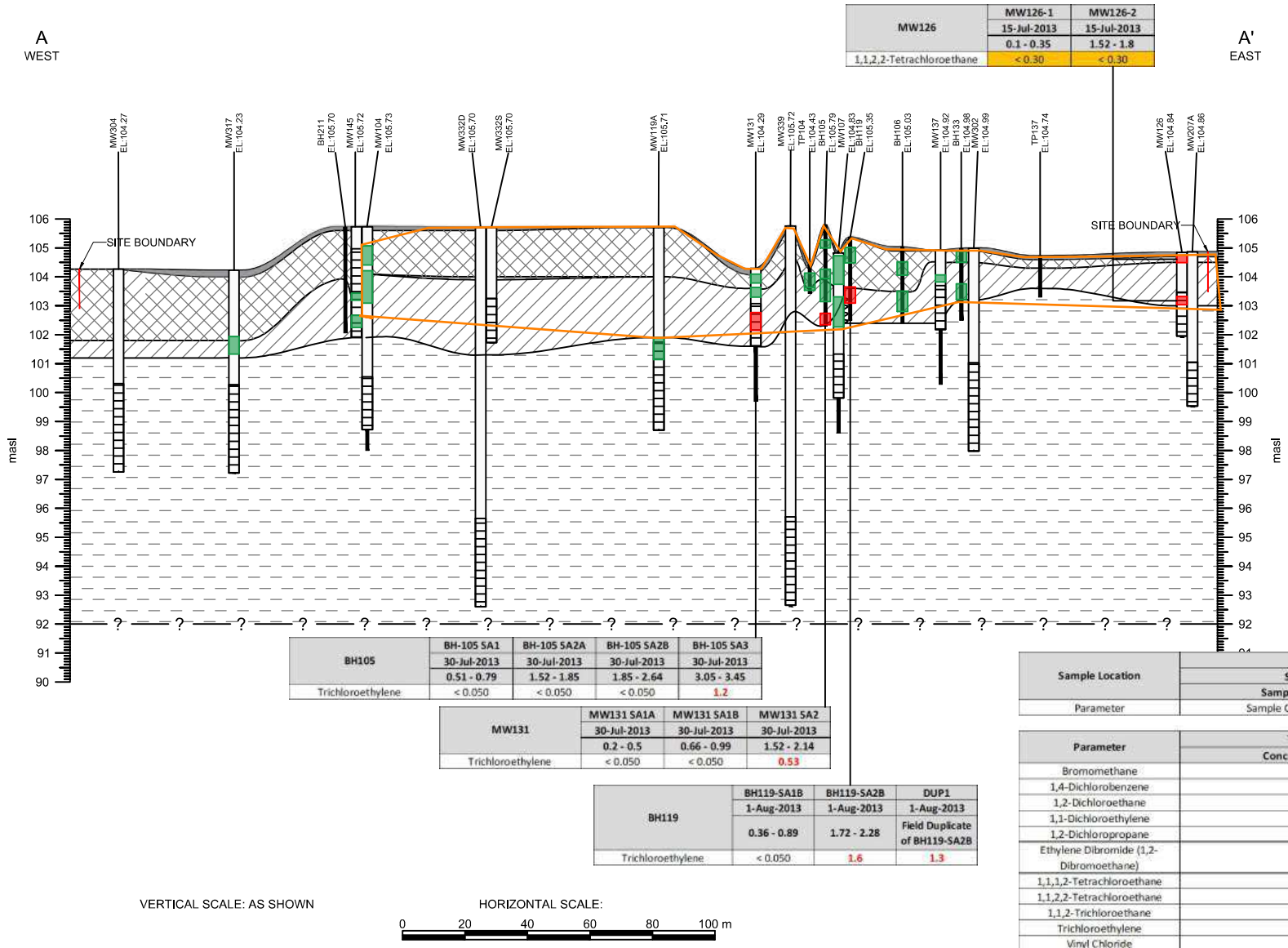
TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
VOLATILE ORGANIC COMPOUNDS (VOCs)
- DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	8E



MW126	MW126-1	MW126-2
	15-Jul-2013	15-Jul-2013
	0.1 - 0.35	1.52 - 1.8
1,1,2,2-Tetrachloroethane	< 0.30	< 0.30

BH105	BH-105 SA1	BH-105 SA2A	BH-105 SA2B	BH-105 SA3
	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.51 - 0.79	1.52 - 1.85	1.85 - 2.64	3.05 - 3.45
Trichloroethylene	< 0.050	< 0.050	< 0.050	1.2

MW131	MW131 SA1A	MW131 SA1B	MW131 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.2 - 0.5	0.66 - 0.99	1.52 - 2.14
Trichloroethylene	< 0.050	< 0.050	0.53

BH119	BH119-SA1B	BH119-SA2B	DUP1
	1-Aug-2013	1-Aug-2013	1-Aug-2013
	0.36 - 0.89	1.72 - 2.28	Field Duplicate of BH119-SA2B
Trichloroethylene	< 0.050	1.6	1.3

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

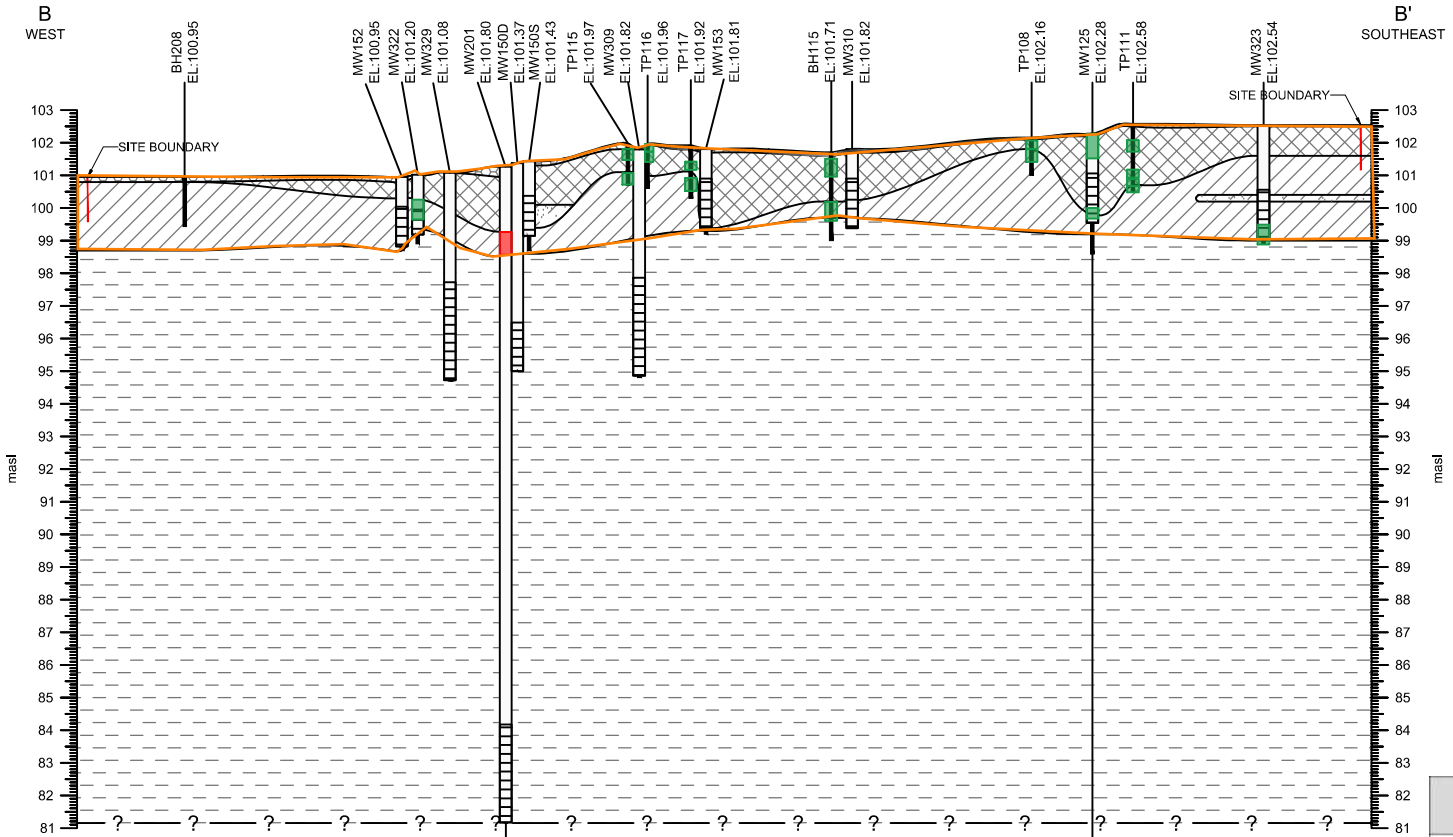
- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION A-A'
SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 8F

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg



MW201	MW201 S4	DUP-1
	29-Jan-2015	29-Jan-2015
	2.0 - 2.7	Field Duplicate of MW201 S4
1,1-Dichloroethylene	<0.050	0.089
1,1,2-Trichloroethane	0.14	0.44
Trichloroethylene	1.5	1.9
Vinyl Chloride	<0.020	0.038

MW125	MW125-1	MW125-2
	8-Jul-2013	8-Jul-2013
	0 - 0.76	2.28 - 2.6
Bromomethane	< 0.10	< 0.050
1,4-Dichlorobenzene	< 0.10	< 0.050
1,2-Dichloroethane	< 0.10	< 0.050
1,1-Dichloroethylene	< 0.10	< 0.050
1,2-Dichloropropane	< 0.10	< 0.050
Ethylene Dibromide (1,2-Dibromoethane)	< 0.10	< 0.050
1,1,1,2-Tetrachloroethane	< 0.10	< 0.050
1,1,2,2-Tetrachloroethane	< 0.10	< 0.050
1,1,2-Trichloroethane	< 0.10	< 0.050
1,3-Dichloropropene	< 0.10	< 0.050

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 10 20 30 40 50 60 m

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LEGEND:

- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

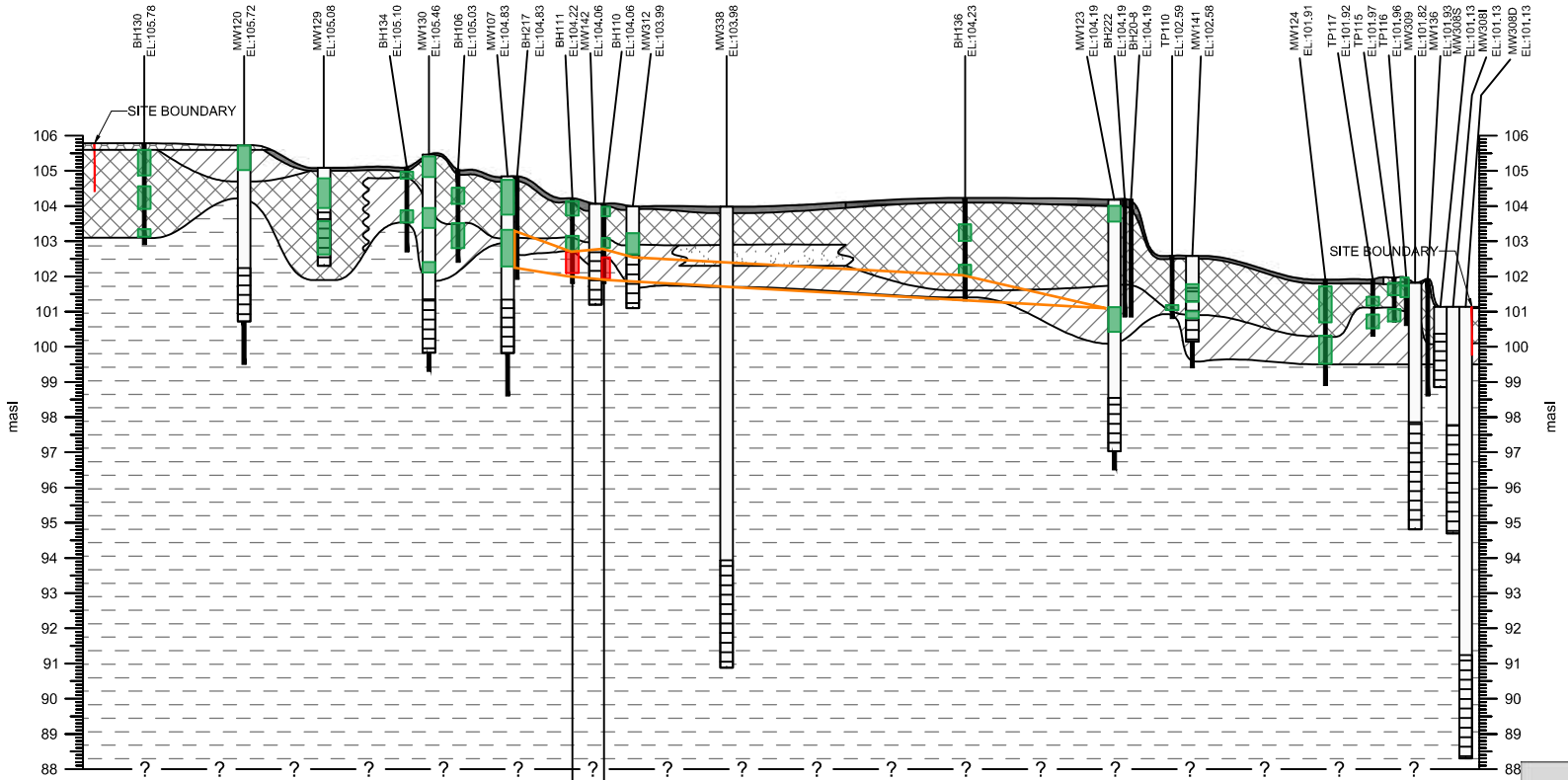
CROSS SECTION B-B'
SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 8G

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

C
NORTHEAST

C'
SOUTHWEST



BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
Trichloroethylene	< 0.050	< 0.050	13

BH110	BH110SA1A	BH110 SA1B	BH110 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13
Trichloroethylene	< 0.050	0.21	19
Vinyl Chloride	< 0.020	< 0.020	0.078

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED: Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

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LEGEND:

- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION C-C'
SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	8H

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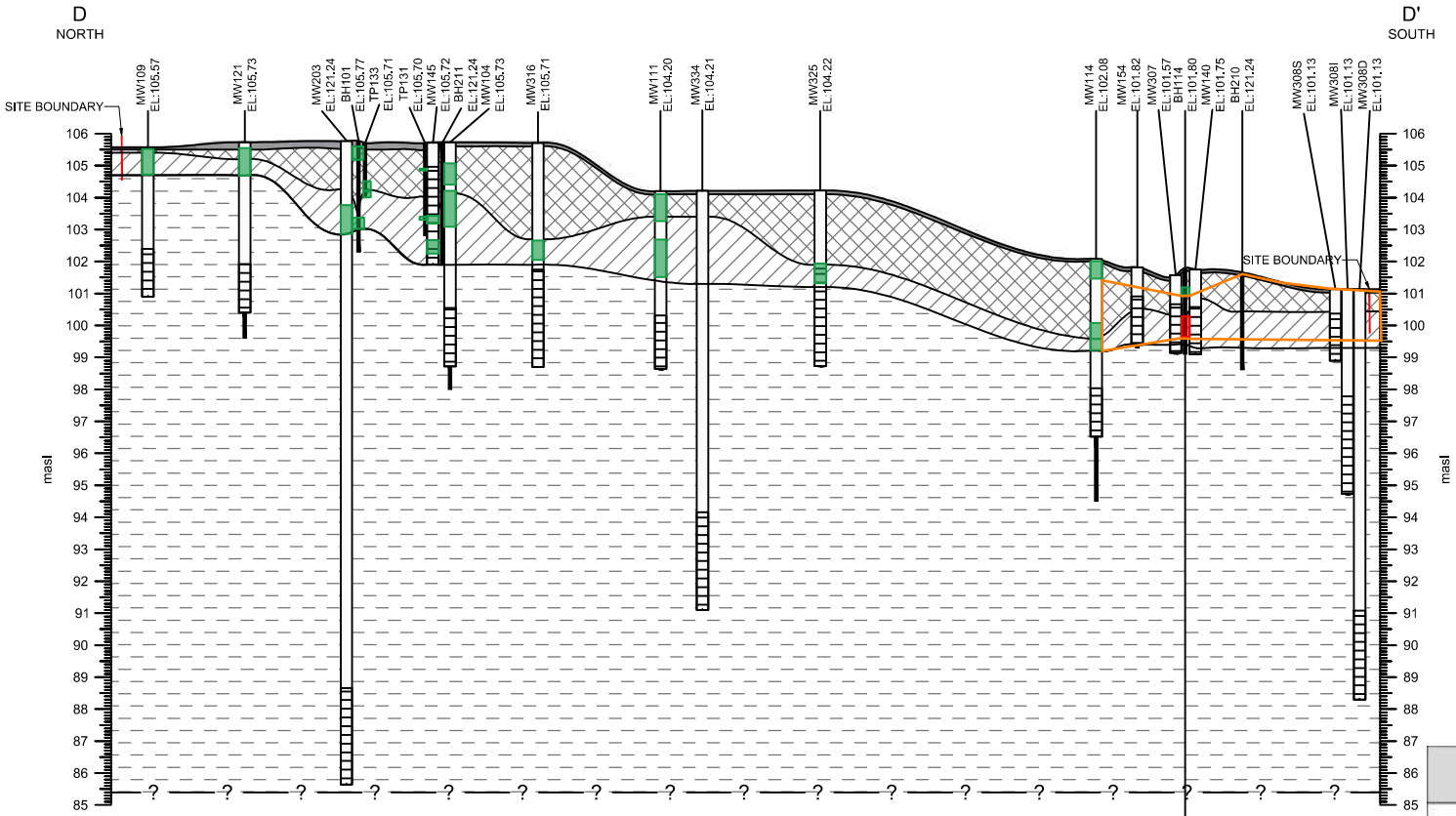

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
1,1,2,2-Tetrachloroethane	< 0.28	< 0.050
1,1,2-Trichloroethane	< 0.070	< 0.050
Vinyl Chloride	< 0.020	0.17

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED Exceedance of O.Reg 153/04 Table 2 SCS RPI

Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION D-D'
SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 8I

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Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
	Reporting Detection Limit is greater than the Table 2 SCS

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- AREA OF CONTAMINATION (PAHs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 9A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
	Reporting Detection Limit is greater than the Table 2 SCS

MW145	MW145 SA4A	MW145 SA5
	9-Oct-2013	9-Oct-2013
	2.29 - 2.53	3.05 - 3.47
Benzo(a)pyrene	0.5	< 0.0050

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S SERVICE RD E

DAVIS RD

MW109 0.05-0.85
MW133 0.18-1.07 1.52-2.29
MW132D ~0.05-1.02 1.63-2.24
MW121 0.18-1.04
TP129 1-1.1 1.15-1.25
BH141 ~0.16-0.35 0.85-1.22
TP130 0.9-1 1.1-1.2
TP127 2.1-2.3
MW122 0-0.92
MW203 0.3-1.5
MW103 0.13-0.97 1.54-2.21
BH101 0.17-0.59 2.4-2.75
TP133 ~1.2-1.5 1.5-1.7
TP134 1.1-1.2 1.35-1.5
BH103 0.1-0.92
BH122 1.52-2.33 2.34-2.87
TP131 0.8-0.85 2.3-2.4
BH102 0.13-0.58 1.78-2.43
MW119D 0.12-0.92 3.5-3.95
MW145 2.29-2.53 3.05-3.47
MW104 0.66-1.32 1.52-2.64
MW112 0.05-1.7
MW204 0.2-0.6
TP126 ~1.8-1.9
MW139 0.7-0.92
BH138 0.75-1.22 1.22-1.41
MW111 0.1-0.94 1.52-2.69
BH137 0.8-1.1 1.3-1.7
MW202 ~0.6-1.2

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- AREA OF CONTAMINATION (PAHs IN SOIL)
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) - DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 9B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
	Reporting Detection Limit is greater than the Table 2 SCS

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MW115 0.2-0.8
MW117 0-0.7
BH130 1.22-1.86 2.44-2.65 0.18-0.91
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW101 0.13-0.46 1.524-1.98
MW116 0.2-0.9
BH121 0.13-0.61 2.06-2.75
MW120 0-0.7
BH131 0.19-0.66 1.22-1.62
BH128 0.14-1.08 1.52-2.15
BH127 0.2-0.5 0.5-1.25
MW128 0.2-0.85
MW105 0.1-0.57 1.5-2.25
MW127 0.1-0.45
TP128 1.65-1.75
MW129 0.3-1.14 1.52-2.46
BH132 1.22-1.7
BH129 0.38-1.54 1.54-2.44
TP138 0.5-0.6
BH120 0.13-0.43
MW102 0.1-1.07 1.524-2.72
BH104 0.15-0.69 1.52-2.69
MW118 0.16-0.75
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
MW130 0.05-0.64 1.52-2.08
BH134 0.12-0.32 1.22-1.57
BH133 0.1-0.48 1.22-1.76
MW137 0.85-1.1
MW131 0.2-0.5 0.66-0.99 1.52-2.14
TP104 0.3-0.8 0.8-0.9
BH119 0.36-0.89 ~1.72-2.28
MW207 0.5-1.5
MW126 0.1-0.35 1.52-1.8
BH106 0.51-0.97 1.52-2.23
MW106 0.08-0.84 1.52-1.82
MW107 0.1-1.09 1.52-2.56
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
BH107 0.05-0.56 1.52-2.03
D1 0-0.2
BH140 0.61-0.96
TP103 0.5-1.1 1.1-1.4
BH124 0.09-1.25 1.52-1.98
BH110 0.08-0.35 0.97-1.25 1.52-2.13
BH111 0.08-0.49 1.07-1.5 1.52-2.03
D2 0-0.2

MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
Benzo(a)pyrene	0.34	< 0.0050
Fluoranthene	1.1	0.0064

D1	D1-0-0.2
	23-Jul-2013
	0 - 0.2
Benzo(a)anthracene	1.8
Benzo(a)pyrene	1.2
Benzo(b/j)fluoranthene	1.9
Dibenz(a,h)anthracene	0.12
Fluoranthene	4.9
Indeno(1,2,3-cd)pyrene	0.52

TP103	TP103-1	TP103-2
	22-Jul-2013	22-Jul-2013
	0.5 - 1.1	1.1 - 1.4
Anthracene	0.88	< 0.0050
Benzo(a)anthracene	2	< 0.0050
Benzo(a)pyrene	1.6	< 0.0050
Benzo(b/j)fluoranthene	2.5	< 0.0050
Dibenz(a,h)anthracene	0.22	< 0.0050
Fluoranthene	4.5	< 0.0050
Indeno(1,2,3-cd)pyrene	0.93	< 0.0050

D2	D2-0-0.2
	24-Jul-2013
	0 - 0.2
Benzo(a)pyrene	0.4
Fluoranthene	1.1

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N

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- AREA OF CONTAMINATION (PAHs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) - DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 9C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
	Reporting Detection Limit is greater than the Table 2 SCS

MW134	MW134-1	MW134-2
	6-Aug-2013	6-Aug-2013
	0.1 - 0.7	2 - 2.6
Benzo(a)pyrene	0.52	< 0.0050
Fluoranthene	1.2	< 0.0050

TP121	TP121-1	TP121-2	TP121-3
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0 - 0.2	0.2 - 0.6	1 - 1.3
Benzo(a)anthracene	1	0.037	< 0.0050
Benzo(a)pyrene	0.99	0.038	< 0.0050
Benzo(b/j)fluoranthene	1.4	0.044	< 0.0050
Dibenz(a,h)anthracene	0.15	< 0.0050	< 0.0050
Fluoranthene	2.5	0.085	0.0059
Indeno(1,2,3-cd)pyrene	0.63	0.029	< 0.0050

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
Anthracene	1.3	< 0.0050	< 0.0050
Benzo(a)anthracene	3.7	0.0055	< 0.0050
Benzo(a)pyrene	3.2	< 0.0050	< 0.0050
Benzo(b/j)fluoranthene	4	< 0.0050	< 0.0050
Benzo(k)fluoranthene	1.6	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.55	< 0.0050	< 0.0050
Fluoranthene	6.6	0.077	0.0058
Indeno(1,2,3-cd)pyrene	2	< 0.0050	< 0.0050

TP122	TP122-1	TPW-1	TP122-2
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0.1 - 0.5	Field Duplicate of TP122-1	0.7 - 0.8
Anthracene	0.2	1.2	< 0.0050
Benzo(a)anthracene	0.47	2.1	0.013
Benzo(a)pyrene	0.41	1.7	0.012
Benzo(b/j)fluoranthene	0.53	1.9	0.023
Dibenz(a,h)anthracene	0.059	0.17	< 0.0050
Fluoranthene	1.2	5.4	0.035
Indeno(1,2,3-cd)pyrene	0.24	0.8	0.011

BH135	BH135-1	BH135-2
	13-Aug-2013	13-Aug-2013
	1.22 - 1.75	2 - 2.4
Benzo(a)pyrene	0.49	0.2
Fluoranthene	1.4	0.56

BH115	BH115-1	BH115-2
	3-Jul-2013	3-Jul-2013
	0.2 - 0.75	1.52 - 2.1
Benzo(a)anthracene	1.2	< 0.0050
Benzo(a)pyrene	1	< 0.0050
Benzo(b/j)fluoranthene	1.4	< 0.0050
Dibenz(a,h)anthracene	0.18	< 0.0050
Fluoranthene	2.6	< 0.0050
Indeno(1,2,3-cd)pyrene	0.64	< 0.0050

TP109	TP109-1	TP109-2	TP109-3
	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.07 - 0.2	0.3 - 1	1.85 - 2
Fluoranthene	0.14	0.9	< 0.0050

TP110	TP110-1	TPR-1
	24-Jul-2013	24-Jul-2013
	1.4 - 1.55	Field Duplicate of TP110-1
Acenaphthylene	< 1.3	< 0.0050
Anthracene	6.3	0.066
Benzo(a)anthracene	21	0.22
Benzo(a)pyrene	16	0.17
Benzo(b/j)fluoranthene	27	0.22
Benzo(ghi)perylene	11	0.092
Benzo(k)fluoranthene	11	0.077
Chrysene	21	0.19
Dibenz(a,h)anthracene	2.5	0.023
Fluoranthene	61	0.46
Indeno(1,2,3-cd)pyrene	12	0.11
Naphthalene	< 1.3	0.016
Phenanthrene	47	0.2

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N

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- AREA OF CONTAMINATION (PAHs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) - DETAIL MAP 3

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 9D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
	Reporting Detection Limit is greater than the Table 2 SCS

D3	D3-0-0.2
	24-Jul-2013
	0 - 0.2
Fluoranthene	0.7

BH117	BH117 SA1A	BH117SA1B	BH117SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.59	1.35 - 1.52	1.52 - 1.82
Fluoranthene	0.99	< 0.0050	0.0076

D5	D5-0-0.1
	24-Jul-2013
	0 - 0.1
Benzo(a)pyrene	0.34
Fluoranthene	1.2

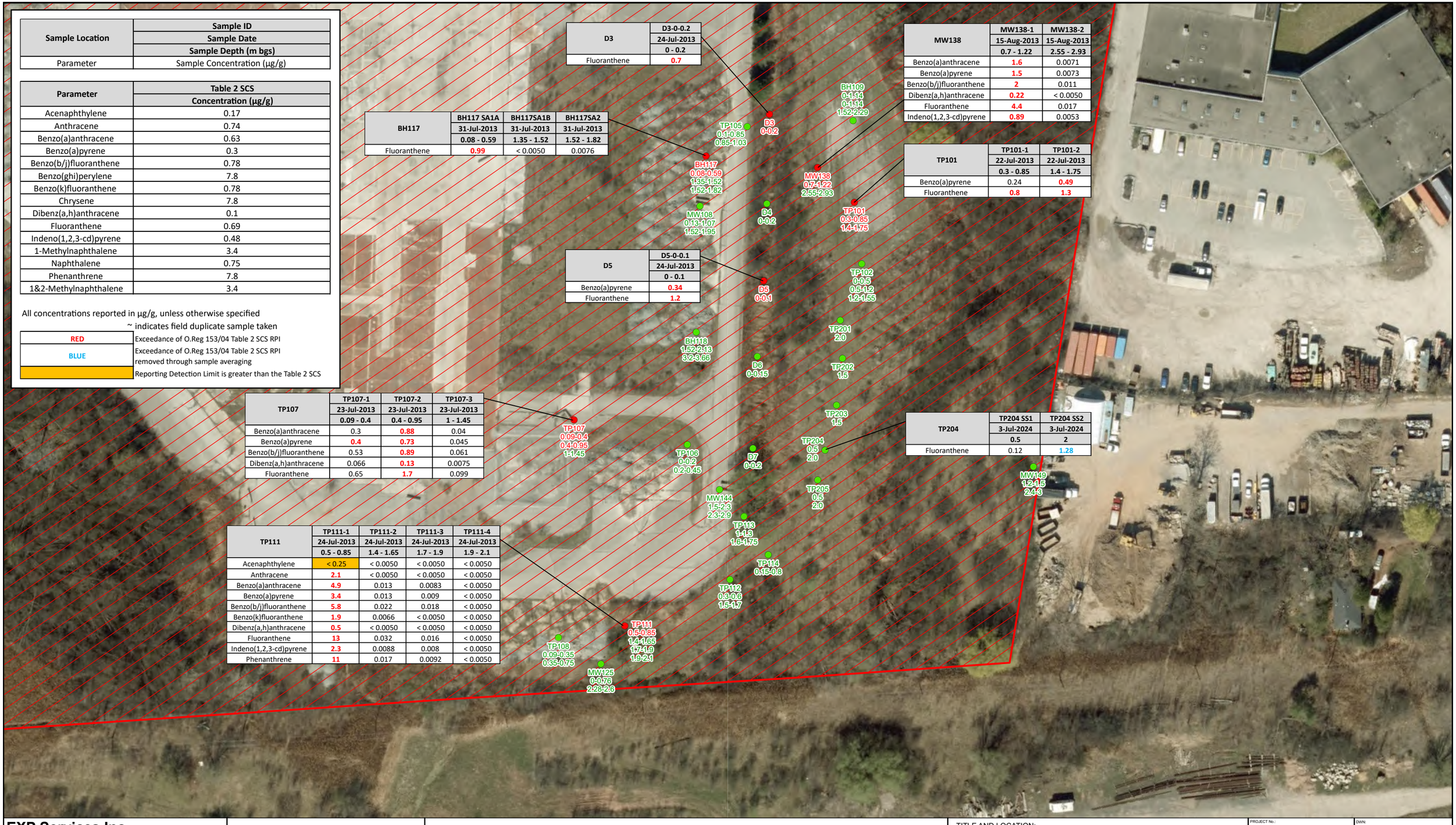
TP107	TP107-1	TP107-2	TP107-3
	23-Jul-2013	23-Jul-2013	23-Jul-2013
	0.09 - 0.4	0.4 - 0.95	1 - 1.45
Benzo(a)anthracene	0.3	0.88	0.04
Benzo(a)pyrene	0.4	0.73	0.045
Benzo(b/j)fluoranthene	0.53	0.89	0.061
Dibenz(a,h)anthracene	0.066	0.13	0.0075
Fluoranthene	0.65	1.7	0.099

TP111	TP111-1	TP111-2	TP111-3	TP111-4
	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.5 - 0.85	1.4 - 1.65	1.7 - 1.9	1.9 - 2.1
Acenaphthylene	< 0.25	< 0.0050	< 0.0050	< 0.0050
Anthracene	2.1	< 0.0050	< 0.0050	< 0.0050
Benzo(a)anthracene	4.9	0.013	0.0083	< 0.0050
Benzo(a)pyrene	3.4	0.013	0.009	< 0.0050
Benzo(b/j)fluoranthene	5.8	0.022	0.018	< 0.0050
Benzo(k)fluoranthene	1.9	0.0066	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.5	< 0.0050	< 0.0050	< 0.0050
Fluoranthene	13	0.032	0.016	< 0.0050
Indeno(1,2,3-cd)pyrene	2.3	0.0088	0.008	< 0.0050
Phenanthrene	11	0.017	0.0092	< 0.0050

MW138	MW138-1	MW138-2
	15-Aug-2013	15-Aug-2013
	0.7 - 1.22	2.55 - 2.93
Benzo(a)anthracene	1.6	0.0071
Benzo(a)pyrene	1.5	0.0073
Benzo(b/j)fluoranthene	2	0.011
Dibenz(a,h)anthracene	0.22	< 0.0050
Fluoranthene	4.4	0.017
Indeno(1,2,3-cd)pyrene	0.89	0.0053

TP101	TP101-1	TP101-2
	22-Jul-2013	22-Jul-2013
	0.3 - 0.85	1.4 - 1.75
Benzo(a)pyrene	0.24	0.49
Fluoranthene	0.8	1.3

TP204	TP204 SS1	TP204 SS2
	3-Jul-2024	3-Jul-2024
	0.5	2
Fluoranthene	0.12	1.28



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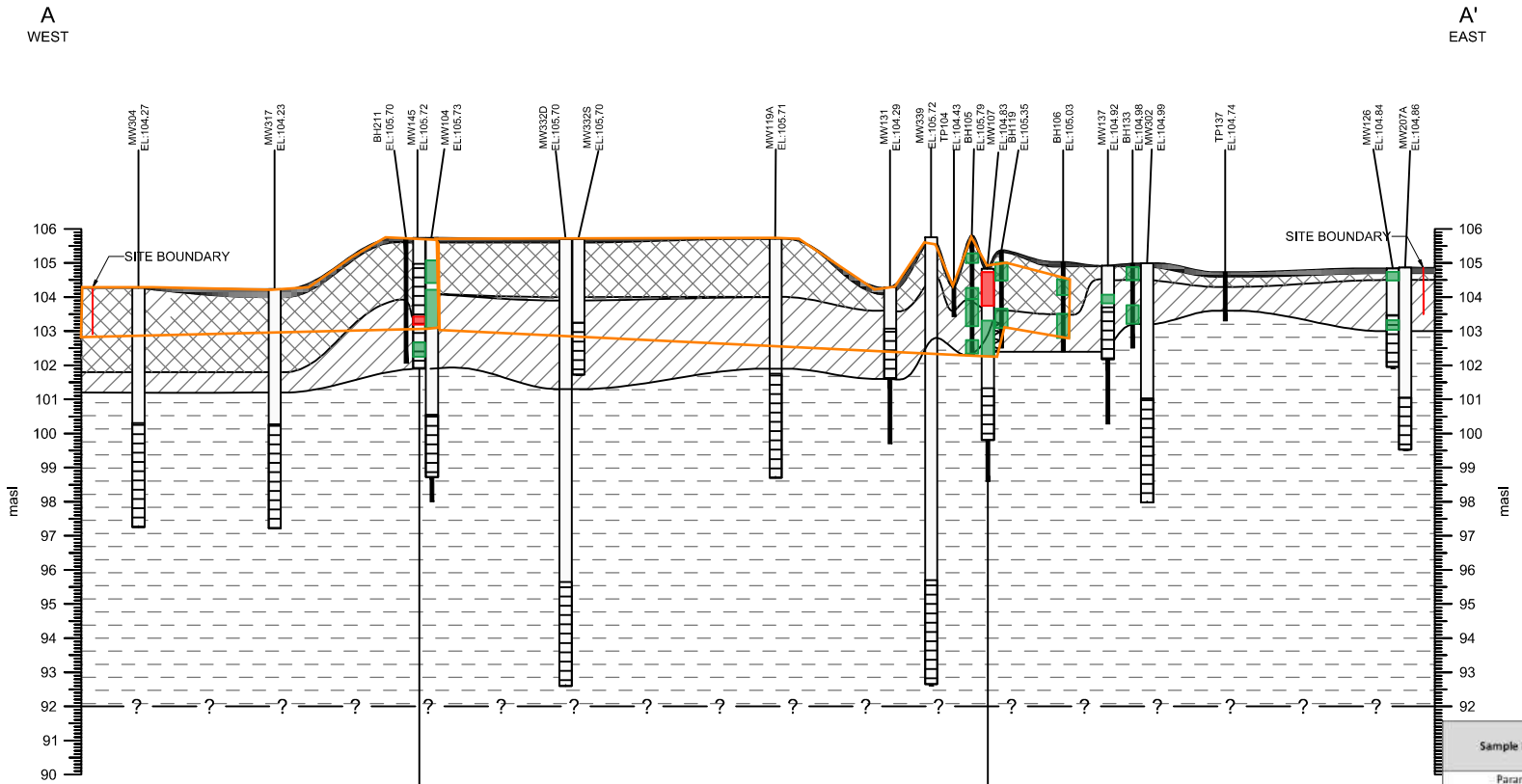
0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- AREA OF CONTAMINATION (PAHs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) - DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 9E



MW145	MW145 SA4A	MW145 SA5
	9-Oct-2013	9-Oct-2013
	2.29 - 2.53	3.05 - 3.47
Benzo(a)pyrene	0.5	< 0.0050

MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
Benzo(a)pyrene	0.34	< 0.0050
Fluoranthene	1.1	0.0064

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified
" indicates field duplicate sample taken
RED: Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE: Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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LEGEND:
- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:
CROSS SECTION A-A'
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 9F

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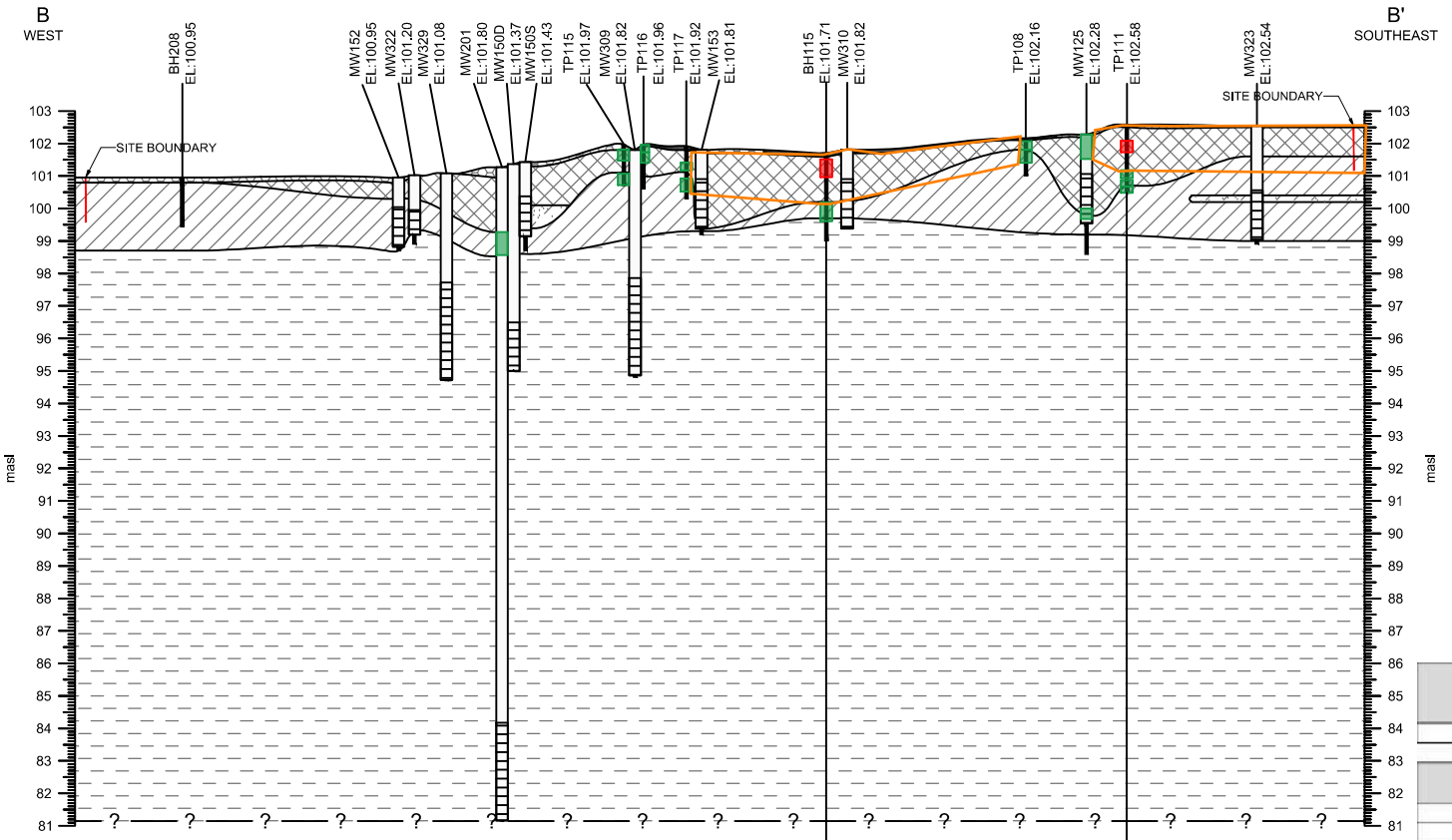

BH115	BH115-1	BH115-2
	3-Jul-2013	3-Jul-2013
	0.2 - 0.75	1.52 - 2.1
Benzo(a)anthracene	1.2	< 0.0050
Benzo(a)pyrene	1	< 0.0050
Benzo(b/j)fluoranthene	1.4	< 0.0050
Dibenz(a,h)anthracene	0.18	< 0.0050
Fluoranthene	2.6	< 0.0050
Indeno(1,2,3-cd)pyrene	0.64	< 0.0050

TP111	TP111-1	TP111-2	TP111-3	TP111-4
	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.5 - 0.85	1.4 - 1.65	1.7 - 1.9	1.9 - 2.1
Acenaphthylene	< 0.25	< 0.0050	< 0.0050	< 0.0050
Anthracene	2.1	< 0.0050	< 0.0050	< 0.0050
Benzo(a)anthracene	4.9	0.013	0.0083	< 0.0050
Benzo(a)pyrene	3.4	0.013	0.009	< 0.0050
Benzo(b/j)fluoranthene	5.8	0.022	0.018	< 0.0050
Benzo(k)fluoranthene	1.9	0.0066	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.5	< 0.0050	< 0.0050	< 0.0050
Fluoranthene	13	0.032	0.016	< 0.0050
Indeno(1,2,3-cd)pyrene	2.3	0.0088	0.008	< 0.0050
Phenanthrene	11	0.017	0.0092	< 0.0050

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 10 20 30 40 50 60 m

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
	Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION B-B'
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	9G

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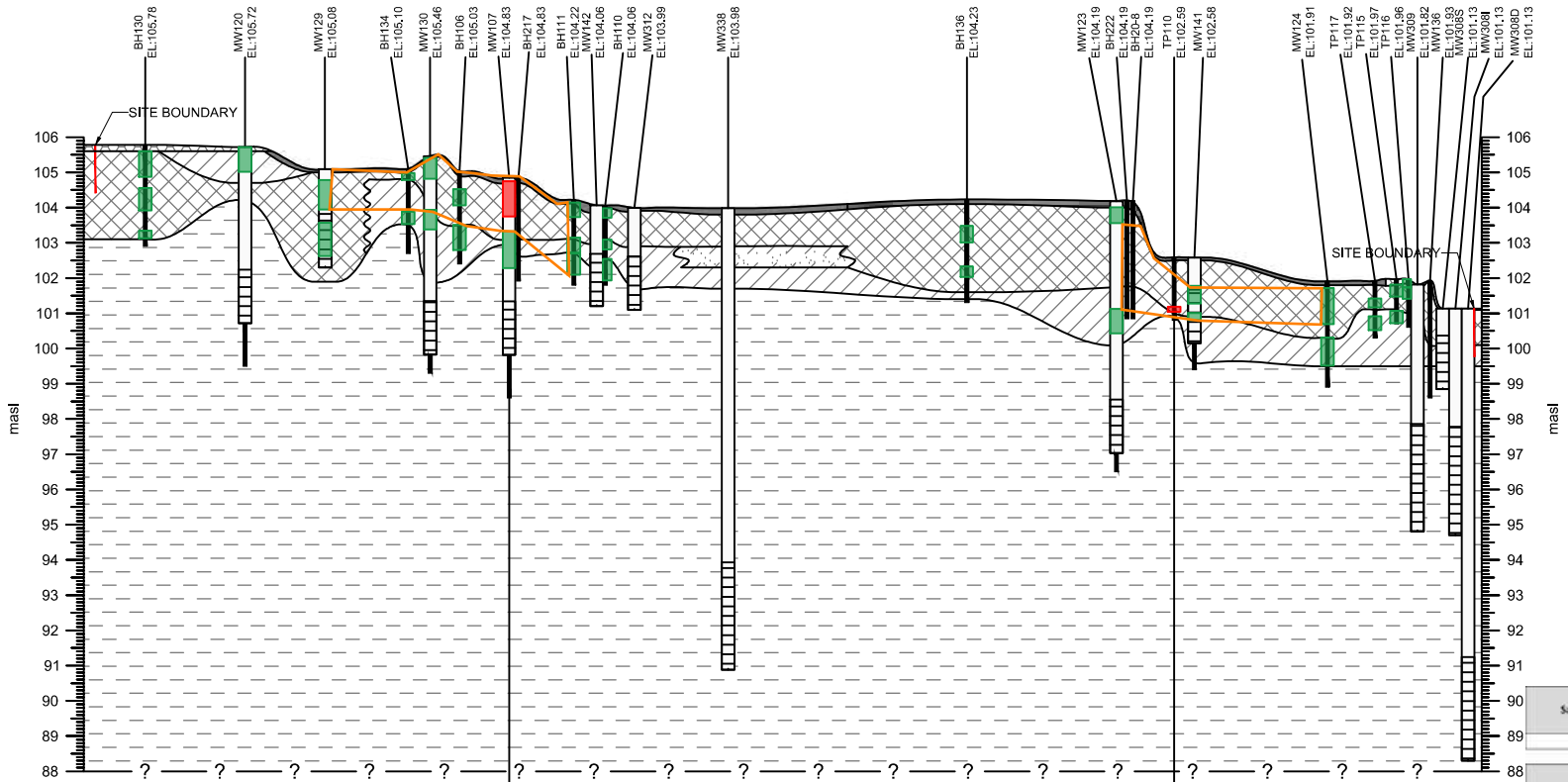
C
NORTHEAST

C'
SOUTHWEST



MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
Benzo(a)pyrene	0.34	< 0.0050
Fluoranthene	1.1	0.0064

TP110	TP110-1	TPR-1
	24-Jul-2013	24-Jul-2013
	1.4 - 1.55	Field Duplicate of TP110-1
Acenaphthylene	< 1.3	< 0.0050
Anthracene	6.3	0.066
Benzo(a)anthracene	21	0.22
Benzo(a)pyrene	16	0.17
Benzo(b/j)fluoranthene	27	0.22
Benzo(ghi)perylene	11	0.092
Benzo(k)fluoranthene	11	0.077
Chrysene	21	0.19
Dibenz(a,h)anthracene	2.5	0.023
Fluoranthene	61	0.46
Indeno(1,2,3-cd)pyrene	12	0.11
Naphthalene	< 1.3	0.016
Phenanthrene	47	0.2

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)enthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE — Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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LEGEND:
- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:
CROSS SECTION C-C'
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 9H

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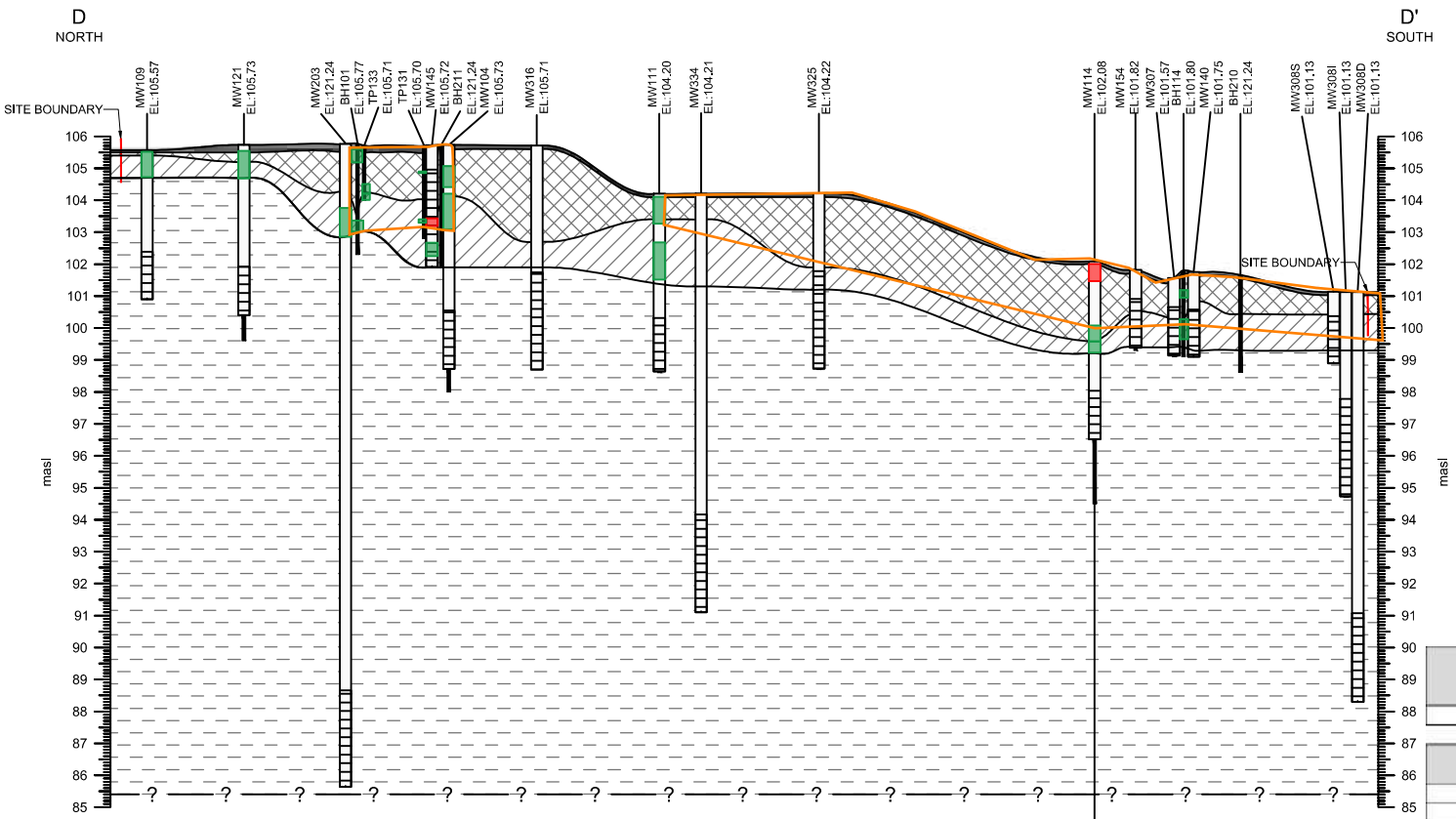

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
Anthracene	1.3	< 0.0050	< 0.0050
Benzo(a)anthracene	3.7	0.0055	< 0.0050
Benzo(a)pyrene	3.2	< 0.0050	< 0.0050
Benzo(b/j)fluoranthene	4	< 0.0050	< 0.0050
Benzo(k)fluoranthene	1.6	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.55	< 0.0050	< 0.0050
Fluoranthene	6.6	0.077	0.0058
Indeno(1,2,3-cd)pyrene	2	< 0.0050	< 0.0050

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

BLUE — Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging

Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION D-D'
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 9I

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- AREA OF CONTAMINATION (METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 10F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - METALS
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 10A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- AREA OF CONTAMINATION (METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 10F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
METALS - DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 10B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- AREA OF CONTAMINATION (METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 10F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - METALS - DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 10C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

BH113 0.07-1.0
MW134 0.1-0.7 2-2.6
BH123 0.05-0.75 0.8-1.22
TP122 ~0.1-0.5 0.7-0.8
MW148S 0.82-1.37 ~2.35-2.74
TP121 0-0.2 0.2-0.6 1-1.3
TP125 0-0.7 0.7-1
TP124 ~0-0.5 0.5-0.7
TP120 0-0.2 0.55-0.8 1.25-1.4
MW135 0-0.55
BH209 0.2-0.8
TP123 0-0.25 0.3-0.6
BH208 0.8-1.5
BH139 0.61-1.22 ~1.57-1.83
MW110D 0.11-0.64 1.52-2.39
BH112 0.18-0.99 1.52-2.54
BH136 0.75-1.22 1.9-2.2
MW114 0.07-0.61 2-2.5 2.5-2.85
BH116 0.16-0.61 ~1.65-4.02 4.02-4.57
MW123 BH222 0.3-1.2 3.05-3.75
MW141 0.8-1.3 1.6-1.8
TP110 ~1.4-1.55
TP109 0.07-0.2 0.3-1 1.85-2
BH135 1.22-1.75 2-2.4
BH114 0.61-0.85 1.52-2.15
TP119 0.2-0.6 0.6-1.7
BH210 1.2-2.4
MW124 0.2-1.22 1.6-2.4
TP115 0.15-0.5 0.9-1.25
TP117 0.5-0.75 1-1.4
BH115 0.2-0.75 1.52-2.1
TP118 0.2-1.4
MW201 0.3-0.8
TP116 0-0.23 0.23-0.55
MW136 1.5-1.5 2.14-2.44

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- AREA OF CONTAMINATION (METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 10F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
METALS - DETAIL MAP 3
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 10D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

TP105 0-0.1 0.85-1.03
BH223 0.8-1.5
D3 0-0.2
BH109 0-1.14 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
D4 0-0.2
MW108 0.13-1.07 1.52-1.95
TP101 0.3-0.65 1.4-1.75
BH219 0.0-0.8
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
TP201 2.0
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP202 1.5
TP203 1.5
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
D7 0-0.2
TP204 0.5 2.0
MW149 1.2-1.5 2.4-3
MW144 1.5-2.3 2.3-2.9
TP205 0.5 2.0
TP113 1-1.3 1.6-1.75
TP114 0.15-0.8
TP112 0.3-0.6 1.5-1.7
BH221 1.1-1.5
TP108 0.09-0.35 0.35-0.75
TP111 0.5-0.85 1.4-1.65 1.7-1.9 1.9-2.1
MW125 0-0.76 2.28-2.6

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- AREA OF CONTAMINATION (METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 10F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
METALS - DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 10E

MW102	MW102-1	MW102-2	OW-MW102-2
	17-Jun-2013	17-Jun-2013	17-Jun-2013
	0.1 - 1.07	1.524 - 2.72	Field Duplicate of MW102-2
Copper	36	200	200

BH104	BH-104 SA1	BH-104 SA2
	29-Jul-2013	29-Jul-2013
	0.15 - 0.69	1.52 - 2.69
Copper	61	250

MW105	MW105-1	MW105-3
	18-Jun-2013	18-Jun-2013
	0.1 - 0.57	1.5 - 2.25
Copper	33	280

MW106	MW106-1	MW106-2
	18-Jun-2013	18-Jun-2013
	0.08 - 0.84	1.52 - 1.82
Copper	110	610

BH105	BH-105 SA1	BH-105 SA2A	BH-105 SA2B	BH-105 SA3
	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.51 - 0.79	1.52 - 1.85	1.85 - 2.64	3.05 - 3.45
Copper	11	15	200	450

BH106	BH106 SA1	BH106 SA1B	BH106 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.05 - 0.25	0.51 - 0.97	1.52 - 2.23
Copper	28	75	250
Lead	21	220	3

MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
Molybdenum	260	42

BH107	BH107 SA1	BH107 SA2
	30-Jul-2013	30-Jul-2013
	0.05 - 0.56	1.52 - 2.03
Copper	190	360

MW108	MW108-1	MW108-2
	18-Jun-2013	18-Jun-2013
	0.13 - 1.07	1.52 - 1.95
Cadmium	1.3	< 0.10

BH108	BH108-SA1A	BH108-SA1B	BH108-SA2A	BH108 SA2B
	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.13 - 0.61	1.24 - 1.52	1.52 - 1.88	1.88 - 2.21
Copper	130	130	220	350

MW109	MW109-1_20130702
	2-Jul-2013
	0.05 - 0.85
Cadmium	12

MW110D	MW110-1	MW110-2
	18-Jun-2013	18-Jun-2013
	0.11 - 0.64	1.52 - 2.39
Copper	12	200

BH110	BH110SA1A	BH110 SA1B	BH110 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13
Cadmium	5.6	< 0.10	< 0.10
Copper	25	130	230
Lead	220	11	2.9
Zinc	2800	79	70

BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
Cadmium	5	0.25	< 0.10
Copper	24	160	380
Lead	210	11	10
Zinc	3000	160	86

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
Cadmium	4.8	< 0.10	< 0.10
Lead	180	3.2	3.1

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Cadmium	8.7	< 0.10
Copper	200	160

MW115	MW115-1
	4-Jul-2013
	0.2 - 0.8
Copper	230

BH116	BH116-1	BH116-2	BH-AK	BH116-3
	8-Jul-2013	8-Jul-2013	8-Jul-2013	8-Jul-2013
	0.16 - 0.61	1.65 - 4.02	Field Duplicate of BH116-2	4.02 - 4.57
Cadmium	< 0.10	0.1	< 0.10	3.8
Copper	11	13	230	240

BH117	BH117 SA1A	BH117SA1B	BH117SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.59	1.35 - 1.52	1.52 - 1.82
Copper	20	590	160

BH118	BH118-SA2	BH118-SA3B
	1-Aug-2013	1-Aug-2013
	1.52 - 2.13	3.2 - 3.66
Copper	200	130

BH119	BH119-SA1B	BH119-SA2B	DUP1
	1-Aug-2013	1-Aug-2013	1-Aug-2013
	0.36 - 0.89	1.72 - 2.28	Field Duplicate of BH119-SA2B
Copper	20	270	1300

BH121	BH121-SA1	BH121-SA2B	DUP 2
	1-Aug-2013	1-Aug-2013	1-Aug-2013
	0.13 - 0.61	2.06 - 2.75	Field Duplicate of BH121-SA2B
Copper	11	250	270

BH122	BH122-SA2A	BH122-SA2B
	2-Aug-2013	2-Aug-2013
	1.52 - 2.33	2.34 - 2.87
Copper	99	210

BH124	BH109 SA1A	BH124-SA1B	BH109 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.09 - 1.25	1.25 - 1.52	1.52 - 1.98
Cadmium	3.5	< 0.10	0.2
Copper	35	450	250
Lead	180	9.2	24
Zinc	2000	65	160

MW126	MW126-1	MW126-2
	15-Jul-2013	15-Jul-2013
	0.1 - 0.35	1.52 - 1.8
Copper	41	330

BH128	BH128-1	BH128-2
	7-Aug-2013	7-Aug-2013
	0.14 - 1.08	1.52 - 2.15
Copper	49	230

MW129	MW129 SA1A	MW129 SA1B	MW129 SA2A
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0.07 - 0.3	0.3 - 1.14	1.52 - 2.46
Copper	14	63	270

BH129	BH129-2	BH129-3
	8-Aug-2013	8-Aug-2013
	0.38 - 1.54	1.54 - 2.44
Copper	47	200

MW131	MW131 SA1A	MW131 SA1B	MW131 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.2 - 0.5	0.66 - 0.99	1.52 - 2.14
Copper	92	130	310
Molybdenum	7	4.9	1.7

MW133	MW133-SA1B	MW133-SA2
	2-Aug-2013	2-Aug-2013
	0.18 - 1.07	1.52 - 2.29
Copper	43	240

BH133	BH133-1	BH133-2
	9-Aug-2013	9-Aug-2013
	0.1 - 0.48	1.22 - 1.76
Copper	46	200

BH134	BH134-1	BH134-2
	9-Aug-2013	9-Aug-2013
	0.12 - 0.32	1.22 - 1.57
Copper	130	310

BH137	BH137-1	BH137-2
	14-Aug-2013	14-Aug-2013
	0.8 - 1.1	1.3 - 1.7
Copper	30	190

MW138	MW138-1	MW138-2
	15-Aug-2013	15-Aug-2013
	0.7 - 1.22	2.55 - 2.93
Copper	140	380

BH141	BH141-1	BHD-1	BH141-2
	19-Aug-2013	19-Aug-2013	19-Aug-2013
	0.16 - 0.35	Field Duplicate of BH141-1	0.85 - 1.22
Copper	9.1	9.9	220

MW207	MW207 S1
	4-Feb-2015
	0.5 - 1.5
Zinc	720

BH213	BH213 S4
	18-Feb-2015
	1.8 - 2.4
Copper	300

BH215	BH215 S2
	13-Feb-2015
	1.2 - 2.4
Copper	190

BH217	BH217 S2
	19-Feb-2015
	0.8 - 1.5
Molybdenum	23

BH218	BH218 S1
	19-Feb-2015
	0.0 - 0.8
Cadmium	5.1
Copper	240
Lead	270
Molybdenum	8.5
Zinc	1200

BH219	BH219 S1
	19-Feb-2015
	0.0 - 0.8
Cadmium	3.7
Molybdenum	12
Zinc	620

D1	D1-0-0.2
	23-Jul-2013
	0 - 0.2
Cadmium	5
Lead	200
Zinc	710

D2	D2-0-0.2
	24-Jul-2013
	0 - 0.2
Copper	250

D4	D4-0-0.2
	24-Jul-2013
	0 - 0.2
Copper	230

D5	D5-0-0.1
	24-Jul-2013
	0 - 0.1
Cadmium	2.3

D6	D6-0-0.15
	24-Jul-2013
	0 - 0.15
Cadmium	2.3
Copper	200

D7	D7-0-0.2
	23-Jul-2013
	0 - 0.2
Cadmium	4.8

TP102	TP102-1	TP102-2	TP102-3
	22-Jul-2013	22-Jul-2013	22-Jul-2013
	0 - 0.5	0.5 - 1.2	1.2 - 1.55
Cadmium	9.7	0.61	0.19

TP103	TP103-1	TP103-2
	22-Jul-2013	22-Jul-2013
	0.5 - 1.1	1.1 - 1.4
Cadmium	280	< 0.10

TP104	TP104-1	TPAD-1	TP104-2
	23-Jul-2013	23-Jul-2013	23-Jul-2013
	0.3 - 0.8	Field Duplicate of TP104-1	0.8 - 0.9
Cadmium	15	21	< 0.10
Copper	35	33	270
Lead	390	770	8
Zinc	8300	12000	97

TP105	TP105-1	TP105-2
	23-Jul-2013	23-Jul-2013
	0.1 - 0.85	0.85 - 1.03
Cadmium	5.9	0.86
Copper	27	290
Lead	580	20
Zinc	3200	160

TP108	TP108-1	TP108-2
	23-Jul-2013	23-Jul-2013
	0.09 - 0.35	0.35 - 0.75
Cadmium	1.8	< 0.10
Lead	330	11
Zinc	880	66

TP109	TP109-1	TP109-2	TP109-3
	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.07 - 0.2	0.3 - 1	1.85 - 2
Cadmium	0.45	2.3	< 0.10
Copper	19	260	240
Lead	46	160	4.4

TP110	TP110-1	TPR-1
	24-Jul-2013	24-Jul-2013
	1.4 - 1.55	Field Duplicate of TP110-1
Copper	170	200

TP120	TP120-1	TP120-2	TP120-3
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0 - 0.2	0.55 - 0.8	1.25 - 1.4
Copper	20	89	210

TP123	TP123-1	TP123-2
	29-Jul-2013	29-Jul-2013
	0 - 0.25	0.3 - 0.6
Cadmium	1.6	< 0.10

TP124	TP124-1	TPY-1	TP124-2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0 - 0.5	Field Duplicate of TP124-1	0.5 - 0.7
Barium	1400	870	100
Cadmium	580	370	3.6
Copper	810	930	140
Lead	300	360	5
Zinc	370	430	71

TP125	TP125-1	TP125-2
	30-Jul-2013	30-Jul-2013
	0 - 0.7	0.7 - 1
Cadmium	0.29	1.6

TP127	TP127-1
	31-Jul-2013
	2.1 - 2.3
Copper	200

TP130	TP130-1	TP130-2
	3-Oct-2013	3-Oct-2013
	0.9 - 1	1.1 - 1.2
Copper	15	270

TP131	TP131-1	TP131-2
	3-Oct-2013	3-Oct-2013
	0.8 - 0.85	2.3 - 2.4
Copper	32	210

TP134	TP134-1	TP134-2
	7-Oct-2013	7-Oct-2013
	1.1 - 1.2	1.35 - 1.5
Lead	8700	13

TP204	TP204 SS1	TP204 SS2
	3-Jul-2024	3-Jul-2024
	0.5	2
Copper	195	79
Molybdenum	1.3	13.1

TP205	TP205 SS1	TP205 SS2
	3-Jul-24	3-Jul-24
	0.5	2
Copper	630	73.9
Molybdenum	0.9	14.1

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Reporting Detection Limit is greater than the Table 2 SCS

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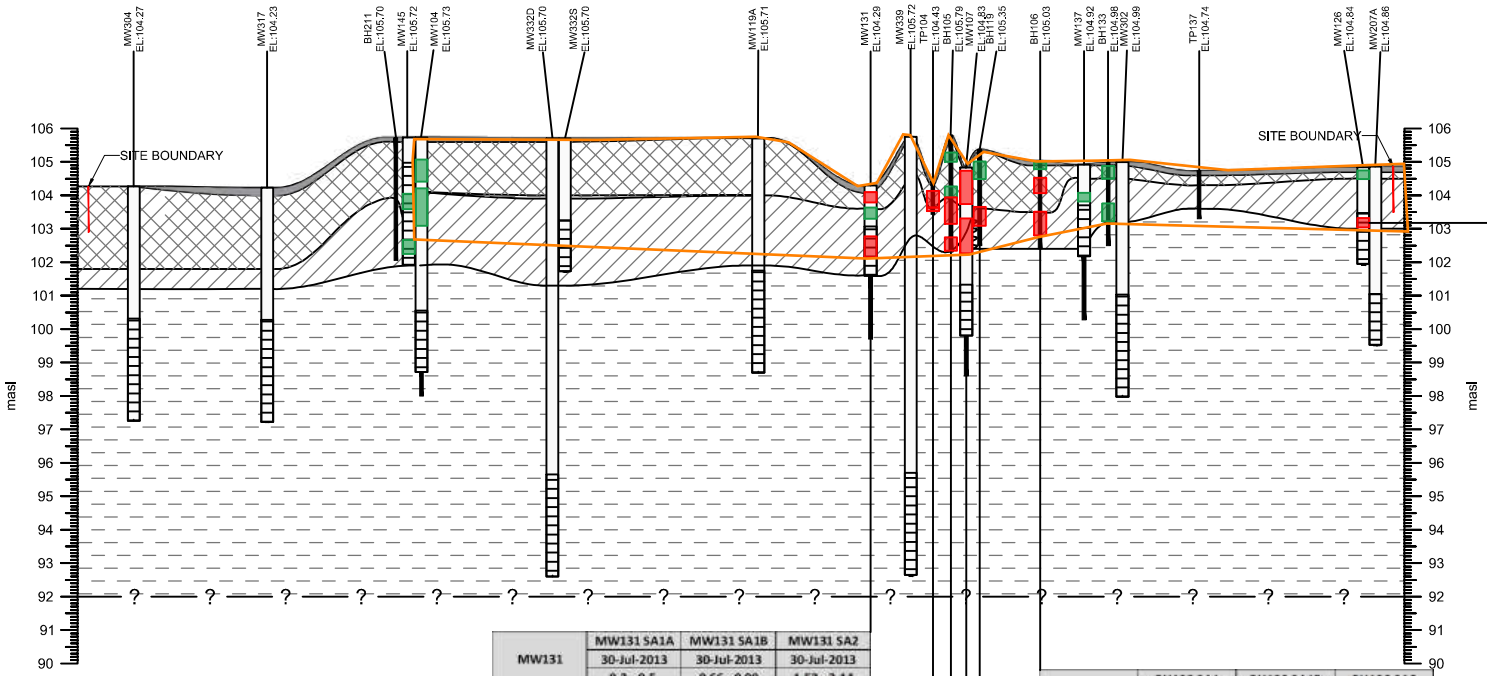
TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
METALS - EXCEEDANCES
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
NOT APPLICABLE	JH
DATE:	FIG. No.:
AUGUST 2024	10F

A
WEST

A'
EAST



MW131	MW131 SA1A	MW131 SA1B	MW131 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.2 - 0.5	0.66 - 0.99	1.52 - 2.14
Copper	92	130	310
Molybdenum	7	4.9	1.7

MW126	MW126-1	MW126-2
	15-Jul-2013	15-Jul-2013
	0.1 - 0.35	1.52 - 1.8
Copper	41	330

BH106	BH106 SA1	BH106 SA1B	BH106 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.05 - 0.25	0.51 - 0.97	1.52 - 2.23
Copper	28	75	250
Lead	21	220	3

BH119	BH119-SA1B	BH119-SA2B	DUP1
	1-Aug-2013	1-Aug-2013	1-Aug-2013
	0.36 - 0.89	1.72 - 2.28	Field Duplicate of BH119-SA2B
Copper	20	270	1300

TP104	TP104-1	TPAD-1	TP104-2
	23-Jul-2013	23-Jul-2013	23-Jul-2013
	0.3 - 0.8	Field Duplicate of TP104-1	0.8 - 0.9
Cadmium	15	21	< 0.10
Copper	35	33	270
Lead	390	770	8
Zinc	8300	12000	97

MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
Molybdenum	260	42

BH105	BH-105 SA1	BH-105 SA2A	BH-105 SA2B	BH-105 SA3
	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.51 - 0.79	1.52 - 1.85	1.85 - 2.64	3.05 - 3.45
Copper	11	15	200	450

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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LEGEND:
- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION A-A'
SOIL ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 10G

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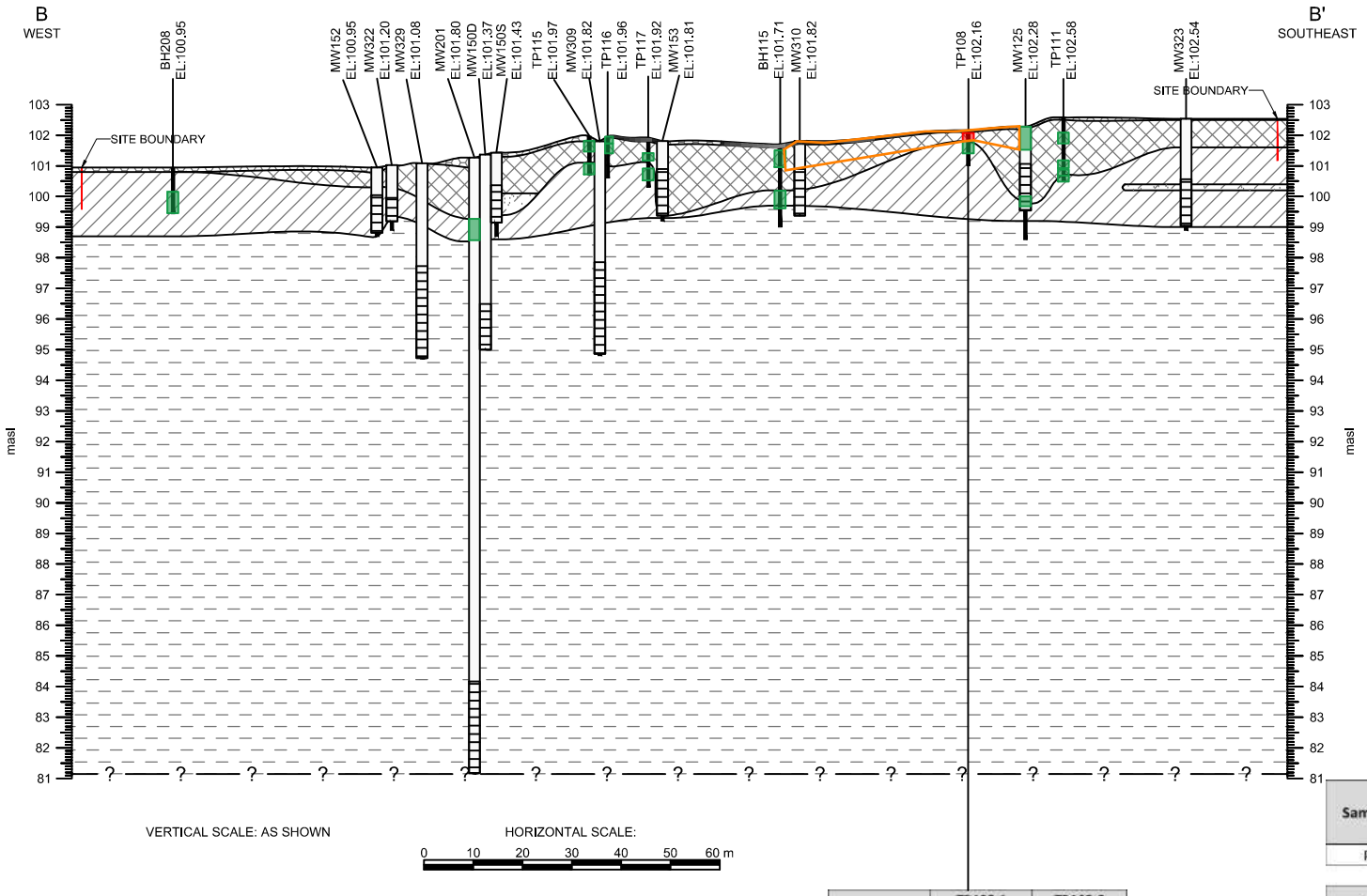

TP108	TP108-1	TP108-2
	23-Jul-2013	23-Jul-2013
	0.09 - 0.35	0.35 - 0.75
Cadmium	1.8	< 0.10
Lead	330	11
Zinc	880	66

Sample Location	Sample ID Sample Date Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:
- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

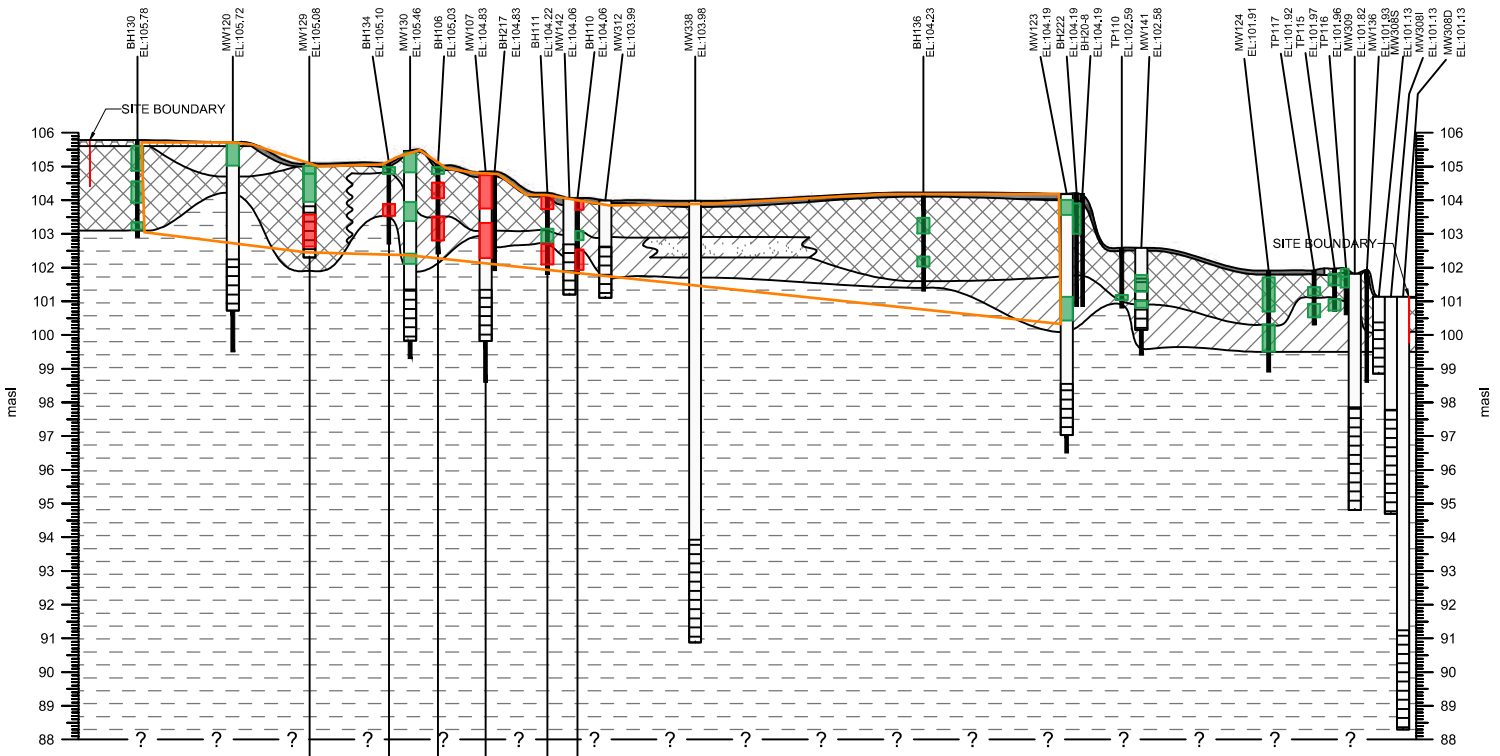
CROSS SECTION B-B'
SOIL ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 10H

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

C
NORTHEAST

C'
SOUTHWEST



MW129	MW129 SA1A	MW129 SA1B	MW129 SA2A
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0.07 - 0.3	0.3 - 1.14	1.52 - 2.46
Copper	14	63	270

BH110	BH110SA1A	BH110 SA1B	BH110 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13
Cadmium	5.6	< 0.10	< 0.10
Copper	25	130	230
Lead	220	11	2.9
Zinc	2800	79	70

BH134	BH134-1	BH134-2
	9-Aug-2013	9-Aug-2013
	0.12 - 0.32	1.22 - 1.57
Copper	130	310

BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
Cadmium	5	0.25	< 0.10
Copper	24	160	380
Lead	210	11	10
Zinc	3000	160	86

BH106	BH106 SA1	BH106 SA1B	BH106 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.05 - 0.25	0.51 - 0.97	1.52 - 2.23
Copper	28	75	250
Lead	21	220	3

MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
Molybdenum	260	42

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED: Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION C-C'
SOIL ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	10I

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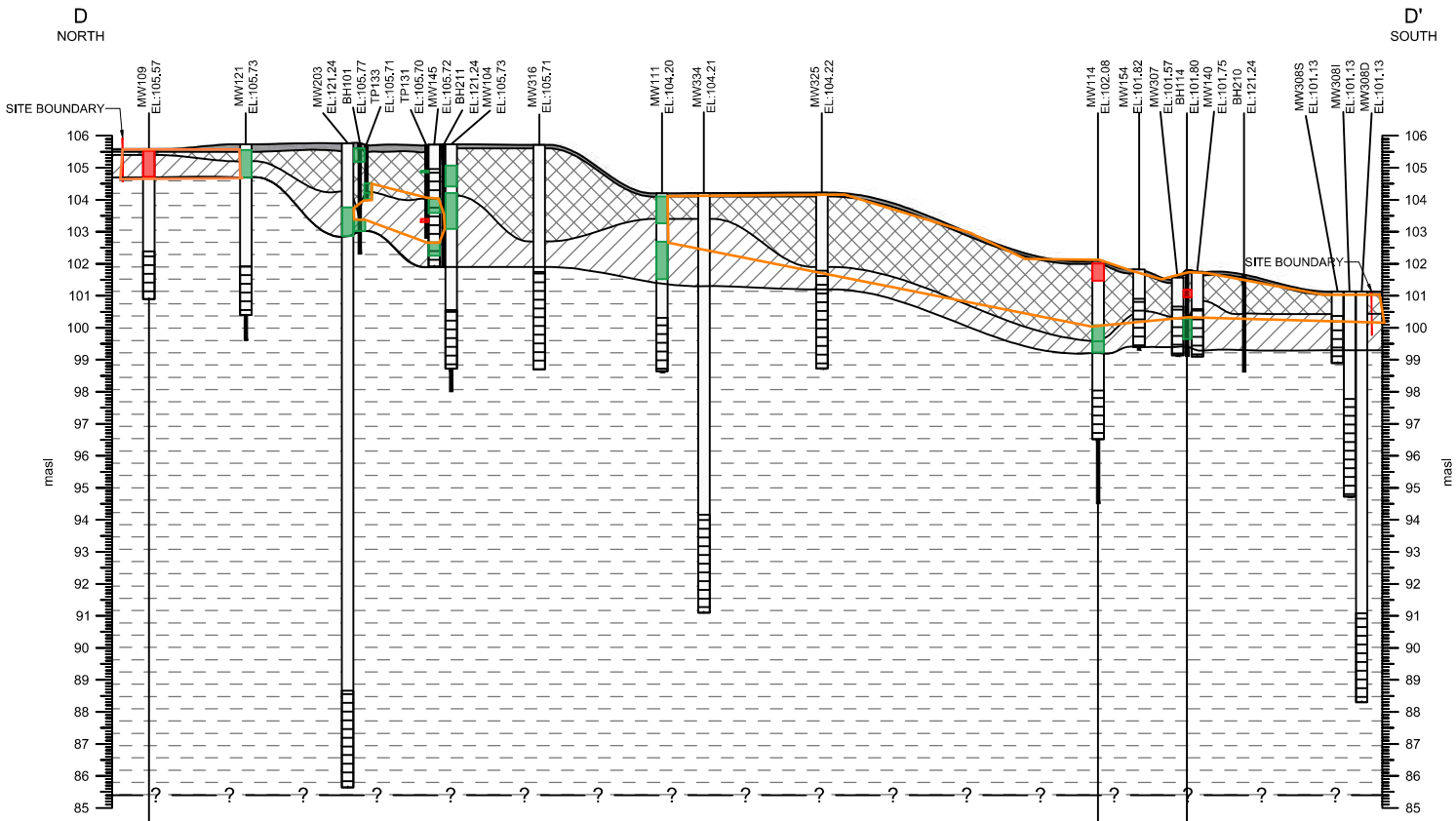

MW109	MW109-1_20130702
	2-Jul-2013
	0.05 - 0.85
Cadmium	12

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
Cadmium	4.8	< 0.10	< 0.10
Lead	180	3.2	3.1

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Cadmium	8.7	< 0.10
Copper	200	160

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION D-D'
SOIL ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	10J

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Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Antimony	8

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- AREA OF CONTAMINATION (HYDRIDE-FORMING METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - HYDRIDE-FORMING METALS
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 11A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Antimony	8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

DAVIS RD

MW109 0.05-0.85
MW132D 0.05-1.02 ~1.63-2.24
MW133 0.18-1.07 1.52-2.29
BH141 0.16-0.35 0.85-1.22
MW121 0.18-1.04
TP129 1-1.1 1.15-1.25
TP130 0.9-1 1.1-1.2
TP127 2.1-2.3
MW122 0-0.92
MW203 0.3-1.5
MW103 0.13-0.97 1.54-2.21
BH213 1.8-2.4
BH103 0.1-0.92
BH101 0.17-0.59 2.4-2.75
TP133 ~1.2-1.5 1.5-1.7
TP134 1.1-1.2 1.35-1.5
BH102 0.13-0.58 1.78-2.43
BH122 1.52-2.33 2.34-2.87
TP131 0.8-0.85 2.3-2.4
BH212 0.2-0.5
MW145 1.68-2.13 3.05-3.47
MW104 0.66-1.32 1.52-2.64
MW119D 0.12-0.92 3.5-3.95
BH211 0.6-1.2
MW112 0.05-1.7
MW204 0.2-0.6
TP126 ~1.8-1.9
MW139 0.7-0.92
BH138 0.75-1.22 1.22-1.41
MW111 0.1-0.94 1.52-2.69
BH137 0.8-1.1 1.3-1.7
MW202 0.6-1.2

TP131	TP131-1	TP131-2
	3-Oct-2013	3-Oct-2013
	0.8 - 0.85	2.3 - 2.4
Antimony	0.22	14

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- AREA OF CONTAMINATION (HYDRIDE-FORMING METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
HYDRIDE-FORMING METALS - DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	11B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Antimony	8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.1-1.52
BH214 0.5-1.2
BH121 0.13-0.61 2.06-2.75
MW116 0.2-0.9
TP128 1.65-1.75
MW129 0.07-0.3 0.3-1.14 1.52-2.46
BH120 0.13-0.43
BH215 1.2-2.4
MW118 0.16-0.75
MW102 0.1-1.07 ~1.524-2.72
BH104 0.15-0.69 1.52-2.69
MW130 0.05-0.64 1.52-2.08 3.05-3.35
BH134 0.12-0.32 1.22-1.57
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
MW131 0.2-0.5 0.66-0.99 1.52-2.14
BH119 0.36-0.89 ~1.72-2.28
MW137 0.95-1.1
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
TP104 ~0.3-0.6 0.8-0.9
MW107 0.1-1.09 1.52-2.56
BH106 0.05-0.25 0.51-0.97 1.52-2.23
BH107 0.06-0.56 1.52-2.03
BH217 0.8-1.5
BH216 ~0.8-1.5
BH110 0.08-0.35 0.97-1.25 1.52-2.13
BH111 0.08-0.49 1.07-1.5 1.52-2.03
BH140 0.61-0.96
D1 0-0.2
BH218 0.0-0.8
TP103 0.5-1.1 1.1-1.4
D2 0-0.2
BH124 0.09-1.25 1.25-1.52 1.52-1.98
MW117 0-0.7
BH130 1.22-1.86 2.44-2.65 0.18-0.91
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW120 0-0.7
BH131 0.19-0.66 1.22-1.62
MW128 0.2-0.85
BH127 0.2-0.5 0.5-1.25
BH129 0.38-1.54 1.54-2.44
MW105 0.1-0.57 1.5-2.25
BH132 1.22-1.7
BH128 0.14-1.08 1.52-2.15
MW127 0.1-0.45
BH133 0.1-0.48 1.22-1.76
TP138 0.5-0.6
MW207 0.5-1.5
MW126 0.1-0.35 1.52-1.8
MW106 0.08-0.84 1.52-1.82

D1	D1-0-0.2
	23-Jul-2013
	0 - 0.2
Antimony	10

TP103	TP103-1	TP103-2
	22-Jul-2013	22-Jul-2013
	0.5 - 1.1	1.1 - 1.4
Antimony	270	0.32

BH218	BH218 S1
	19-Feb-2015
	0.0 - 0.8
Antimony	16

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- AREA OF CONTAMINATION (HYDRIDE-FORMING METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
HYDRIDE-FORMING METALS - DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	11C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Antimony	8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

DAVIS RD

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Antimony	9	< 0.20

TP124	TP124-1	TPY-1	TP124-2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0 - 0.5	Field Duplicate of TP124-1	0.5 - 0.7
Antimony	560	370	3.6

BH113 0.07-1.0
MW134 0.1-0.7 2-2.6
BH123 0.05-0.75 0.8-1.22
TP122 0.1-0.5 0.7-0.8
MW148S 0.82-1.37 ~2.35-2.74
TP121 0-0.2 0.2-0.6 1-1.3
TP125 0-0.7 0.7-1
TP124 ~0-0.5 0.5-0.7
MW133 0-0.55
BH209 0.2-0.8
TP123 0-0.25 0.3-0.6
BH208 0.8-1.5
TP120 0-0.2 0.55-0.8 1.25-1.4
TP119 0.2-0.6 0.6-1.7
BH114 0.61-0.85 1.52-2.15
BH210 1.2-2.4
TP118 0.2-1.4
MW204 0.3-0.8
MW124 0.2-1.22 1.6-2.4
TP115 0.15-0.5 0.9-1.25
TP116 0-0.23 0.23-0.55
TP117 0.5-0.75 1-1.4
MW136 1.3-1.5 2.14-2.44
BH115 0.2-0.75 1.52-2.1
BH139 0.61-1.22 ~1.57-1.83
BH112 0.18-0.99 1.52-2.54
BH116 0.16-0.61 ~1.65-4.02 4.02-4.57
MW114 0.07-0.61 2-2.5 2.5-2.85
MW123 0.17-0.62 3.05-3.75
BH122 0.3-1.2
TP110 ~1.4-1.55
MW141 0.8-1.3 1.6-1.8
TP109 0.07-0.2 0.3-1 1.85-2
BH135 1.22-1.75 2-2.4
MW110D 0.11-0.64 1.52-2.39
BH136 0.75-1.22 1.9-2.2

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- AREA OF CONTAMINATION (HYDRIDE-FORMING METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
HYDRIDE-FORMING METALS - DETAIL MAP 3
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 11C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Antimony	8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

TP102	TP102-1	TP102-2	TP102-3
	22-Jul-2013	22-Jul-2013	22-Jul-2013
	0 - 0.5	0.5 - 1.2	1.2 - 1.55
Antimony	9.2	0.78	0.41

BH223 0.8-1.5
TP105 0.1-0.85 0.85-1.03
D3 0-0.2
BH109 0-1.13 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
D4 0-0.2
MW108 0.13-1.07 1.52-1.95
BH219 0.2-0.8
TP101 0.3-0.85 1.4-1.75
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
TP201 2.0
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP202 1.5
TP203 1.5
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
D7 0-0.2
TP204 0.5 2.0
TP205 0.5 2.0
MW144 1.5-2.3 2.3-2.9
MW149 1.2-1.5 2.4-3
TP113 1-1.3 1.6-1.75
TP114 0.15-0.8
TP112 0.3-0.6 1.5-1.7
BH221 1.1-1.5
TP111 0.5-0.85 1.4-1.65 1.7-1.9 1.9-2.1
TP108 0.09-0.35 0.35-0.75
MW125 0-0.76 2.28-2.6

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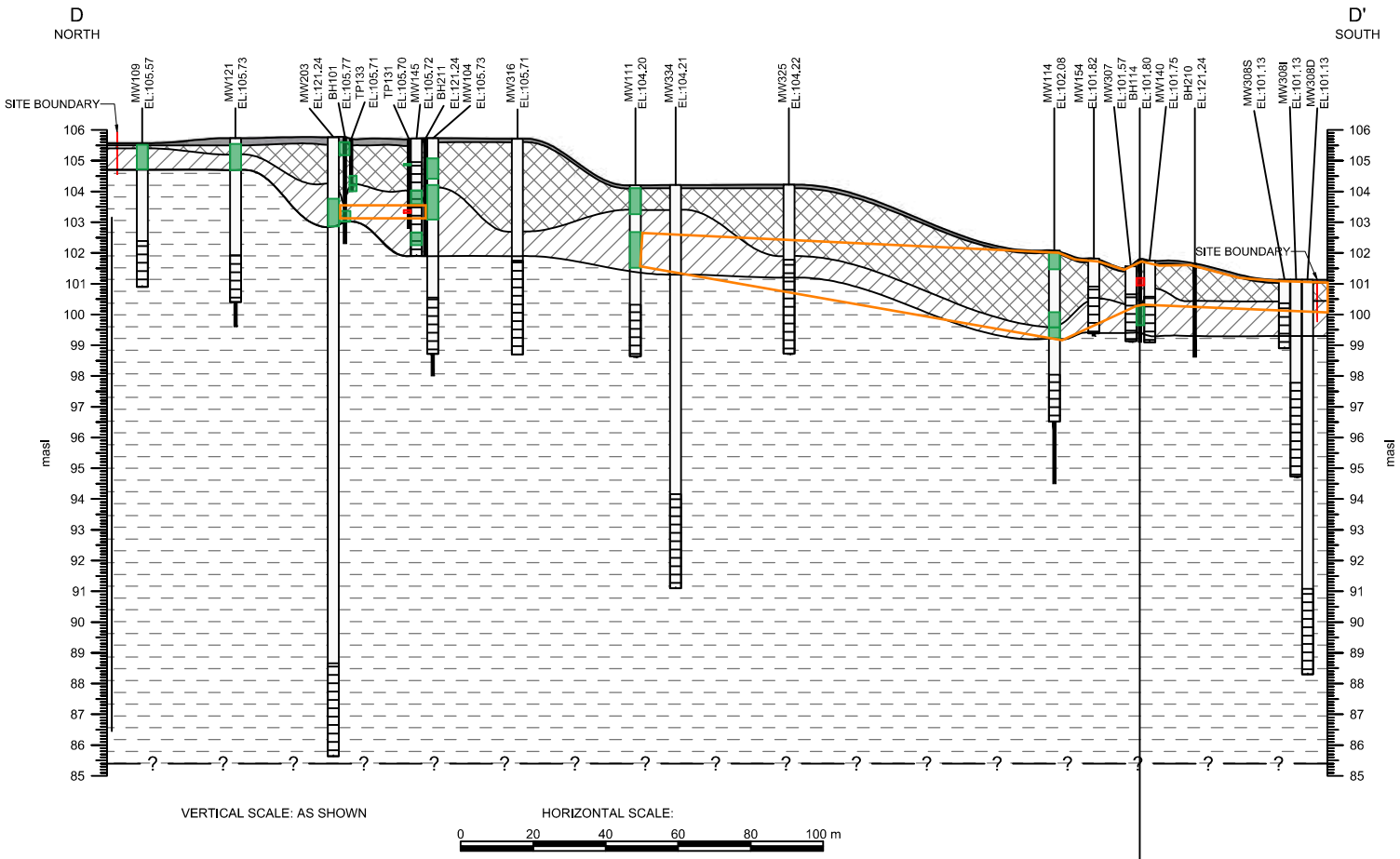
0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- AREA OF CONTAMINATION (HYDRIDE-FORMING METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - HYDRIDE-FORMING METALS - DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 11E



BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Antimony	9	< 0.20

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Antimony	8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR HF METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR HF METALS
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION D-D'
SOIL ANALYTICAL RESULTS - HYDRIDE-FORMING METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	11F

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND/OR Hg
- SOIL SAMPLE MEETS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND Hg
- AREA OF CONTAMINATION (B-HWS, Cr(VI), CN-, AND/OR Hg IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS -
HOT WATER SOLUBLE BORON (B-HWS),
HEXAVALENT CHROMIUM [Cr(VI)],
FREE CYANIDE (CN-), AND MERCURY (Hg)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 12A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

DAVIS RD

TP129	TP129-1	TP129-2
	3-Oct-2013	3-Oct-2013
	1 - 1.1	1.15 - 1.25
Mercury	3.7	0.81

TP131	TP131-1	TP131-2
	3-Oct-2013	3-Oct-2013
	0.8 - 0.85	2.3 - 2.4
Mercury	2.3	1.2

BH212	BH212 S1
	18-Feb-2015
	0.2 - 0.5
Mercury	13

MW109 0.05-0.85
MW133 0.18-1.07 1.52-2.29
MW132D 0.05-1.02 ~1.63-2.24
BH141 0.16-0.35 0.85-1.22
MW121 0.18-1.04
TP129 1-1.1 1.15-1.25
TP130 0.9-1 1.1-1.2
TP127 2.1-2.3
MW122 0-0.92
MW203 0.3-1.5
BH213 1.8-2.4
MW103 0.13-0.97 1.54-2.21
BH103 0.1-0.92
BH101 0.17-0.59 2.4-2.75
TP133 ~1.2-1.5 1.5-1.7
TP134 1.1-1.2 1.35-1.5
BH212 0.2-0.5
BH122 1.52-2.33 2.34-2.87
TP131 0.8-0.85 2.3-2.4
BH102 0.13-0.58 1.78-2.43
MW119D 0.12-0.92 3.5-3.95
MW145 1.68-2.13 3.05-3.47
MW104 0.66-1.32 1.52-2.64
BH211 0.6-1.2
MW112 0.05-1.7
MW204 0.2-0.6
TP126 ~1.8-1.9
MW139 0.7-0.92
BH138 0.75-1.22 1.22-1.41
MW111 0.1-0.94 1.52-2.69
BH137 0.8-1.1 1.3-1.7
MW202 0.6-1.2

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND/OR Hg
- SOIL SAMPLE MEETS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND Hg
- AREA OF CONTAMINATION (B-HWS, Cr(VI), CN-, AND/OR Hg IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS -
HOT WATER SOLUBLE BORON (B-HWS),
HEXAVALENT CHROMIUM [Cr(VI)],
FREE CYANIDE (CN-), AND MERCURY (Hg)
- DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	12B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.13-0.46 1.524-1.98
BH214 0.5-1.2
BH121 0.13-0.61 2.06-2.75
MW116 0.2-0.9
MW129 0.07-0.3 0.3-1.14 1.52-2.46
TP128 1.65-1.75
BH120 0.13-0.43
MW102 0.1-1.07 ~1.524-2.72
BH215 1.2-2.4
MW118 0.16-0.75
BH104 0.15-0.69 1.52-2.69
MW130 0.05-0.64 1.52-2.08 3.05-3.35
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
MW131 0.2-0.5 0.66-0.99 1.52-2.14
BH119 0.36-0.89 ~1.72-2.28
TP104 ~0.3-0.8 0.8-0.9
MW107 0.1-1.09 1.52-2.56
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
BH107 0.05-0.56 1.52-2.03
BH217 0.8-1.5
BH216 ~0.8-1.5
BH124 0.09-1.25 1.25-1.52 1.52-1.98
BH110 0.08-0.35 0.97-1.25 1.52-2.13
BH111 0.08-0.49 1.07-1.5 1.52-2.03
BH218 0.0-0.8
D1 0-0.2
BH140 0.61-0.96
TP103 0.5-1.1 1.1-1.4
D2 0-0.2
MW117 0-0.7
BH130 1.22-1.86 2.44-2.65 0.18-0.91
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW120 0-0.7
BH131 0.19-0.66 1.22-1.62
MW128 0.2-0.85
BH127 0.2-0.5 0.5-1.25
BH128 0.14-1.08 1.52-2.15
MW105 0.1-0.57 1.52-2.25
MW127 0.1-0.45
BH132 1.22-1.7
BH129 0.38-1.54 1.54-2.44
TP138 0.5-0.6
BH134 0.12-0.32 1.22-1.57
BH133 0.1-0.48 1.22-1.76
MW137 0.85-1.1
MW207 0.5-1.5
MW106 0.08-0.84 1.52-1.82
BH106 0.05-0.25 0.51-0.97 1.52-2.23
MW126 0.1-0.35 1.52-1.8

MW101	MW101-1	MW101-3
	17-Jun-2013	17-Jun-2013
	0.13 - 0.46	1.524 - 1.98
Boron (hot water soluble)	< 5.0	12

MW102	MW102-1	MW102-2	OW-MW102-2
	17-Jun-2013	17-Jun-2013	17-Jun-2013
	0.1 - 1.07	1.524 - 2.72	Field Duplicate of MW102-2
Boron (hot water soluble)	< 5.0	10	10

BH217	BH217 S2
	19-Feb-2015
	0.8 - 1.5
Mercury	45

D1	D1-0-0.2
	23-Jul-2013
	0 - 0.2
Mercury	50

BH140	BH140-1
	15-Aug-2013
	0.61 - 0.96
Mercury	2.3

TP103	TP103-1	TP103-2
	22-Jul-2013	22-Jul-2013
	0.5 - 1.1	1.1 - 1.4
Mercury	9.6	0.064

BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
Mercury	210	11	< 0.050

D2	D2-0-0.2
	24-Jul-2013
	0 - 0.2
Mercury	2.4

BH218	BH218 S1
	19-Feb-2015
	0.0 - 0.8
Free Cyanide	0.31
Mercury	41

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND/OR Hg
- SOIL SAMPLE MEETS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND Hg
- AREA OF CONTAMINATION (B-HWS, Cr(VI), CN-, AND/OR Hg IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS -
HOT WATER SOLUBLE BORON (B-HWS),
HEXAVALENT CHROMIUM [Cr(VI)],
FREE CYANIDE (CN-), AND MERCURY (Hg)
- DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 12C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

TP122	TP122-1	TPW-1	TP122-2
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0.1 - 0.5	Field Duplicate of TP122-1	0.7 - 0.8
Boron (hot water soluble)	0.71	0.73	2.5

TP121	TP121-1	TP121-2	TP121-3
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0 - 0.2	0.2 - 0.6	1 - 1.3
Mercury	1.4	7	0.1

TP124	TP124-1	TPY-1	TP124-2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0 - 0.5	Field Duplicate of TP124-1	0.5 - 0.7
Boron (hot water soluble)	2.7	2.3	3.1
Mercury	150	150	0.87

MW135	MW135-1
	6-Aug-2013
	0 - 0.55
Boron (hot water soluble)	11

TP123	TP123-1	TP123-2
	29-Jul-2013	29-Jul-2013
	0 - 0.25	0.3 - 0.6
Boron (hot water soluble)	25	4.4

BH208	BH208 S2
	19-Feb-2015
	0.8 - 1.5
Boron (hot water soluble)	2.1

BH210	BH210 S3
	18-Feb-2015
	1.2 - 2.4
Free Cyanide	0.07

TP118	TP118-1
	26-Jul-2013
	0.2 - 1.4
Mercury	5.8

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
Boron (hot water soluble)	3.4	0.13	0.35
Mercury	15	< 0.050	< 0.050

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Boron (hot water soluble)	2.6	0.14
Mercury	30	0.081

MW136	MW136-1	MW136-2
	13-Aug-2013	13-Aug-2013
	1.3 - 1.5	2.14 - 2.44
Boron (hot water soluble)	0.47	1.9

BH116	BH116-1	BH116-2	BH-AK	BH116-3
	8-Jul-2013	8-Jul-2013	8-Jul-2013	8-Jul-2013
	0.16 - 0.61	1.65 - 4.02	Field Duplicate of BH116-2	4.02 - 4.57
Boron (hot water soluble)	0.14	0.13	2.6	0.23

MW141	MW141-2	MW141-3
	1-Oct-2013	2-Oct-2013
	0.8 - 1.3	1.6 - 1.8
Boron (hot water soluble)	0.082	1.8

TP110	TP110-1	TPR-1
	24-Jul-2013	24-Jul-2013
	1.4 - 1.55	Field Duplicate of TP110-1
Boron (hot water soluble)	1.9	1.8

TP109	TP109-1	TP109-2	TP109-3
	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.07 - 0.2	0.3 - 1	1.85 - 2
Boron (hot water soluble)	0.1	1.7	0.23

BH135	BH135-1	BH135-2
	13-Aug-2013	13-Aug-2013
	1.22 - 1.75	2 - 2.4
Boron (hot water soluble)	1.9	0.28

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND/OR Hg
- SOIL SAMPLE MEETS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND Hg
- AREA OF CONTAMINATION (B-HWS, Cr(VI), CN-, AND/OR Hg IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS -
HOT WATER SOLUBLE BORON (B-HWS),
HEXAVALENT CHROMIUM [Cr(VI)],
FREE CYANIDE (CN-), AND MERCURY (Hg)
- DETAIL MAP 3
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 12D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

BH223 0.8-1.5
D3 0-0.2
TP105 0.1-0.85 0.85-1.03
BH109 ~0-1.14 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
D4 0-0.2
MW108 0.13-1.07 1.52-1.95
BH219 0.0-0.8
TP101 0.3-0.85 1.4-1.75
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
MW144 1.5-2.3 2.3-2.9
D7 0-0.2
MW149 1.2-1.5 2.4-3
TP113 1-1.3 1.6-1.75
TP114 0.15-0.8
TP111 0.5-0.85 1.4-1.65 1.7-1.9 1.9-2.1
TP112 0.3-0.6 1.5-1.7
BH221 1.1-1.5
TP108 0.09-0.35 0.35-0.75
MW125 0-0.76 2.28-2.6

BH219	BH219 S1
	19-Feb-2015
	0.0 - 0.8
Free Cyanide	0.15
Mercury	9.5

TP101	TP101-1	TP101-2
	22-Jul-2013	22-Jul-2013
	0.3 - 0.85	1.4 - 1.75
Mercury	0.11	3.6

D5	D5-0-0.1
	24-Jul-2013
	0 - 0.1
Mercury	2.4

TP113	TP113-2	TP113-3
	25-Jul-2013	25-Jul-2013
	1 - 1.3	1.6 - 1.75
Boron (hot water soluble)	0.51	2.5

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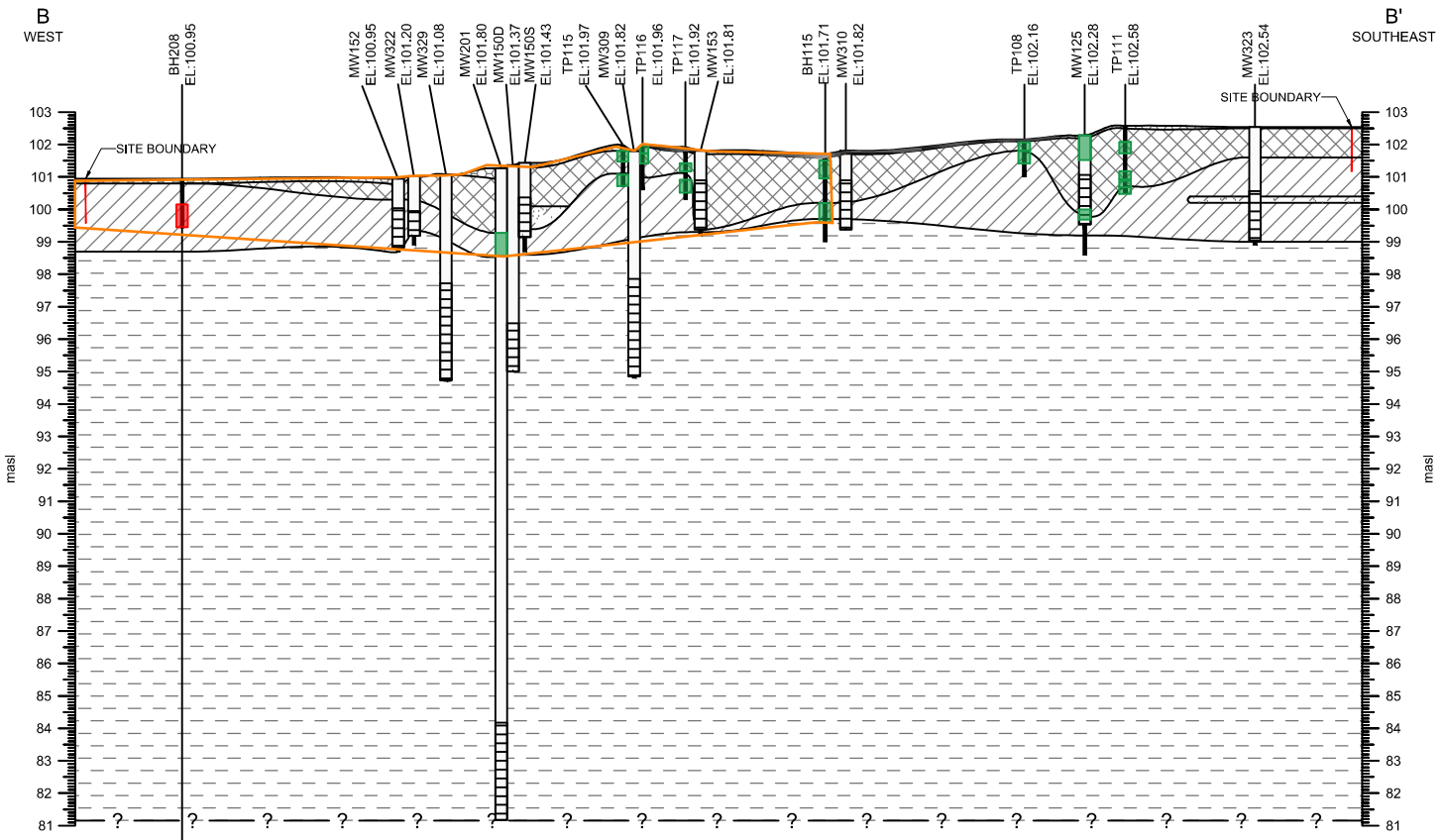
0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND/OR Hg
- SOIL SAMPLE MEETS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND Hg
- AREA OF CONTAMINATION (B-HWS, Cr(VI), CN-, AND/OR Hg IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS -
HOT WATER SOLUBLE BORON (B-HWS),
HEXAVALENT CHROMIUM [Cr(VI)],
FREE CYANIDE (CN-), AND MERCURY (Hg)
- DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 12E



BH208	BH208 S2
	19-Feb-2015
	0.8 - 1.5
Boron (hot water soluble)	2.1

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:
- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR ORPs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR ORPs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

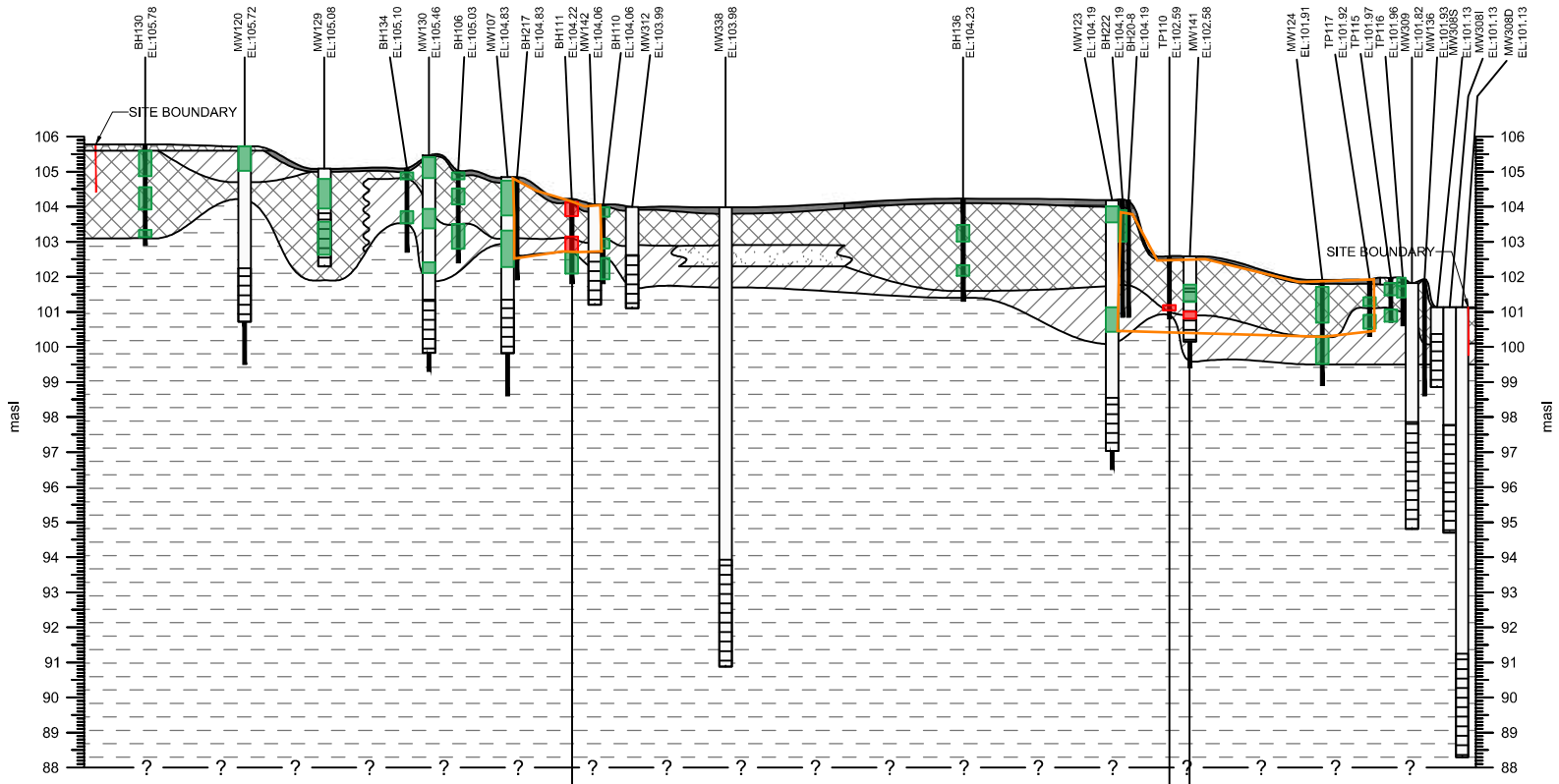
TITLE AND LOCATION:
CROSS SECTION B-B'
SOIL ANALYTICAL RESULTS - OTHER REGULATED PARAMETERS (ORPs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 12F

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

C
NORTHEAST

C'
SOUTHWEST



BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
Mercury	210	11	< 0.050

TP110	TP110-1	TPR-1
	24-Jul-2013	24-Jul-2013
	1.4 - 1.55	Field Duplicate of TP110-1
Boron (hot water soluble)	1.9	1.8

MW141	MW141-2	MW141-3
	1-Oct-2013	2-Oct-2013
	0.8 - 1.3	1.6 - 1.8
Boron (hot water soluble)	0.082	1.8

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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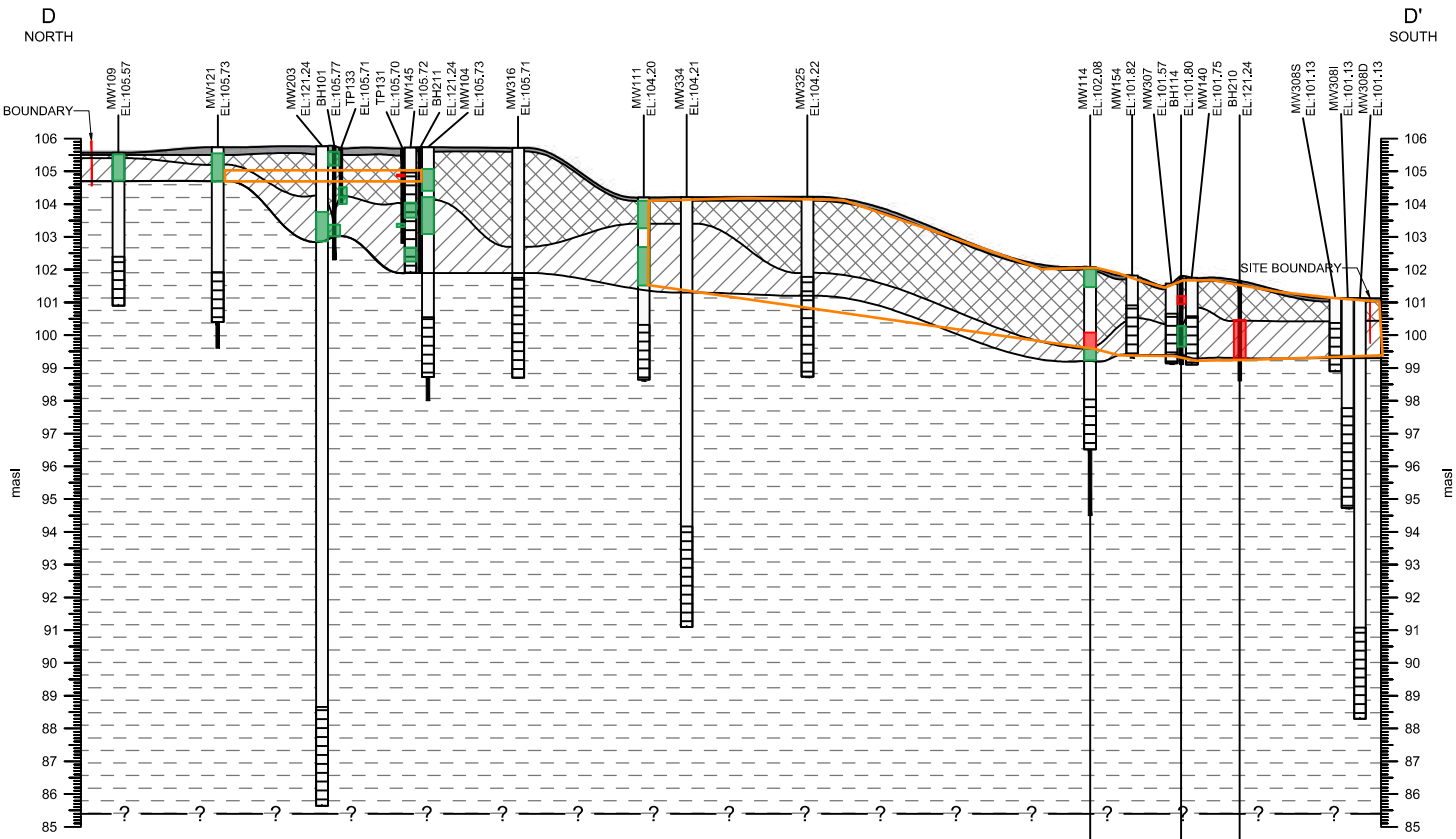
LEGEND:
- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR ORPs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR ORPs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:
CROSS SECTION C-C'
SOIL ANALYTICAL RESULTS - OTHER REGULATED PARAMETERS (ORPs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 12G

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg



MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
Boron (hot water soluble)	3.4	0.13	0.35
Mercury	15	< 0.050	< 0.050

BH210	BH210 S3
	18-Feb-2015
	1.2 - 2.4
Free Cyanide	0.07

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Boron (hot water soluble)	2.6	0.14
Mercury	30	0.081

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR ORPs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR ORPs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION D-D'
SOIL ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	12H

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Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Table 2 SCS
	Concentration
Electrical Conductivity (mS/cm) [EC]	0.7
Sodium Adsorption Ratio (unitless) [SAR]	5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

BOLD — Concentration considered to meet O. Reg. 153/04 Table 2 SCS as per section 49.1 (1) of O. Reg. 153/04

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N

0 20 40 60 80 100 m

- SOIL SAMPLE CONSIDERED TO MEET TABLE 2 SCS FOR EC AND SAR
- SOIL SAMPLE MEETS TABLE 2 SCS FOR EC AND SAR
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 13F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR)

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	13A

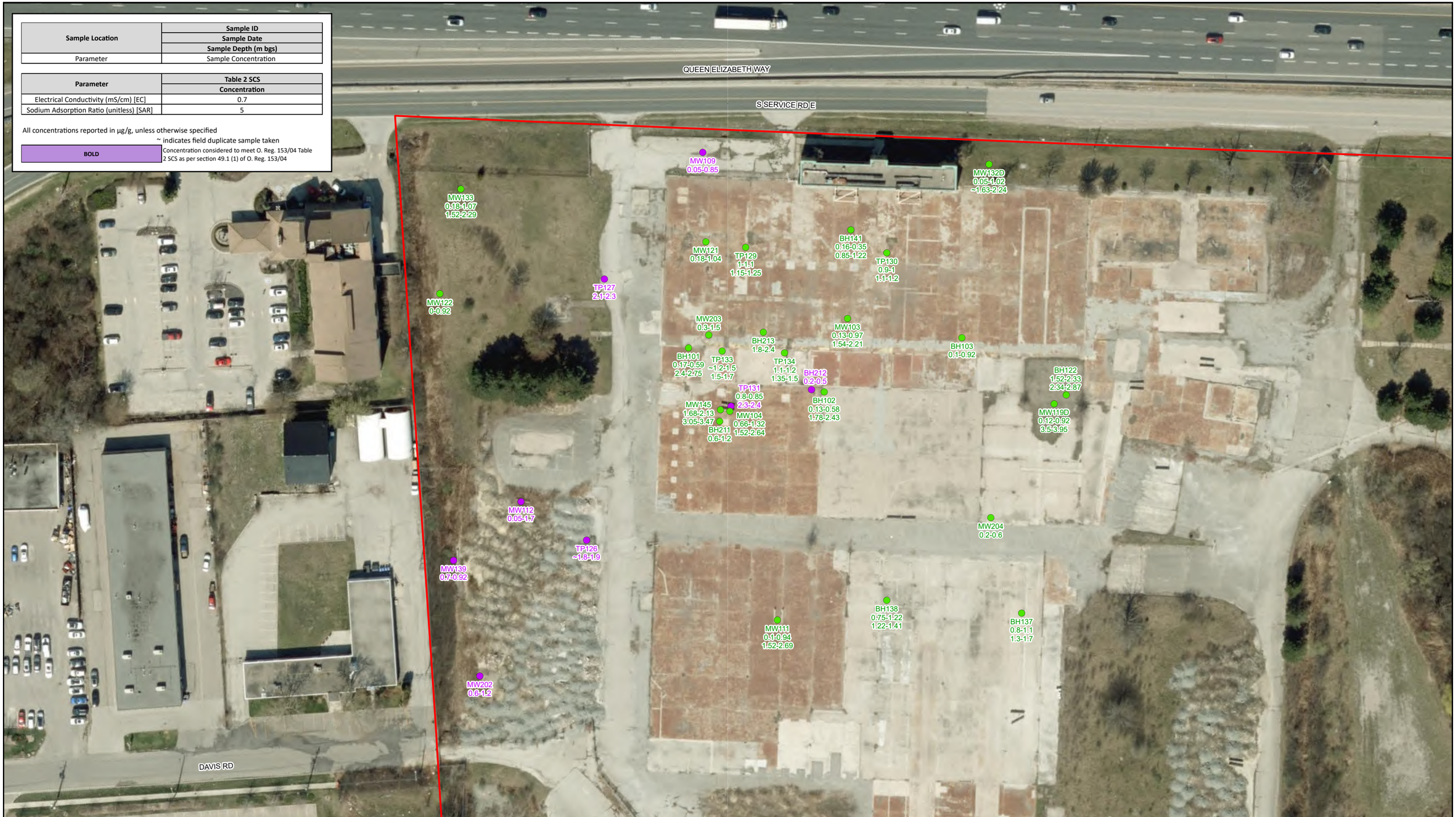
Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Table 2 SCS
	Concentration
Electrical Conductivity (mS/cm) [EC]	0.7
Sodium Adsorption Ratio (unitless) [SAR]	5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

BOLD — Concentration considered to meet O. Reg. 153/04 Table 2 SCS as per section 49.1 (1) of O. Reg. 153/04



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0 10 20 30 40 50 m

- SOIL SAMPLE CONSIDERED TO MEET TABLE 2 SCS FOR EC AND SAR
- SOIL SAMPLE MEETS TABLE 2 SCS FOR EC AND SAR
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 13F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR) - DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	13B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Table 2 SCS
	Concentration
Electrical Conductivity (mS/cm) [EC]	0.7
Sodium Adsorption Ratio (unitless) [SAR]	5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

BOLD — Concentration considered to meet O. Reg. 153/04 Table 2 SCS as per section 49.1 (1) of O. Reg. 153/04

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.13-0.46 1.524-1.98
MW116 0.2-0.9
BH121 0.13-0.61 2.06-2.75
TP128 1.65-1.75
MW129 0.07-0.3 0.3-1.14 1.52-2.46
BH120 0.13-0.43
MW102 0.1-1.07 ~1.524-2.72
BH104 0.15-0.69 1.52-2.69
BH215 1.2-2.4
MW118 0.16-0.75
MW130 0.05-0.64 1.52-2.08 3.05-3.35
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
BH134 0.12-0.32 1.22-1.57
MW131 0.2-0.5 0.66-0.99 1.52-2.14
BH119 0.36-0.89 ~1.72-2.28
MW137 0.85-1.1
TP104 ~0.3-0.8 0.8-0.9
BH106 0.05-0.25 0.51-0.97 1.52-2.23
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
MW107 0.1-1.09 1.52-2.56
BH107 0.05-0.56 1.52-2.03
BH217 0.8-1.5
BH216 ~0.8-1.5
BH140 0.61-0.96
D1 0-0.2
BH110 0.08-0.35 0.97-1.25 1.52-2.13
BH111 0.08-0.49 1.07-1.5 1.52-2.03
BH218 0.0-0.8
TP103 0.5-1.1 1.1-1.4
BH124 0.09-1.25 1.25-1.52 1.52-1.98
D2 0-0.2

MW117 0-0.7
BH139 1.22-1.86 2.44-2.65 0.18-0.91
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW120 0-0.7
BH127 0.2-0.5 0.5-1.25
MW128 0.2-0.85
BH131 0.19-0.66 1.22-1.62
MW105 0.1-0.57 1.5-2.25
MW127 0.1-0.45
BH132 1.22-1.7
BH129 0.38-1.54 1.54-2.44
BH128 0.14-1.08 1.52-2.15
TP138 0.5-0.6
BH133 0.1-0.48 1.22-1.76
MW207 0.5-1.5
MW106 0.08-0.84 1.52-1.82
MW126 0.1-0.35 1.52-1.8

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N

0 10 20 30 40 50 m

- SOIL SAMPLE CONSIDERED TO MEET TABLE 2 SCS FOR EC AND SAR
- SOIL SAMPLE MEETS TABLE 2 SCS FOR EC AND SAR
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 13F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR) - DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 13C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Table 2 SCS
	Concentration
Electrical Conductivity (mS/cm) [EC]	0.7
Sodium Adsorption Ratio (unitless) [SAR]	5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

BOLD — Concentration considered to meet O. Reg. 153/04 Table 2 SCS as per section 49.1 (1) of O. Reg. 153/04

DAVIS RD

BH113 0.07-1.0
MW134 0.1-0.7 2-2.6
BH123 0.05-0.75 0.8-1.22
TP122 0.1-0.5 0.7-0.8
MW148S 0.82-1.37 ~2.35-2.74
TP121 0-0.2 0.2-0.6 1-1.8
TP125 0-0.7 0.7-1
TP124 ~0-0.5 0.5-0.7
TP120 0-0.2 0.55-0.8 1.25-1.4
BH114 0.61-0.85 1.52-2.15
TP119 0.2-0.6 0.6-1.7
MW135 0-0.55
BH209 0.2-0.8
BH210 1.2-2.4
MW124 0.2-1.22 1.6-2.4
TP123 0-0.25 0.3-0.6
TP118 0.2-1.4
TP115 0.15-0.5 0.9-1.25
TP116 0-0.23 0.23-0.55
TP117 0.5-0.75 1-1.4
MW201 0.3-0.8
BH208 0.8-1.5
MW136 1.5-1.5 2.14-2.44
BH139 0.61-1.22 ~1.57-1.83
MW110D 0.11-0.64 1.52-2.39
BH112 0.18-0.99 1.52-2.54
BH136 0.75-1.22 1.9-2.2
BH116 0.16-0.61 ~1.65-4.02 4.02-4.57
MW123 0.17-0.62 3.05-3.75
BH222 0.3-1.2
MW114 0.07-0.61 2-2.5 2.5-2.85
MW141 0.8-1.3 1.6-1.8
TP110 ~1.4-1.55
TP109 0.07-0.2 0.3-1 1.85-2
BH135 1.22-1.75 2-2.4
BH115 0.2-0.75 1.52-2.1

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0 10 20 30 40 50 m

- SOIL SAMPLE CONSIDERED TO MEET TABLE 2 SCS FOR EC AND SAR
- SOIL SAMPLE MEETS TABLE 2 SCS FOR EC AND SAR
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 13F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR) - DETAIL MAP 3
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	13D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Table 2 SCS
	Concentration
Electrical Conductivity (mS/cm) [EC]	0.7
Sodium Adsorption Ratio (unitless) [SAR]	5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

BOLD — Concentration considered to meet O. Reg. 153/04 Table 2 SCS as per section 49.1 (1) of O. Reg. 153/04

BH223 0.8-1.5
TP105 0.1-0.65 0.85-1.03
D3 0-0.2
BH109 ~0-1.14 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
D4 0-0.2
MW108 0.13-1.07 1.52-1.95
BH219 0.0-0.8
TP101 0.3-0.65 1.4-1.75
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
D7 0-0.2
MW149 1.2-1.5 2.4-3
MW144 1.5-2.3 2.3-2.9
TP113 1-1.3 1.6-1.75
TP114 0.15-0.8
TP112 0.3-0.6 1.5-1.7
BH221 1.1-1.5
TP111 0.5-0.65 1.4-1.65 1.7-1.9 1.9-2.1
TP108 0.09-0.35 0.35-0.75
MW125 0-0.76 2.28-2.6

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0 10 20 30 40 50 m

- SOIL SAMPLE CONSIDERED TO MEET TABLE 2 SCS FOR EC AND SAR
- SOIL SAMPLE MEETS TABLE 2 SCS FOR EC AND SAR
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 13F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR) - DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 13E

MW101	MW101-1	MW101-3
	17-Jun-2013	17-Jun-2013
	0.13 - 0.46	1.524 - 1.98
EC	**0.84**	0.22

MW102	MW102-1	MW102-2	OW-MW102-2
	17-Jun-2013	17-Jun-2013	17-Jun-2013
	0.1 - 1.07	1.524 - 2.72	Field Duplicate of MW102-2
EC	**0.93**	0.36	0.35
SAR	**5.3**	**8**	**8.6**

BH104	BH-104 SA1	BH-104 SA2
	29-Jul-2013	29-Jul-2013
	0.15 - 0.69	1.52 - 2.69
EC	**1.1**	0.63
SAR	**10**	**26**

MW105	MW105-1	MW105-3
	18-Jun-2013	18-Jun-2013
	0.1 - 0.57	1.5 - 2.25
SAR	**8.3**	**5.3**

MW106	MW106-1	MW106-2
	18-Jun-2013	18-Jun-2013
	0.08 - 0.84	1.52 - 1.82
EC	**2.6**	0.45
SAR	**57**	**23**

BH106	BH106 SA1	BH106 SA1B	BH106 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.05 - 0.25	0.51 - 0.97	1.52 - 2.23
EC	0.33	**2.1**	**3**
SAR	**9.3**	**36**	**25**

MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
EC	**2.3**	**0.82**

BH107	BH107 SA1	BH107 SA2
	30-Jul-2013	30-Jul-2013
	0.05 - 0.56	1.52 - 2.03
EC	**0.97**	0.28

BH108	BH108-SA1A	BH108-SA1B	BH108-SA2A	BH108 SA2B
	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.13 - 0.61	1.24 - 1.52	1.52 - 1.88	1.88 - 2.21
EC	**1.5**	**0.74**	0.42	0.41
SAR	**15**	**12**	**11**	**6.7**

MW109	MW109-1_20130702
	2-Jul-2013
	0.05 - 0.85
EC	**0.86**
SAR	**13**

BH109	BH109-1	BH109-1	BH109-2
	18-Jun-2013	18-Jun-2013	18-Jun-2013
	0 - 1.14	0 - 1.14	1.52 - 2.29
EC	**0.86**	**0.86**	0.28

BH110	BH110SA1A	BH110 SA1B	BH110 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13
EC	0.28	**1.4**	0.46
SAR	3.2	**6.3**	2.5

BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
EC	0.45	**0.81**	0.4
SAR	**7**	2.1	3.8

MW112	MW112-1_20130702
	2-Jul-2013
	0.05 - 1.7
EC	**2.6**
SAR	**19**

BH113	BH113-1
	3-Jul-2013
	0.07 - 1 m
EC	**1.2**

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
EC	**1.1**	0.3	0.51
SAR	**15**	0.79	**5.5**

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
EC	**1.9**	0.61
SAR	**8.5**	0.95

BH115	BH115-1	BH115-2
	3-Jul-2013	3-Jul-2013
	0.2 - 0.75	1.52 - 2.1
EC	**2**	**2**
SAR	**24**	**5.1**

BH116	BH116-1	BH116-2	BH-AK	BH116-3
	8-Jul-2013	8-Jul-2013	8-Jul-2013	8-Jul-2013
	0.16 - 0.61	1.65 - 4.02	Field Duplicate of BH116-2	4.02 - 4.57
EC	0.47	0.16	**2**	0.31
SAR	0.18	0.63	**5.4**	0.82

BH117	BH117 SA1A	BH117SA1B	BH117SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.59	1.35 - 1.52	1.52 - 1.82
EC	**1.2**	**0.96**	0.6
SAR	1.7	**6.8**	2.6

BH120	BH120-SA1
	1-Aug-2013
	0.13 - 0.43
EC	**3.3**

MW124	MW124-1	MW124-2
	8-Jul-2013	8-Jul-2013
	0.2 - 1.22	1.6 - 2.4
EC	0.16	**1.2**

BH124	BH109 SA1A	BH124-SA1B	BH109 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.09 - 1.25	1.25 - 1.52	1.52 - 1.98
SAR	0.73	2	**8.1**

MW125	MW125-1	MW125-2
	8-Jul-2013	8-Jul-2013
	0 - 0.76	2.28 - 2.6
SAR	**6.8**	**9.2**

BH125	BH125-1	BH125-2
	7-Aug-2013	7-Aug-2013
	0.16 - 0.85	1.52 - 2.42
SAR	1.1	**5.9**

MW126	MW126-1	MW126-2
	15-Jul-2013	15-Jul-2013
	0.1 - 0.35	1.52 - 1.8
EC	0.5	**0.76**
SAR	4.6	**9.2**

BH126	BH126-1	BH126-2
	7-Aug-2013	7-Aug-2013
	0.52 - 1.01	1.52 - 2.32
EC	**0.95**	**0.77**

MW127	MW127-1
	15-Jul-2013
	0.1 - 0.45
EC	**2**
SAR	**21**

BH127	BH127-1	BH127-2
	7-Aug-2013	7-Aug-2013
	0.2 - 0.5	0.5 - 1.25
EC	**5.8**	**2.8**
SAR	**38**	3.7

MW129	MW129 SA1A	MW129 SA1B	MW129 SA2A
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0.07 - 0.3	0.3 - 1.14	1.52 - 2.46
EC	0.41	**0.88**	0.19

BH129	BH129-2	BH129-3
	8-Aug-2013	8-Aug-2013
	0.38 - 1.54	1.54 - 2.44
SAR	**13**	**12**

BH130	BH130-2	BHY-2	BH130-3	BH132-1
	8-Aug-2013	8-Aug-2013	8-Aug-2013	9-Aug-2013
	1.22 - 1.86	Field Duplicate of BH130-2	2.44 - 2.65	0.18 - 0.91
SAR	2.5	2.7	4.2	**16**

BH132	BH132-2
	9-Aug-2013
	1.22 - 1.7
SAR	**14**

BH133	BH133-1	BH133-2
	9-Aug-2013	9-Aug-2013
	0.1 - 0.48	1.22 - 1.76
SAR	**6.4**	4.6

MW134	MW134-1	MW134-2
	6-Aug-2013	6-Aug-2013
	0.1 - 0.7	2 - 2.6
SAR	2.9	**5.1**

BH134	BH134-1	BH134-2
	9-Aug-2013	9-Aug-2013
	0.12 - 0.32	1.22 - 1.57
EC	**2**	**1.4**
SAR	**8.3**	**6.5**

BH135	BH135-1	BH135-2
	13-Aug-2013	13-Aug-2013
	1.22 - 1.75	2 - 2.4
EC	**1.8**	**0.99**
SAR	**10**	**7.9**

MW137	MW137-1
	15-Aug-2013
	0.85 - 1.1
EC	**1**
SAR	**23**

MW139	MW139-1
	19-Aug-2013
	0.7 - 0.92
SAR	**16**

MW141	MW141-2	MW141-3
	1-Oct-2013	2-Oct-2013
	0.8 - 1.3	1.6 - 1.8
SAR	1.5	**7**

MW144	MW144 SA3	MW144 SA4(2)
	2-Oct-2013	2-Oct-2013
	1.5 - 2.3	2.3 - 2.9
EC	**1.3**	**1.1**
SAR	**5.1**	**8.7**

MW148S	MW148-S SA2B	MW148-S SA4B	DUP-5
	7-Oct-2013	7-Oct-2013	7-Oct-2013
	0.82 - 1.37	2.35 - 2.74	Field Duplicate of MW148-S SA4B
EC	**2.1**	0.24	0.22
SAR	**26**	3.8	3.8

MW202	MW202 S2
	18-Feb-2015
	0.6 - 1.2
EC	**3.1**
SAR	**14**

MW207	MW207 S1
	4-Feb-2015
	0.5 - 1.5
EC	**1**
SAR	**17**

BH210	BH210 S3
	18-Feb-2015
	1.2 - 2.4
EC	**0.87**

BH212	BH212 S1
	18-Feb-2015
	0.2 - 0.5
EC	**1.1**

BH217	BH217 S2
	19-Feb-2015
	0.8 - 1.5
EC	**1.5**
SAR	**8.4**

BH218	BH218 S1
	19-Feb-2015
	0.0 - 0.8
EC	**2.4**

BH219	BH219 S1
	19-Feb-2015
	0.0 - 0.8
EC	**4.1**
SAR	**6.5**

BH223	BH223 S2
	18-Feb-2015
	0.8 - 1.5
EC	**1.3**

D1	D1-0-0.2
	23-Jul-2013
	0 - 0.2
EC	**1**

D2	D2-0-0.2
	24-Jul-2013
	0 - 0.2
EC	**1.3**
SAR	**8.7**

D3	D3-0-0.2
	24-Jul-2013
	0 - 0.2
EC	**0.94**
SAR	**7.2**

D4	D4-0-0.2
	24-Jul-2013
	0 - 0.2
EC	**1.1**
SAR	**6.1**

D5	D5-0-0.1
	24-Jul-2013
	0 - 0.1
EC	**1.4**
SAR	**6.2**

D6	D6-0-0.15
	24-Jul-2013
	0 - 0.15
EC	**1**
SAR	**5.2**

TP101	TP101-1	TP101-2
	22-Jul-2013	22-Jul-2013
	0.3 - 0.85	1.4 - 1.75
EC	**1.1**	0.49

TP102	TP102-1	TP102-2	TP102-3
	22-Jul-2013	22-Jul-2013	22-Jul-2013
	0 - 0.5	0.5 - 1.2	1.2 - 1.55
EC	**0.92**	0.69	0.24

TP103	TP103-1	TP103-2
	22-Jul-2013	22-Jul-2013
	0.5 - 1.1	1.1 - 1.4
EC	**1.1**	**0.73**

TP104	TP104-1	TPAD-1	TP104-2
	23-Jul-2013	23-Jul-2013	23-Jul-2013
	0.3 - 0.8	Field Duplicate of TP104-1	0.8 - 0.9
EC	**0.97**	**1.4**	0.5

TP105	TP105-1	TP105-2
	23-Jul-2013	23-Jul-2013
	0.1 - 0.85	0.85 - 1.03
EC	0.37	**0.96**
SAR	**8**	**17**

TP107	TP107-1	TP107-2	TP107-3
	23-Jul-2013	23-Jul-2013	23-Jul-2013
	0.09 - 0.4	0.4 - 0.95	1 - 1.45
EC	0.14	**1.4**	**0.79**
SAR	0.31	**9.4**	**18**

TP108	TP108-1	TP108-2
	23-Jul-2013	23-Jul-2013
	0.09 - 0.35	0.35 - 0.75
SAR	0.32	**10**

TP109	TP109-1	TP109-2	TP109-3
	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.07 - 0.2	0.3 - 1	1.85 - 2
EC	0.22	**2.5**	**1.4**
SAR	1.9	**18**	2.1

TP110	TP110-1	TPR-1
	24-Jul-2013	24-Jul-2013
	1.4 - 1.55	Field Duplicate of TP110-1
EC	**1.5**	**1.3**

TP111	TP111-1	TP111-2	TP111-3	TP111-4
	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.5 - 0.85	1.4 - 1.65	1.7 - 1.9	1.9 - 2.1
SAR	4.2	**5.9**	**7.1**	**9.7**

TP113	TP113-2	TP113-3
	25-Jul-2013	25-Jul-2013
	1 - 1.3	1.6 - 1.75
EC	0.23	**0.72**
SAR	2.9	**5.8**

TP119	TP119-2	TP119-3
	26-Jul-2013	26-Jul-2013
	0.2 - 0.6	0.6 - 1.7
EC	**3**	**1.9**
SAR	**17**	4.7

TP120	TP120-1	TP120-2	TP120-3
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0 - 0.2	0.55 - 0.8	1.25 - 1.4
EC	0.23	**1.2**	**1.1**
SAR	0.47	**21**	**28**

TP121	TP121-1	TP121-2	TP121-3
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0 - 0.2	0.2 - 0.6	1 - 1.3
SAR	0.23	4.4	**7.4**

TP126	TP126-1	TPB-1
	30-Jul-2013	30-Jul-2013
	1.8 - 1.9	Field Duplicate of TP126-1
EC	**2.3**	**2**
SAR	**6.5**	**6.3**

TP127	TP127-1
	31-Jul-2013
	2.1 - 2.3
SAR	**5.3**

TP131	TP131-1	TP131-2
	3-Oct-2013	3-Oct-2013
	0.8 - 0.85	2.3 - 2.4
EC	0.29	**0.8**

TP138	TP138-1
	8-Oct-2013
	0.5 - 0.6
EC	**1.5**
SAR	**21**

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Table 2 SCS
	Concentration
Electrical Conductivity (mS/cm) [EC]	0.7
Sodium Adsorption Ratio (unitless) [SAR]	5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

BOLD — Concentration considered to meet O. Reg. 153/04 Table 2 SCS as per section 49.1 (1) of O. Reg. 153/04

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR) - EXCEEDANCES
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	GTR-23006348-E1
DWN:	AC
SCALE:	NOT APPLICABLE
CHKD:	JH
DATE:	AUGUST 2024
FIG. No.:	13F

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR pH
- SOIL SAMPLE MEETS TABLE 2 SCS FOR pH
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - pH
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 14A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging

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S SERVICE RD E

DAVIS RD

MW109 0.05-0.85
MW132D 0.05-1.02 ~1.63-2.24
MW133 0.18-1.07 1.52-2.29
BH141 0.16-0.35 0.85-1.22
TP130 0.9-1 1.1-1.2
MW121 0.18-1.04
TP129 1-1.1 1.15-1.25
TP127 2.1-2.3
MW122 0-0.92
BH213 0.2-0.5 0.5-1.2
MW203 0.3-1.5
MW103 0.13-0.97 1.54-2.21
BH103 0.1-0.92
BH101 0.17-0.59 2.4-2.75
TP133 ~1.2-1.5 1.5-1.7
TP134 1.1-1.2 1.35-1.5
BH122 1.52-2.33 2.34-2.87
TP131 0.8-0.85 2.3-2.4
MW145 1.68-2.13 3.05-3.47
BH212 0.2-0.5 0.5-1.2
BH102 0.13-0.58 1.78-2.43
MW104 0.66-1.32 1.52-2.64
MW119D 0.12-0.92 3.5-3.95
BH211 0.2-0.6 0.6-1.2
MW112 0.05-1.7
MW204 0.2-0.6
TP126 ~1.8-1.9
MW139 0.7-0.92
BH138 0.75-1.22 1.22-1.41
MW111 0.1-0.94 1.52-2.69
BH137 0.8-1.1 1.3-1.7
MW202 0.6-1.2

BH102	BH-102-1	BH212A SS1A	BH212A SS1B	BH212A SS1C	BH212A SS1D	Average
	16-Jul-2013	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.13 - 0.58	0.10-0.60	0.10-0.60	0.10-0.60	0.10-0.60	
pH	9.02	6.79	6.82	6.76	6.76	6.88

MW203	MW203 S1	MW203A SS1A	MW203A SS1B	MW203A SS1C	Average
	10-Feb-2015	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.3 - 1.5	0.3-1.5	0.3-1.5	0.3-1.5	
pH	9.52	7.6	7.46	7.34	9.58

BH211	BH211 S1	MW104A SS1A	MW104A SS1B	MW104A SS1C	Average
	18-Feb-2015	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	
pH	9.35	6.56	6.59	6.62	6.71

BH212	BH212 S1	BH212A SS1A	BH212A SS1B	BH212A SS1C	BH212A SS1D	Average
	18-Feb-2015	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.2 - 0.5	0.2-0.5	0.2-0.5	0.2-0.5	0.2-0.5	
pH	11.7	6.79	6.82	6.76	6.76	6.88

MW104	MW104-2	MW104A SS2A	MW104A SS2B	MW104A SS2C	Average
	17-Jun-2013	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.66 - 1.32	0.66-1.32	0.66-1.32	0.66-1.32	
pH	10.1	6.63	6.68	6.69	6.79

MW204	MW204 S1	MW204A SS1A	MW2044A SS1A	MW204A SS1B	MW2044A SS1B	MW204A SS1C	MW2044A SS1C	Average
	18-Feb-2015	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	
pH	11	7.25	6.92	7.17	6.82	7.13	6.79	7.04

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR pH
- SOIL SAMPLE MEETS TABLE 2 SCS FOR pH
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - pH
- DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 14B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging

MW101	MW101-1	BH214A SS1A	BH214A SS1B	BH214A SS1C	BH214A SS1D	Average
	17-Jun-2013	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.13 - 0.46	0.10-0.5	0.10-0.5	0.10-0.5	0.10-0.5	
pH	11.4	6.75	6.74	6.73	6.72	6.83

BH214	BH214 S1	BH214A SS1A	BH214A SS1B	BH214A SS1C	BH214A SS1D	Average
	13-Feb-2015	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.2 - 0.5	0.2-0.5	0.2-0.5	0.2-0.5	0.2-0.5	
pH	11.7	6.75	6.74	6.73	6.72	6.83

BH120	BH120-SA1	BH120A SS1A	BH120A SS1B	BH120A SS1C	BH120A SS1D	Average
	1-Aug-2013	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.13 - 0.43	0.10-0.5	0.10-0.5	0.10-0.5	0.10-0.5	
pH	12	8.51	8.1	7.88	7.70	8.05

BH215	BH215 S1	DUP-4	BH120A SS1A	BH120A SS1B	BH120A SS1C	BH120A SS1D	Average
	13-Feb-2015	13-Feb-2015	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.2 - 1.2	Field Duplicate of BH215 S1	0.2-1.2	0.2-1.2	0.2-1.2	0.2-1.2	
pH	8.35	11.5	8.51	8.1	7.88	7.70	8.09

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S SERVICE RD E

MW115 0.2-0.8
MW101 0.13-0.46 1.524-1.98
BH214 0.5-1.2
BH121 0.13-0.61 2.06-2.75
MW116 0.2-0.9
MW117 0-0.7
BH130 1.22-1.86 2.44-2.65 0.18-0.91
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW120 0-0.7
BH131 0.19-0.66 1.22-1.62
MW128 0.2-0.85
BH128 0.14-1.08 1.52-2.15
BH127 0.2-0.5 0.5-1.25
MW127 0.1-0.45
TP128 1.65-1.75
MW129 0.07-0.3 0.3-1.14 1.52-2.46
BH120 0.13-0.43
MW102 0.1-1.07 ~1.524-2.72
BH132 1.22-1.7
BH129 0.38-1.54 1.54-2.44
MW105 0.1-0.57 1.5-2.25
TP138 0.5-0.6
MW118 0.16-0.75
BH215 0.2-1.2 ~1.2-2.4
BH104 0.15-0.69 1.52-2.69
BH134 0.12-0.32 1.22-1.57
BH133 0.1-0.48 1.22-1.76
MW207 0.5-1.5
MW130 0.05-0.64 1.52-2.08 3.05-3.35
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
MW131 0.2-0.5 0.66-0.99 1.52-2.14
BH119 0.36-0.89 ~1.72-2.28
MW137 0.85-1.1
TP104 ~0.3-0.8 0.8-0.9
MW107 0.1-1.09 1.52-2.56
BH106 0.05-0.25 0.51-0.97 1.52-2.23
MW106 0.08-0.84 1.52-1.82
MW126 0.1-0.35 1.52-1.8
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
BH107 0.05-0.56 1.52-2.03
BH217 0.8-1.5
BH216 ~0.8-1.5
BH140 0.61-0.96
D1 0-0.2
BH110 0.08-0.35 0.97-1.25 1.52-2.13
BH111 0.08-0.49 1.07-1.5 1.52-2.03
TP103 0.5-1.1 1.1-1.4
BH124 0.09-1.25 1.25-1.52 1.52-1.98
BH218 (D2 0.8 0-0.2

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR pH
- SOIL SAMPLE MEETS TABLE 2 SCS FOR pH
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - pH - DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 14C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging

BH223	BH223 S1	BH117A SS1A	BH117A SS1B	BH117A SS1C	Average
	18-Feb-2015	12-Aug-2024	12-Aug-2024	12-Aug-2024	
	0.0 - 0.8	0-0.8	0-0.8	0-0.8	
pH	11.6	11.2	11.2	11.3	11.3

BH117	BH117 SA1A	BH117A SS1A	BH117A SS1B	BH117A SS1C	Average
	31-Jul-2013	12-Aug-2024	12-Aug-2024	12-Aug-2024	
	0.08 - 0.59	0.08-0.59	0.08-0.59	0.08-0.59	
pH	11.5	11.2	11.2	11.3	11.28

BH223 0.0-0.8 0.8-1.5
D3 0-0.2
TP105 0.1-0.85 0.85-1.03
BH109 ~0-1.14 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
D4 0-0.2
MW108 0.13-1.07 1.52-1.95
BH219 0.0-0.8
TP101 0.3-0.85 1.4-1.75
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
D7 0-0.2
MW149 1.2-1.5 2.4-3
MW144 1.5-2.3 2.3-2.9
TP113 1-1.3 1.6-1.75
TP114 0.15-0.8
TP112 0.3-0.6 1.5-1.7
BH221 1.1-1.5
TP111 0.5-0.85 1.4-1.65 1.7-1.9 1.9-2.1
TP108 0.09-0.35 0.35-0.75
MW125 0-0.76 2.28-2.6

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR pH
- SOIL SAMPLE MEETS TABLE 2 SCS FOR pH
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - pH
- DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 14D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging

BH223	BH223 S1	BH117A SS1A	BH117A SS1B	BH117A SS1C	Average
	18-Feb-15	12-Aug-24	12-Aug-24	12-Aug-24	
	0.0 - 0.8	0-0.8	0-0.8	0-0.8	11.3
pH	11.6	11.2	11.2	11.3	

BH117	BH117 SA1A	BH117A SS1A	BH117A SS1B	BH117A SS1C	Average
		12-Aug-24	12-Aug-24	12-Aug-24	
		0.08-0.59	0.08-0.59	0.08-0.59	11.28
pH	11.5	11.2	11.2	11.3	

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR pH
- SOIL SAMPLE MEETS TABLE 2 SCS FOR pH
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - pH
- DETAIL MAP 3
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	14D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Methyl Mercury	0.0094

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY
N SERVICE RD E
S SERVICE RD E
DAVIS RD
CHARTWELL RD
TROY

BH141 0.85-1.22
TP127 2.1-2.3
BH102 0.13-0.58
MW119D 0.12-0.92
BH119 0.36-0.89
MW107 0.1-1.09 1.52-2.56
BH217 0.8-1.5
BH216 0.8-1.5
BH142A 0-0.5 1.67-1.82
BH140 0.61-0.96
TP103 0.5-1.1
BH218 0.0-0.8
D2 0-0.2
BH331 0-0.8 0.8-1.22
BH109 0-1.14
TP105 0.85-1.03
D3 0-0.2
D4 0-0.2
MW138 0.7-1.22
BH108A 0.76-1.52
BH219 0.0-0.8
TP101 1.4-1.75
D5 0-0.1
TP102 0-0.5 0.5-1.2
BH330 0.5-0.8 0.8-1.22
D6 0-0.15
D7 0-0.2
TP107 0.4-0.95
TP106 0.2-0.45
MW114 0.07-0.61
BH114-N 0.61-0.91
TP110 1.4-1.55
TP109 0.3-1
BH114 0.61-0.85
BH114-E 0.61-0.91
TP119 0.2-0.6 0.6-1.7
BH114-S 0.61-0.91
BH115 0.2-0.75
TP111 0.5-0.85
BH221 1.1-1.5

BH218	BH218 S1
	19-Feb-2015
	0.0 - 0.8
Methyl Mercury	0.0235

D2	D2-0-0.2
	24-Jul-2013
	0 - 0.2
Methyl Mercury	0.0122

BH219	BH219 S1
	19-Feb-2015
	0.0 - 0.8
Methyl Mercury	0.0211

BH114	BH114-1
	3-Jul-2013
	0.61 - 0.85
Methyl Mercury	0.0875

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METHYL MERCURY
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METHYL MERCURY
- AREA OF CONTAMINATION (METHYL MERCURY IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - METHYL MERCURY
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 15

All concentrations reported in µg/g, unless otherwise specified .
~ indicates field duplicate sample taken

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0 20 40 60 80 100 m

SOIL SAMPLE MEETS TABLE 2 SCS FOR PCBs

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS (PCBs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	16A

All concentrations reported in µg/g, unless otherwise specified .
~ indicates field duplicate sample taken

QUEEN ELIZABETH WAY

S SERVICE RD E

DAVIS RD

MW109
0.05-0.85

MW132D
~0.05-1.02
1.63-2.24

MW133
0.18-1.07
1.52-2.29

BH141
0.16-0.35
0.85-1.22

MW121
0.18-1.04

TP127
2.1-2.3

MW122
0-0.92

MW103
0.13-0.97
1.54-2.21

BH103
0.1-0.92

BH101
0.17-0.59
2.4-2.75

BH122
1.52-2.33
2.34-2.87

BH102
0.13-0.58
1.78-2.43

MW119D
0.12-0.92
3.5-3.95

MW104
0.66-1.32
1.52-2.64

MW112
0.05-1.7

TP126
1.8-1.9

MW139
0.7-0.92

BH138
0.75-1.22
1.22-1.41

MW111
0.1-0.94
1.52-2.69

BH137
0.8-1.1
1.3-1.7

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0 10 20 30 40 50 m

SOIL SAMPLE MEETS TABLE 2 SCS FOR PCBs

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS (PCBs) - DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 16B

All concentrations reported in µg/g, unless otherwise specified .
~ indicates field duplicate sample taken

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.13-0.46 1.524-1.98
BH121 0.13-0.61 2.06-2.75
MW116 0.2-0.9
TP128 1.65-1.75
MW129 0.07-0.3 0.3-1.14 1.52-2.46
MW102 0.1-1.07 1.524-2.72
BH104 0.15-0.69 1.52-2.69
MW118 0.16-0.75
MW130 0.05-0.64 1.52-2.08 3.05-3.35
BH134 0.12-0.32 1.22-1.57
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
MW131 0.2-0.5 0.66-0.99 1.52-2.14
BH119 0.36-0.89 1.72-2.28
TP104 0.3-0.8 0.8-0.9
MW107 0.1-1.09 1.52-2.56
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
BH107 0.05-0.56 1.52-2.03
BH106 0.05-0.25 0.51-0.97 1.52-2.23
MW137 0.85-1.1
BH140 0.61-0.96
D1 0-0.2
BH110 0.08-0.35 0.97-1.25 1.52-2.13
BH111 0.08-0.49 1.07-1.5 1.52-2.03
TP103 0.5-1.1 1.1-1.4
BH124 0.09-1.25 1.52-1.98
D2 0-0.2
MW117 0-0.7
BH130 1.22-1.86 2.44-2.65 0.18-0.91
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW120 0-0.7
MW128 0.2-0.85
BH131 0.19-0.66 1.22-1.62
BH127 0.2-0.5 0.5-1.25
MW127 0.1-0.45
BH132 1.22-1.7
BH129 0.38-1.54 1.54-2.44
BH128 0.14-1.08 1.52-2.15
MW105 0.1-0.57 1.5-2.25
BH133 0.1-0.48 1.22-1.76
MW106 0.08-0.84 1.52-1.82
MW126 0.1-0.35 1.52-1.8

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0 10 20 30 40 50 m

SOIL SAMPLE MEETS TABLE 2 SCS FOR PCBs

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS (PCBs) - DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 16C

All concentrations reported in µg/g, unless otherwise specified .
~ indicates field duplicate sample taken

DAVIS RD

BH113
0.07-1.0

MW134
0.1-0.7
2-2.6

BH123
0.05-0.75
~0.8-1.22

TP122
~0.1-0.5
0.7-0.8

TP121
0-0.2
0.2-0.6
1-1.3

TP125
0-0.7
0.7-1

TP124
~0-0.5
0.6-0.7

TP120
0-0.2
0.55-0.8
1.25-1.4

TP119
0.2-0.6
0.6-1.7

MW135
0-0.55

TP123
0-0.25
0.3-0.6

TP118
0.2-1.4

BH139
0.61-1.22
1.57-1.83

MW110D
0.11-0.64
1.52-2.39

BH112
0.18-0.99
1.52-2.54

BH136
0.75-1.22
1.9-2.2

BH116
0.16-0.61
~1.65-4.02
4.02-4.57

MW114
0.07-0.61
2-2.5
2.5-2.85

MW123
0.17-0.62
3.05-3.75

TP109
0.07-0.2
0.3-1
1.85-2

TP110
~1.4-1.55

BH135
1.22-1.75
2-2.4

BH114
0.61-0.85
1.52-2.15

MW124
0.2-1.22
1.6-2.4

TP115
0.15-0.5
0.9-1.25

BH115
0.2-0.75
1.52-2.1

TP116
0-0.23
0.23-0.55

TP117
0.5-0.75
1-1.4

MW136
1.3-1.5
2.14-2.44

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0 10 20 30 40 50 m

SOIL SAMPLE MEETS TABLE 2 SCS FOR PCBs

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS (PCBs) - DETAIL MAP 3
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 16D

All concentrations reported in µg/g, unless otherwise specified .
~ indicates field duplicate sample taken

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0 10 20 30 40 50 m

SOIL SAMPLE MEETS TABLE 2 SCS FOR PCBs

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS (PCBs) - DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 16E

All concentrations reported in µg/g, unless otherwise specified .
~ indicates field duplicate sample taken

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0 20 40 60 80 100 m

SOIL SAMPLE MEETS TABLE 2 SCS FOR OCPs

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - ORGANOCHLORINE PESTICIDES (OCPs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 17

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Benzene	5
PHC F2	150
PHC F3	500

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

* indicates sample was only analyzed for BTEX

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

MW154	MW154	MW154	MW154	MW154	MW154	MW154
	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023	25-Jun-2024
	0.91 - 2.43					
Benzene	2.2	1.8	5.53	3.12	3	<0.20

MW140	MW140	Duplicate of MW140	MW140	MW140	MW140	MW140	MW140
	Aug 22'	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023	25-Jun-2024
	1.17 - 2.69						
Benzene	4.1	4.1	3	6.76	9.5	9.5	4.57

MW207A	MW207A
	13-Aug-2024
	3.81 - 5.33
PHC F2	617
PHC F3	568

MW126	MW126	MW126
	13-Jul-2023	26-Jun-2024
	1.37 - 2.90	
PHC F2	718	514

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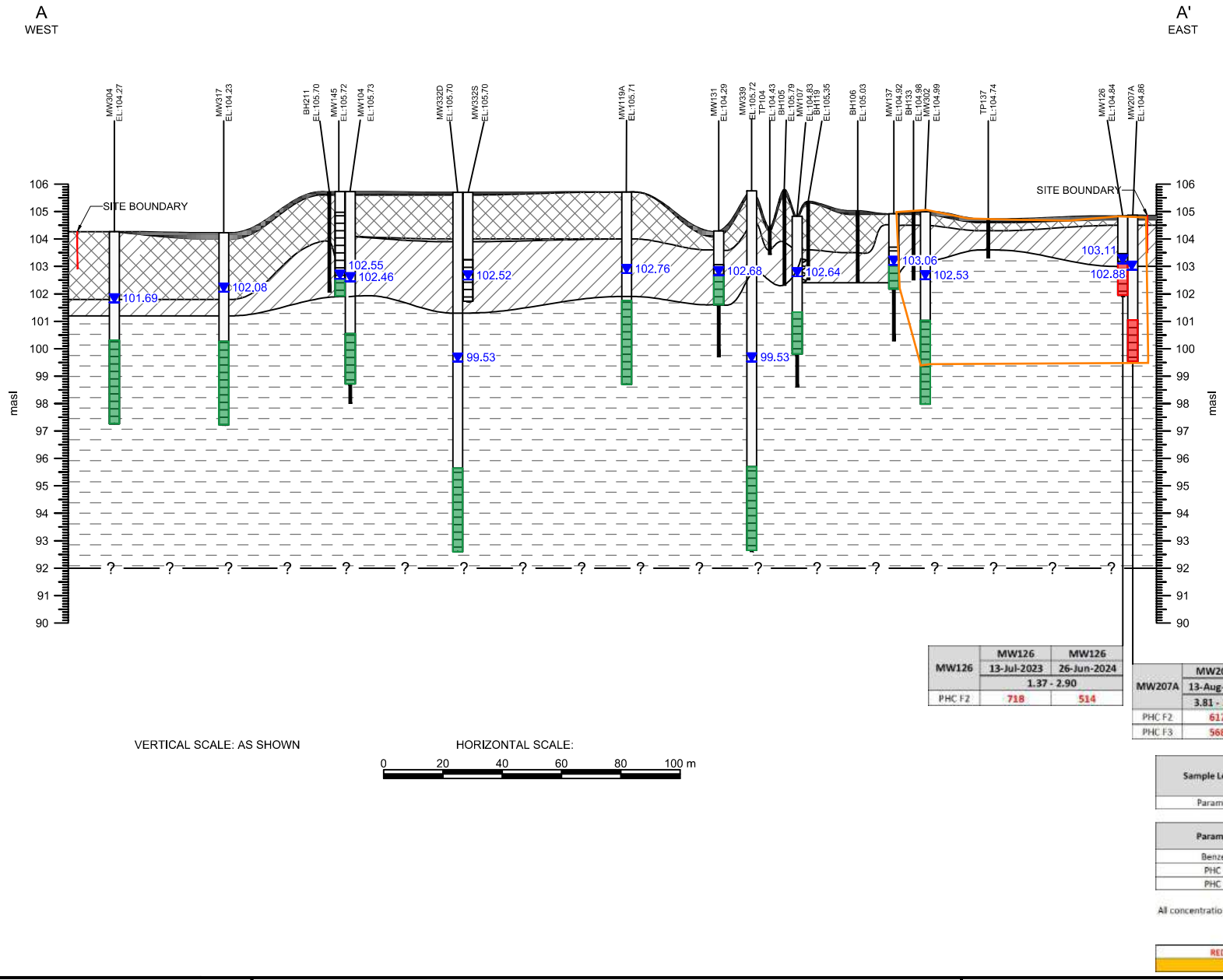
0 20 40 60 80 100 m

- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PHCs
- AREA OF CONTAMINATION [PHCs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [PHCs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 18



MW126	MW126	MW126
	13-Jul-2023	26-Jun-2024
	1.37 - 2.90	
PHC F2	718	514

MW207A	MW207A
	13-Aug-2024
	3.81 - 5.33
PHC F2	617
PHC F3	568

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Benzene	5
PHC F2	150
PHC F3	500

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
* indicates sample was only analyzed for BTEX
RED Exceedance of O.Reg 153/04 Table 2 SCS RPI
Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:
- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs AND BTEX
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PHCs AND BTEX
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:
CROSS SECTION A-A'
GROUNDWATER ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	18A

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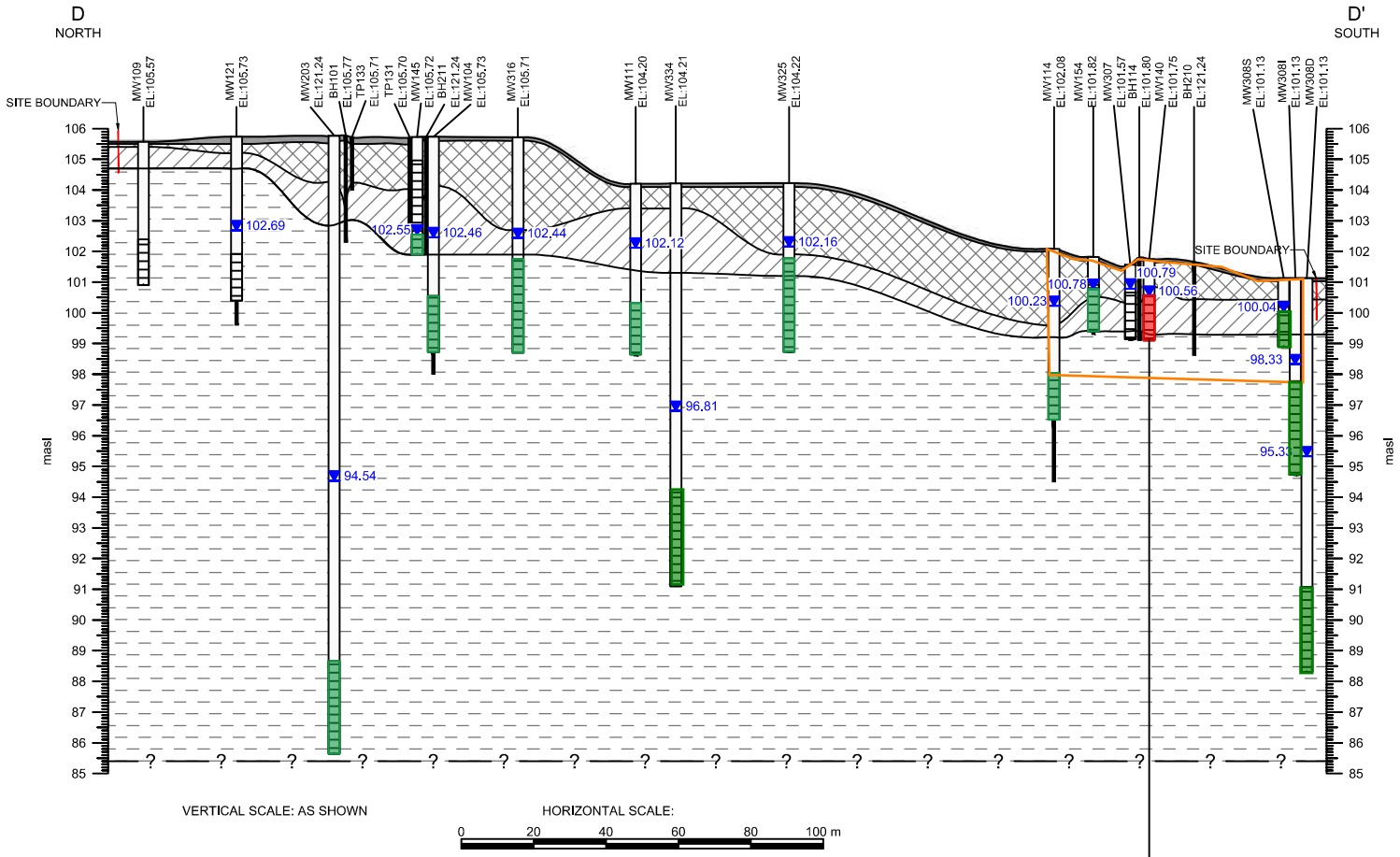

MW140	MW140	Duplicate of MW140	MW140	MW140	MW140	MW140	MW140
	Aug 22'	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023	25-Jun-2024
				1.17 - 2.69			
Benzene	4.1	4.1	3	6.76	9.5	9.5	4.57

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Benzene	5
PHC F2	150
PHC F3	500

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
* indicates sample was only analyzed for BTEX
RED Exceedance of O.Reg 153/04 Table 2 SCS RPI
Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:
- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs AND BTEX
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PHCs AND BTEX
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:
CROSS SECTION D-D'
GROUNDWATER ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	18B

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

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0 20 40 60 80 100 m

- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	19A

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

DAVIS RD

MW133 1.98-3.51
MW133A 5.49-7.01
MW340 10.0-13.0
MW132S 1.22-2.74
MW132D 7.77-9.30
MW122 3.66-5.18
MW314 3.66-6.71
MW103 1.83-3.35
MW203 17.1-20.1
MW333 10.0-13.0
MW145 0.76-3.81
MW104 5.18-7.01
MW315 3.96-7.01
MW304 3.96-7.01
MW317 3.96-7.01
MW332D 10.0-13.0
MW112 ~3.81-5.33
MW316 3.96-7.01
MW204 17.1-20.1
MW139 1.37-2.9
MW324 2.44-5.49
MW334 10.0-13.0
MW111 3.89-5.56
MW319 2.44-5.49

MW314	MW314
	13-Sep-2023
	3.66 - 6.71
Cis-1,2-Dichloroethylene	67.5
Vinyl Chloride	7.61

MW104	MW104
	13-Jul-2023
	5.18 - 7.01
Cis-1,2-Dichloroethylene	28
Vinyl Chloride	3.27

MW315	MW315
	13-Sep-2023
	3.96 - 7.01
Trichloroethylene	18.6

MW317	MW317
	13-Sep-2023
	3.96 - 7.01
Vinyl Chloride	3.48

MW112	MW 112	MW 1122
	6-Aug-2024	6-Aug-2024
	3.81-5.33	Field Duplicate of MW111
Vinyl Chloride	3.31	3.31

MW316	MW316
	13-Sep-2023
	3.96 - 7.01
Vinyl Chloride	1.75

MW319	MW319
	20-Oct-2023
	2.44 - 5.49
Vinyl Chloride	21.9

MW324	MW324
	13-Sep-2023
	2.44 - 5.49
Cis-1,2-Dichloroethylene	53.8
Vinyl Chloride	26.2

MW111	MW111	MW1111	MW111
	13-Jul-2023	13-Jul-2023	17-Jul-2024
	3.89 - 5.56	Field Duplicate of MW111	3.89 - 5.56
Cis-1,2-Dichloroethylene	13.1	13.4	18.2
Trichloroethylene	3.15	3.21	8.12
Vinyl Chloride	2.11	1.68	1.46

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0 10 20 30 40 50 m

- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs) - DETAIL MAP 1

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 19B

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

MW101 3.66-5.18

MW116 3.96-5.49

MW120 3.48-5.00

MW129 1.27-2.90

MW102 4.47-6.15

MW118 4.70-6.22

MW130 4.11-5.64

MW339 10.0-13.0

MW302 3.96-7.01

MW137 1.22-2.74

MW131 1.22-2.74

MW107 3.50-5.03

MW313 2.13-3.51

MW142 ~1.37-2.90

MW312 1.37-2.90

MW2 4.18-6.34

MW338 10.0-13.0

MW127 1.37-2.90

MW207A 3.81-5.33

MW126 1.37-2.90

MW129	MW 129
	6-Aug-2024
	1.27 - 2.90
Trichloroethylene	16.7

MW130	MW130
	13-Jul-2023
	4.11 - 5.64
Trichloroethylene	13.1

MW131	MW 131	MW 131	MW 131	MW 131
	Aug 22'	Apr 23'	12-Jul-2023	19-Oct-2023
	1.22 - 2.74			
Cis-1,2-Dichloroethylene	-	-	508	21
Trichloroethylene	290	21	1.12	0.27
Vinyl Chloride	1.1	3.1	133	62

MW107	MW107
	12-Jul-2023
	3.50 - 5.03
Cis-1,2-Dichloroethylene	113
Trichloroethylene	282
Vinyl Chloride	7.5

MW312	MW312
	20-Oct-2023
	1.37 - 2.90
Cis-1,2-Dichloroethylene	883
Trans-1,2-Dichloroethylene	19.6
Trichloroethylene	16.4
Vinyl Chloride	184

MW142	MW142	MW142	MW142	MW1422	MW142
	Aug 22'	Apr 23'	12-Jul-2023	12-Jul-2023	19-Oct-2023
	1.37 - 2.90			Field Duplicate of MW142	1.37 - 2.90
Cis-1,2-Dichloroethylene	160	170	219	236	130
Trichloroethylene	250	120	179	191	1.6
Vinyl Chloride	3.9	3	9.9	10.7	28

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0 10 20 30 40 50 m

- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs) - DETAIL MAP 2

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 19C

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

MW325	MW325
	20-Oct-2023
	2.44 - 5.49
Cis-1,2-Dichloroethylene	186
Vinyl Chloride	25.7

MW320	MW320
	20-Oct-2023
	4.57 - 7.62
Vinyl Chloride	6.53

MW148D	MW148D	MW1488D
	13-Jul-2023	13-Jul-2023
	4.11 - 5.64	Field Duplicate of MW148D
Vinyl Chloride	12.2	11.7

MW306	MW306
	12-Aug-2024
	0.91 - 2.44
Vinyl Chloride	15.6

MW110D	MW110D	MW110D	Duplicate of MW110D	MW110D	MW110D	Duplicate of MW110D
	Aug 22'	Apr 23'	Apr 23'	13-Jul-2023	19-Oct-2023	19-Oct-2023
	3.86 - 5.54		Field Duplicate of MW110D	3.86 - 5.54		Field Duplicate of MW110D
Bromomethane	<0.50	<0.50	<0.50	<0.20	<5.0	<5.0
1,2-Dichlorobenzene	<0.40	<0.40	<0.40	<0.10	<4.0	<4.0
1,4-Dichlorobenzene	<0.40	<0.40	<0.40	<0.10	<4.0	<4.0
Cis-1,2-Dichloroethylene	910	150	140	261	9.3	8.5
Ethylene Dibromide (1,2-Dibromoethane)	<0.19	<0.19	<0.19	<0.10	<1.9	<1.9
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.10	<5.0	<5.0
1,1,2,2-Tetrachloroethane	<0.40	<0.40	<0.40	<0.10	<4.0	<4.0
Trichloroethylene	55	2.7	2.6	0.94	<2.0	<2.0
Vinyl Chloride	31	20	18	134	160	160
1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.30	<5.0	<5.0

MW140	MW140	Duplicate of MW140	MW140	MW140	MW140	MW140
	Aug 22'	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023
	1.17 - 2.69	Duplicate of MW140	1.17 - 2.69			
Bromomethane	<0.50	<0.50	<2.5	<0.20	<0.20	<0.50
1,4-Dichlorobenzene	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40
Cis-1,2-Dichloroethylene	660	660	29	4.11	<0.20	1.2
Ethylene Dibromide (1,2-Dibromoethane)	<0.19	<0.19	<0.95	<0.10	<0.10	<0.19
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<2.5	<0.10	<0.10	<0.50
1,1,2,2-Tetrachloroethane	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40
Vinyl Chloride	250	260	23	<0.17	<0.17	<0.20
1,3-Dichloropropene	<0.50	<0.50	<2.5	<0.30	<0.30	<0.50

MW311	MW311
	12-Aug-2024
	3.66 - 4.11
Vinyl Chloride	7.51

MW329	MW329
	12-Aug-2024
	4.88 - 6.4
Vinyl Chloride	3.52

MW309	MW309
	12-Aug-2024
	3.96 - 7.01
Vinyl Chloride	2.42

MW308S	MW308S
	20-Oct-2023
	2.44 - 5.49
Cis-1,2-Dichloroethylene	157
Trichloroethylene	19.8
Vinyl Chloride	71.2

MW150S	MW150S	MW150S	MW150S	MW150S	MW150S	MW150S
	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023	24-Jun-2024
	1.06 - 2.29					
Cis-1,2-Dichloroethylene	21	2.9	24.5	10.2	11	3.5
Vinyl Chloride	21	2.4	54.1	39.3	23	21.2

MW150D	MW150D	MW150D	MW150DD	MW150D
	14-Sep-2023	19-Oct-2023	19-Oct-2023	24-Jun-2024
	4.88 - 6.40		Field Duplicate of MW150D	4.88 - 6.40
Cis-1,2-Dichloroethylene	33.8	10.9	13.6	19.2
Vinyl Chloride	47.7	17.7	22.8	23.7

MW205 17.1-20.1
MW110S 1.04-2.62
MW110D 3.86-5.54
MW151 1.52-3.05
MW305 3.96-7.01
MW113 1.29-2.81
MW325 2.44-5.49
MW320 4.57-7.62
MW320D 10.0-13.0
MW148S 0.70-2.23
MW148D 4.11-5.64
MW155 0.91-2.44
MW4 3.96-5.47
MW114 4.04-5.56
MW146 1.37-2.90
MW123 5.64-7.16
MW306 0.91-2.44
MW154 0.91-2.43
MW336 10.0-13.0
MW141 0.91-2.44
MW140 1.17-2.69
MW327 3.66-5.18
MW311 3.66-4.11
MW329 4.88-6.4
MW201 17.1-20.1
MW150S 1.06-2.29
MW153 0.91-2.44
MW310 0.94-2.44
MW152 0.91-2.13
MW150D 4.88-6.40
MW309 3.96-7.01
MW308S 1.06-2.29
MW308I 4.88-6.4
MW308D 10.0-13.0

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0 10 20 30 40 50 m

- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs) - DETAIL MAP 3

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 19D

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

MW138
1.98-3.51

MW108
4.67-6.20

MW326
2.13-3.66

MW337
10.0-13.0

MW143
0.76-2.29

MW328
1.52-3.05

MW323
1.98-3.51

MW125
1.22-2.74

MW125	MW125	MW125	MW125	MW125	MW125	MW125
	Aug 22'	Apr 23'	09/14/2023	19-Oct-2023	19-Oct-2023	24-Jun-2024
	1.22 - 2.74					
Cis-1,2-Dichloroethylene	0.72	87	4.62	1.67	2	13
Trichloroethylene	<0.20	11	<0.40	<0.20	<0.20	<0.20
Vinyl Chloride	<0.20	1.3	3.68	1.26	1.4	0.89

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N

0 10 20 30 40 50 m

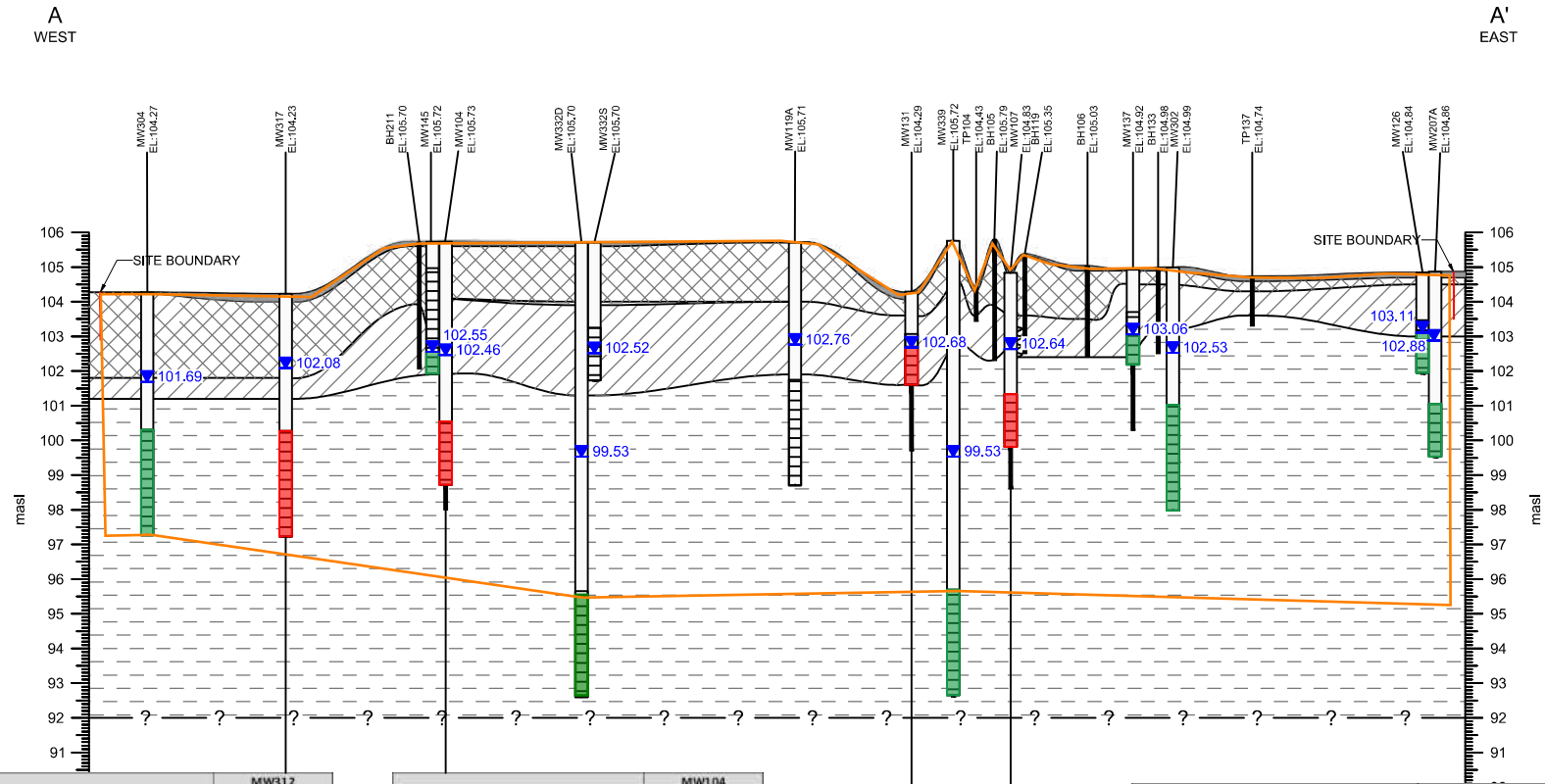
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs) - DETAIL MAP 4

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 19E



MW312	MW312
	20-Oct-2023
	1.37 - 2.90
Cis-1,2-Dichloroethylene	883
Trans-1,2-Dichloroethylene	19.6
Trichloroethylene	16.4
Vinyl Chloride	184

MW104	MW104
	13-Jul-2023
	5.18 - 7.01
Cis-1,2-Dichloroethylene	28
Vinyl Chloride	3.27

MW131	MW 131	MW 131	MW 131	MW 131
	Aug 22'	Apr 23'	12-Jul-2023	19-Oct-2023
	1.22 - 2.74			
Cis-1,2-Dichloroethylene	-	-	508	21
Trichloroethylene	290	21	1.12	0.27
Vinyl Chloride	1.1	3.1	133	62

MW107	MW107
	12-Jul-2023
	3.50 - 5.03
Cis-1,2-Dichloroethylene	113
Trichloroethylene	282
Vinyl Chloride	7.5

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

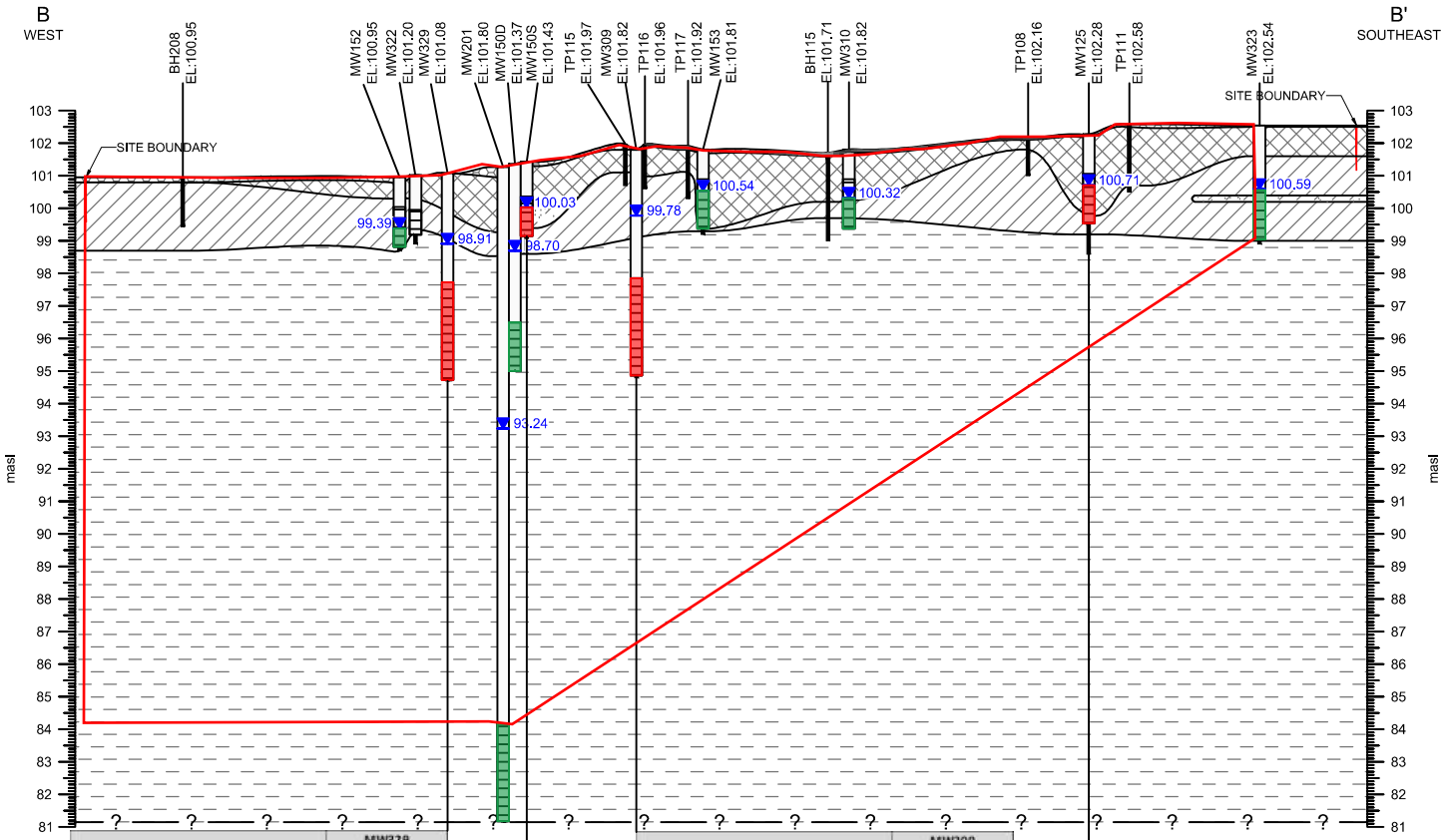
- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION A-A'
GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	19F

\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg



MW329	MW329
	12-Aug-2024
	4.88 - 6.4
Vinyl Chloride	3.52

MW309	MW309
	12-Aug-2024
	3.96 - 7.01
Vinyl Chloride	2.42

MW150S	MW150S	MW150S	MW150S	MW150S	MW150S	MW150S
	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023	24-Jun-2024
			1.06 - 2.29			
Cis-1,2-Dichloroethylene	21	2.9	24.5	10.2	11	3.5
Vinyl Chloride	21	2.4	54.1	39.3	23	21.2

MW125	MW125	MW125	MW125	MW125	MW125	MW125
	Aug 22'	Apr 23'	09/14/2023	19-Oct-2023	19-Oct-2023	24-Jun-2024
			1.22 - 2.74			
Cis-1,2-Dichloroethylene	0.72	87	4.62	1.67	2	13
Trichloroethylene	<0.20	11	<0.40	<0.20	<0.20	<0.20
Vinyl Chloride	<0.20	1.3	3.68	1.26	1.4	0.89

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 10 20 30 40 50 60 m

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION B-B'
GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	19G

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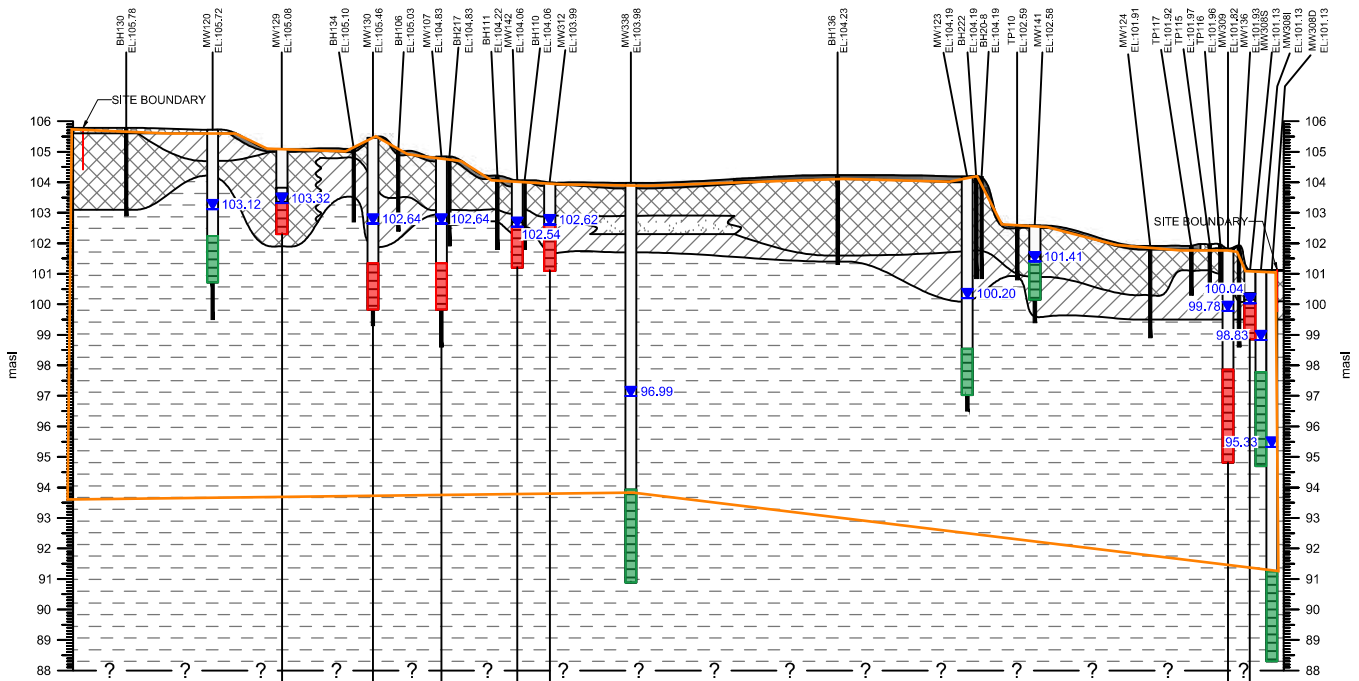
C
NORTHEAST

C'
SOUTHWEST



MW129	MW 129
	6-Aug-2024
	1.27 - 2.90
Trichloroethylene	16.7

MW130	MW130
	13-Jul-2023
	4.11 - 5.64
Trichloroethylene	13.1

MW107	MW107
	12-Jul-2023
	3.50 - 5.03
Cis-1,2-Dichloroethylene	113
Trichloroethylene	282
Vinyl Chloride	7.5

MW309	MW309
	12-Aug-2024
	3.96 - 7.01
Vinyl Chloride	2.42

MW312	MW312
	20-Oct-2023
	1.37 - 2.90
Cis-1,2-Dichloroethylene	883
Trans-1,2-Dichloroethylene	19.6
Trichloroethylene	16.4
Vinyl Chloride	184

MW308S	MW308S
	20-Oct-2023
	2.44 - 5.49
Cis-1,2-Dichloroethylene	157
Trichloroethylene	19.8
Vinyl Chloride	71.2

MW142	MW142	MW142	MW142	MW1422	MW142
	Aug 22'	Apr 23'	12-Jul-2023	12-Jul-2023	19-Oct-2023
	1.37 - 2.90			Field Duplicate of MW142	1.37 - 2.90
Cis-1,2-Dichloroethylene	160	170	219	236	130
Trichloroethylene	250	120	179	191	1.6
Vinyl Chloride	3.9	3	9.9	10.7	28

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified
" indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Non-detect but detection limit exceeds the MECP (2011) SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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LEGEND:
- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs

TITLE AND LOCATION:
CROSS SECTION C-C'
GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 19H

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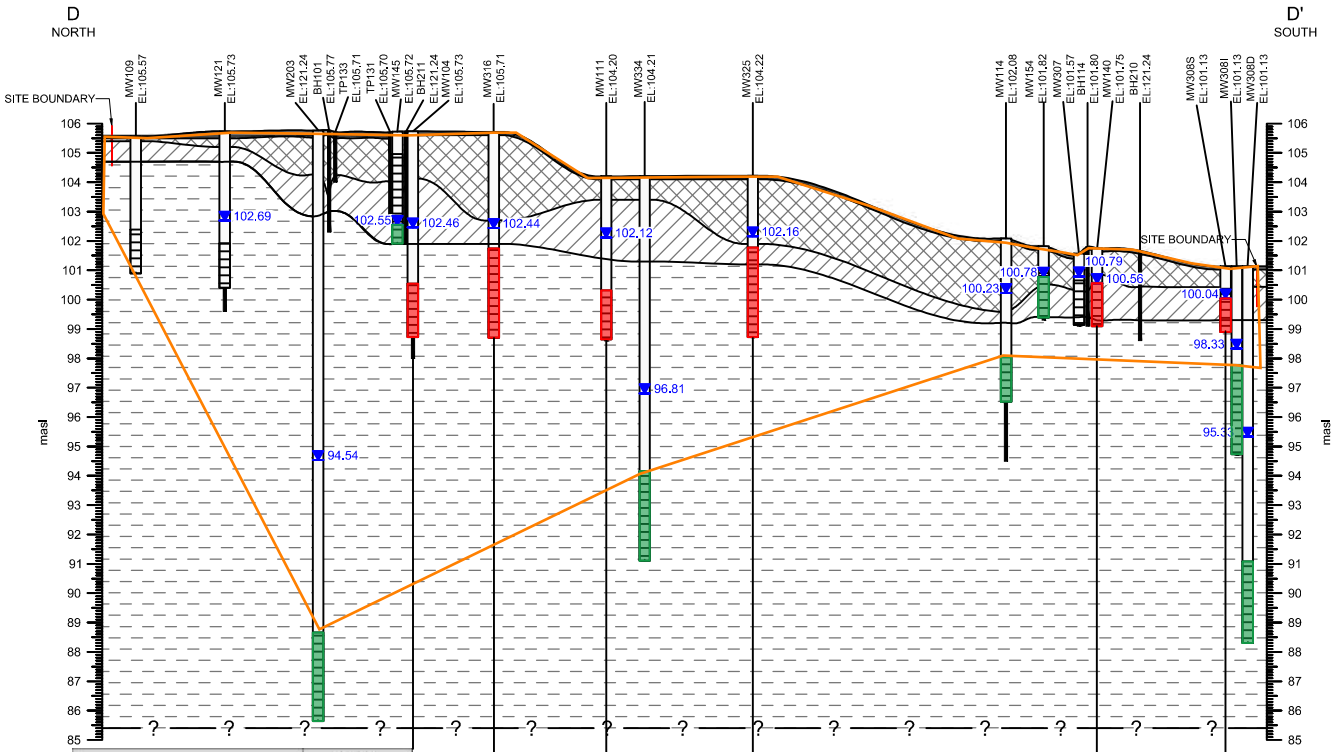

MW104	MW104
	13-Jul-2023
	5.18 - 7.01
Cis-1,2-Dichloroethylene	28
Vinyl Chloride	3.27

MW316	MW316
	13-Sep-2023
	3.96 - 7.01
Vinyl Chloride	1.75

MW111	MW111	MW1111	MW111
	13-Jul-2023	13-Jul-2023	17-Jul-2024
	3.89 - 5.56	Field Duplicate of MW111	3.89 - 5.56
Cis-1,2-Dichloroethylene	13.1	13.4	18.2
Trichloroethylene	3.15	3.21	8.12
Vinyl Chloride	2.11	1.68	1.46

MW325	MW325
	20-Oct-2023
	2.44 - 5.49
Cis-1,2-Dichloroethylene	186
Vinyl Chloride	25.7

MW308S	MW308S
	20-Oct-2023
	2.44 - 5.49
Cis-1,2-Dichloroethylene	157
Trichloroethylene	19.8
Vinyl Chloride	71.2

MW140	MW140	Duplicate of MW140	MW140	MW140	MW140	MW140
	Aug 22'	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023
	1.17 - 2.69	Duplicate of MW140	1.17 - 2.69			
Bromomethane	<0.50	<0.50	<2.5	<0.20	<0.20	<0.50
1,4-Dichlorobenzene	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40
Cis-1,2-Dichloroethylene	660	660	29	4.11	<0.20	1.2
Ethylene Dibromide (1,2-Dibromoethane)	<0.19	<0.19	<0.95	<0.10	<0.10	<0.19
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<2.5	<0.10	<0.10	<0.50
1,1,2,2-Tetrachloroethane	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40
Vinyl Chloride	250	260	23	<0.17	<0.17	<0.20
1,3-Dichloropropene	<0.50	<0.50	<2.5	<0.30	<0.30	<0.50

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified

" indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION D-D'
GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	19I

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Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
1&2-Methylnaphthalene	3.2
Acenaphthene	4.1
Chrysene	0.1
Phenanthrene	1

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

MW129	MW 129
	6-Aug-2024
	1.27 - 2.90
Chrysene	0.11

MW207A	MW207A
	13-Aug-2024
	3.81 - 5.33
1&2-Methylnaphthalene	15
Chrysene	0.11
Phenanthrene	3.54

MW126	MW126	MW126
	13-Jul-2023	26-Jun-2024
	1.37 - 2.90	1.37 - 2.90
1&2-Methylnaphthalene	119	79
Acenaphthene	4.67	2.22
Phenanthrene	3.78	2.11

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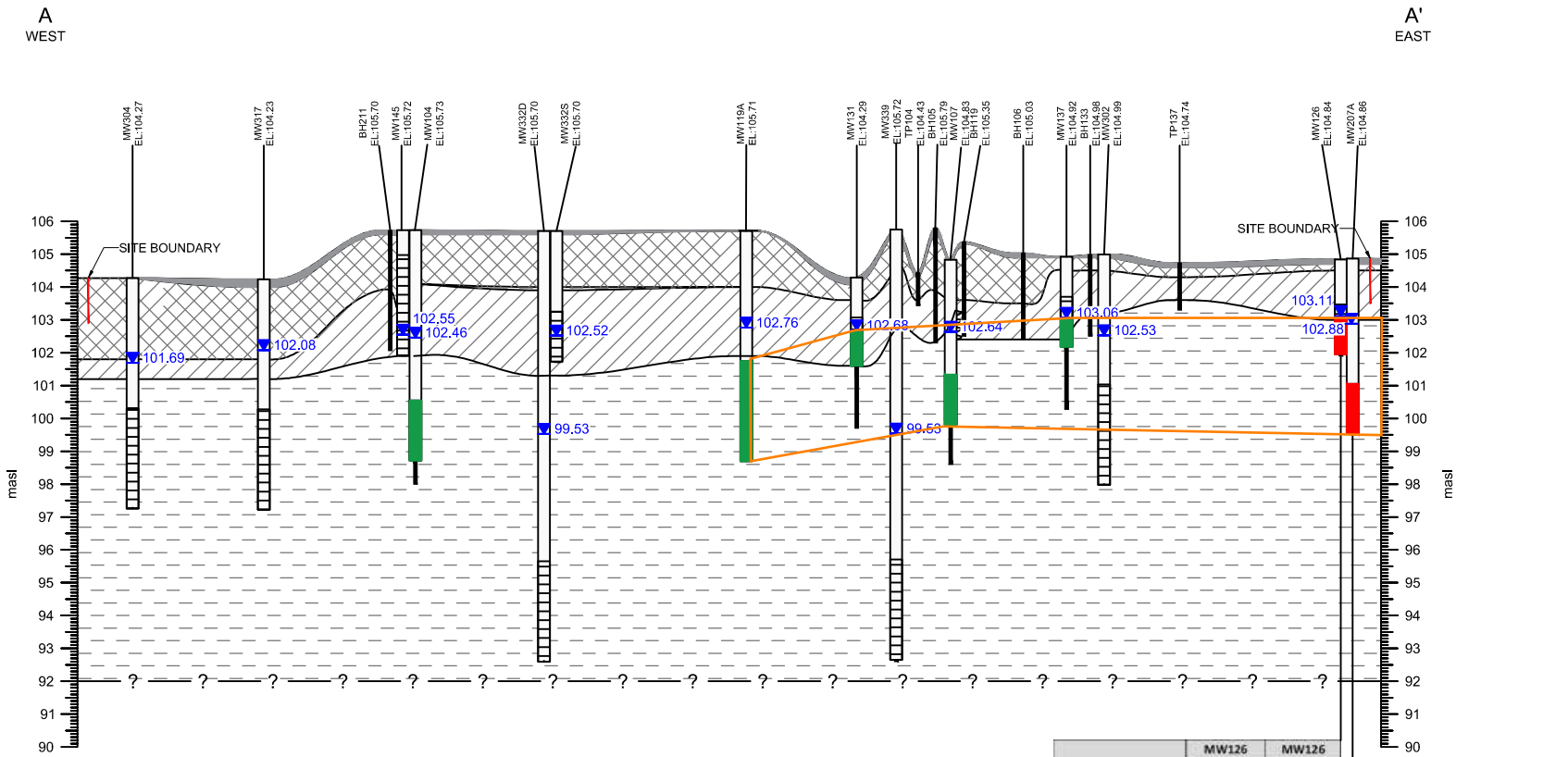
0 20 40 60 80 100 m

- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PAHs
- AREA OF CONTAMINATION [PAHs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [PAHs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	20



MW126	MW126	MW126
	13-Jul-2023	26-Jun-2024
	1.37 - 2.90	1.37 - 2.90
1&2-Methylnaphthalene	119	79
Acenaphthene	4.67	2.22
Phenanthrene	3.78	2.11

MW207A	MW207A
	13-Aug-2024
	3.81 - 5.33
1&2-Methylnaphthalene	15
Chrysene	0.11
Phenanthrene	3.54

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Parameter	Table 2 SCS
	Concentration (µg/L)
1&2-Methylnaphthalene	3.2
Acenaphthene	4.1
Chrysene	0.1
Phenanthrene	1

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PAHs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION A-A'
GROUNDWATER ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	20A

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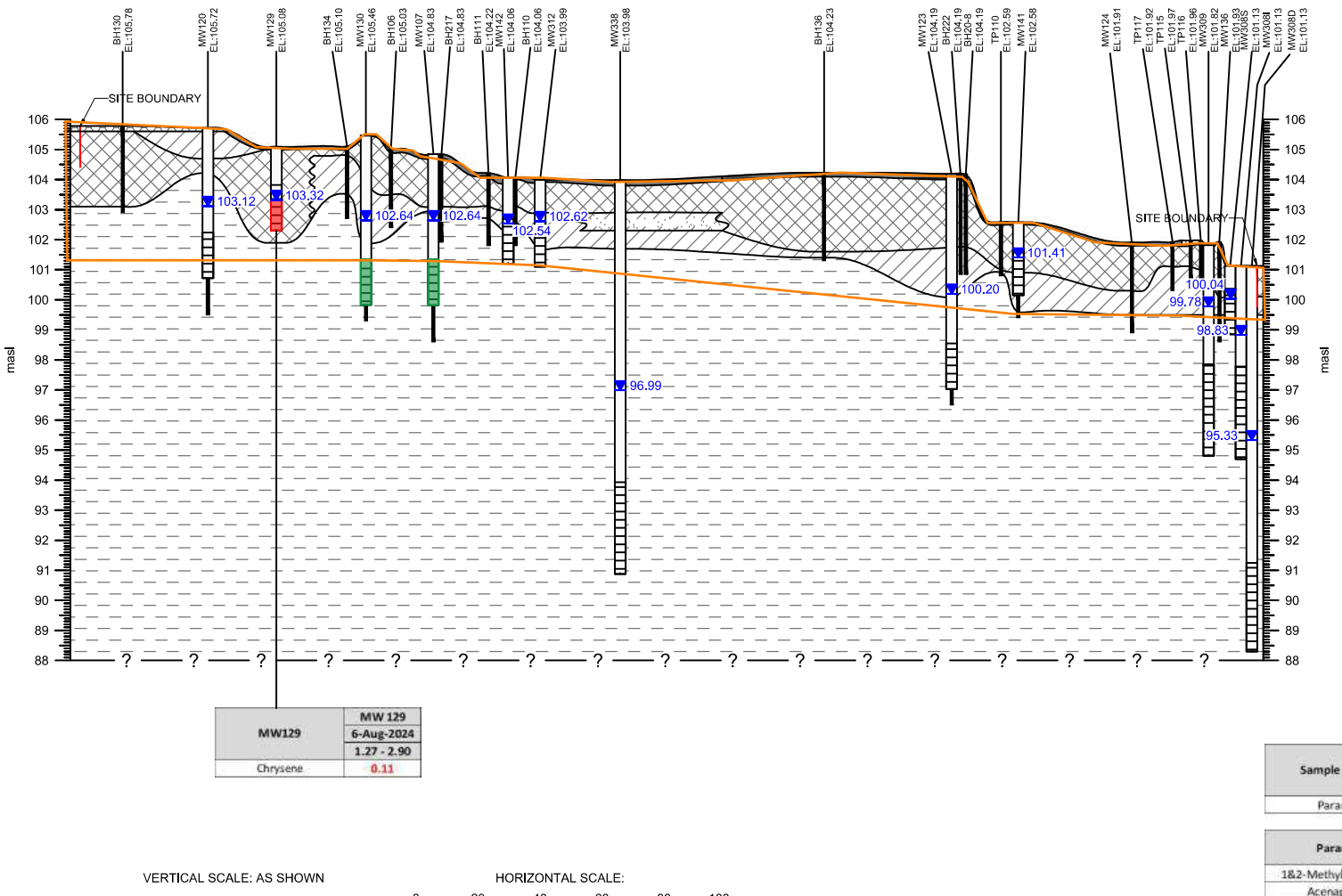
C
NORTHEAST

C'
SOUTHWEST



MW129	MW 129
	6-Aug-2024
	1.27 - 2.90
Chrysene	0.11

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
1&2-Methylnaphthalene	3.2
Acenaphthene	4.1
Chrysene	0.1
Phenanthrene	1

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PAHs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:
CROSS SECTION C-C'
GROUNDWATER ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	19H

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Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Cobalt	3.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

QUEEN ELIZABETH WAY

N SERVICE RD E

S SERVICE RD E

DAVIS RD

CHARTWELL RD

MW133 1.98-3.51

MW132S 1.22-2.74

MW132D 7.77-9.30

MW1 3.51-5.00

MW203 17.1-20.1

MW129 1.27-2.90

MW207A 3.81-5.33

MW332S 1.37 - 2.90

MW131 1.22-2.74

MW107 3.50-5.03

MW137 1.22-2.74

MW126 1.37-2.90

MW204 17.1-20.1

MW301 1.37 - 2.90

MW139 1.37-2.9

MW142 1.37-2.90

MW312 1.37-2.90

MW2 4.18 - 6.34

MW205 17.1-20.1

MW110S 1.04-2.62

MW138 1.98-3.51

MW131	MW131	
	26-Jun-2024	
	1.22 - 2.74	
Cobalt	6.29	

MW126	MW126	MW1266	MW126
	13-Jul-2023	13-Jul-2023	26-Jun-2024
	1.37 - 2.90	Field Duplicate of MW126	1.37 - 2.90
Cobalt	1.58	43.5	1.55

MW154	MW154	MW154	MW154
	14-Sep-2023	19-Oct-2023	25-Jun-2024
	0.91 - 2.43		
Cobalt	30	16.5	1.22

MW153	MW153	MW153
	19-Oct-2023	24-Jun-2024
	0.91 - 2.44	
Cobalt	3.87	1.2

MW155 0.91-2.44

MW306 0.91 - 2.44

MW154 0.91-2.43

MW141 0.91-2.44

MW307 0.91 - 2.44

MW327 3.66-5.18

MW328 1.52-3.05

MW311 3.66 - 4.11

MW201 17.1-20.1

MW150S 1.06-2.29

MW323 1.98-3.51

MW152 0.91-2.13

MW150D 4.88-6.40

MW153 0.91-2.44

MW125 1.22-2.74

100

0 20 40 60 80 100 m

GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR METALS

GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR METALS

AREA OF CONTAMINATION [METALS IN GROUNDWATER (OVERBURDEN)]

APPROXIMATE SITE BOUNDARY

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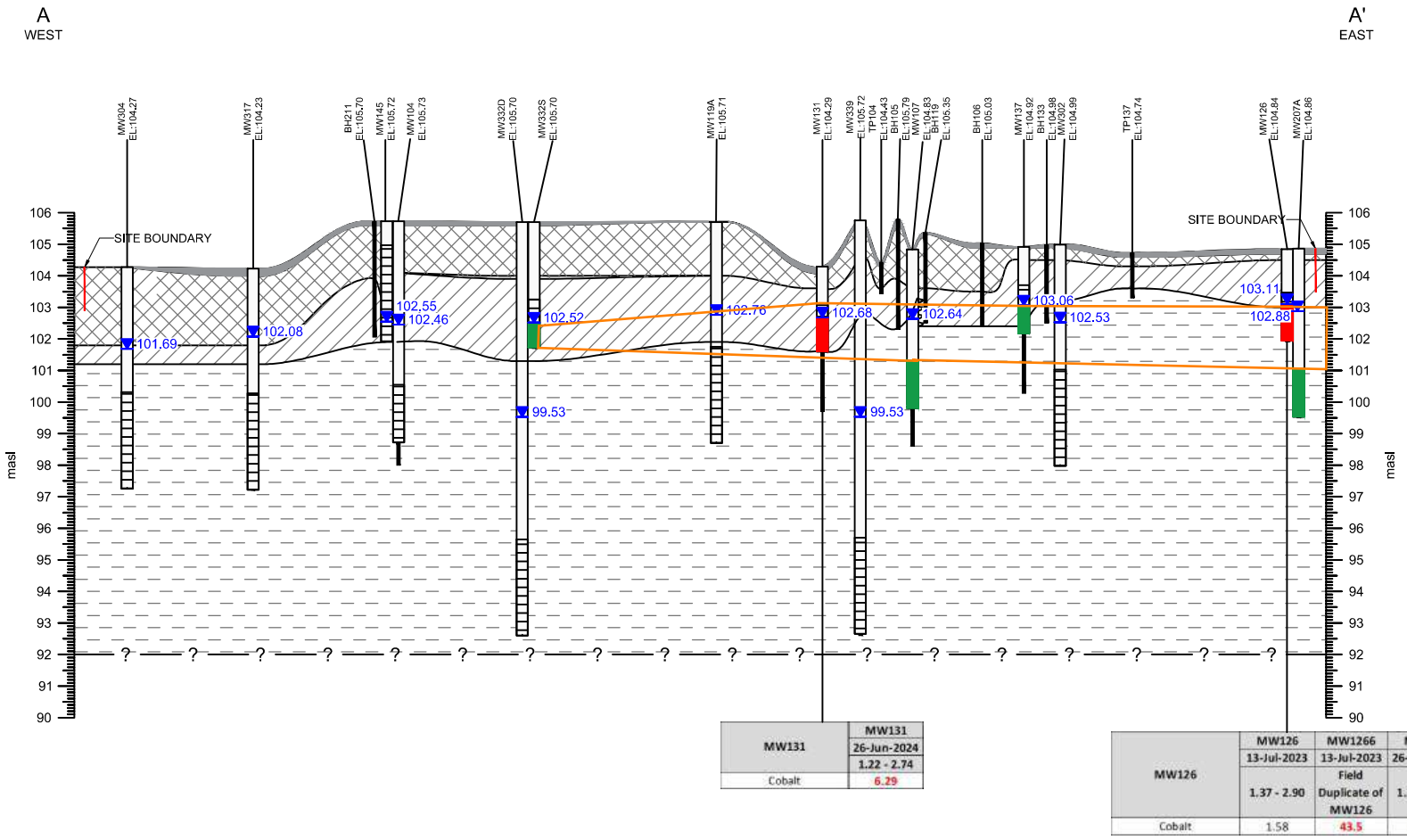
TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - METALS
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 21



MW131	MW131
	26-Jun-2024
	1.22 - 2.74
Cobalt	6.29

MW126	MW126	MW1266	MW126
	13-Jul-2023	13-Jul-2023	26-Jun-2024
	1.37 - 2.90	Field Duplicate of MW126	1.37 - 2.90
Cobalt	1.58	43.5	1.55

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Cobalt	3.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION A-A'
GROUNDWATER ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 21A

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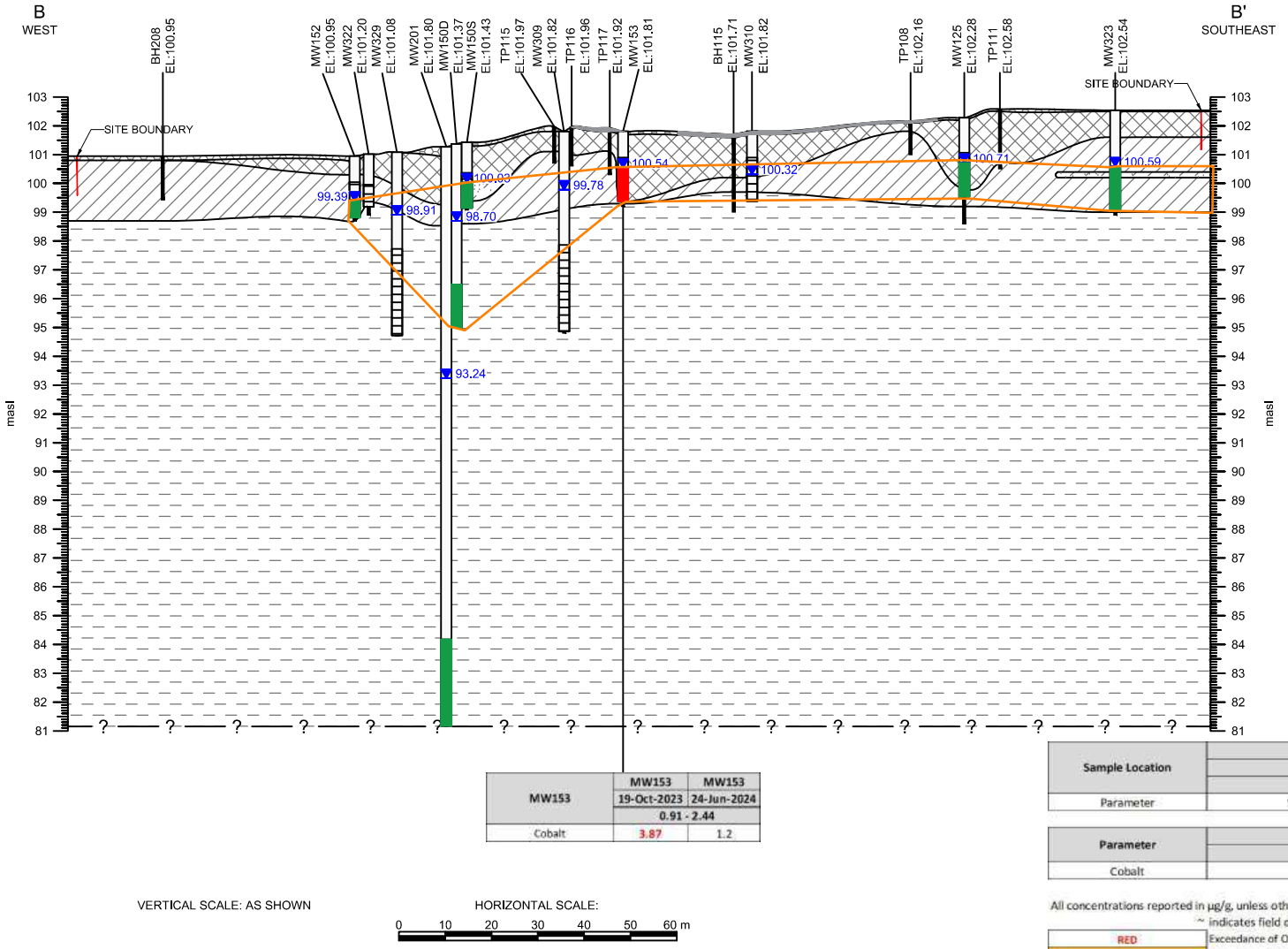

MW153	MW153	MW153
	19-Oct-2023	24-Jun-2024
	0.91 - 2.44	
Cobalt	3.87	1.2

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Cobalt	3.8

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 10 20 30 40 50 60 m

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION B-B'
GROUNDWATER ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 21B

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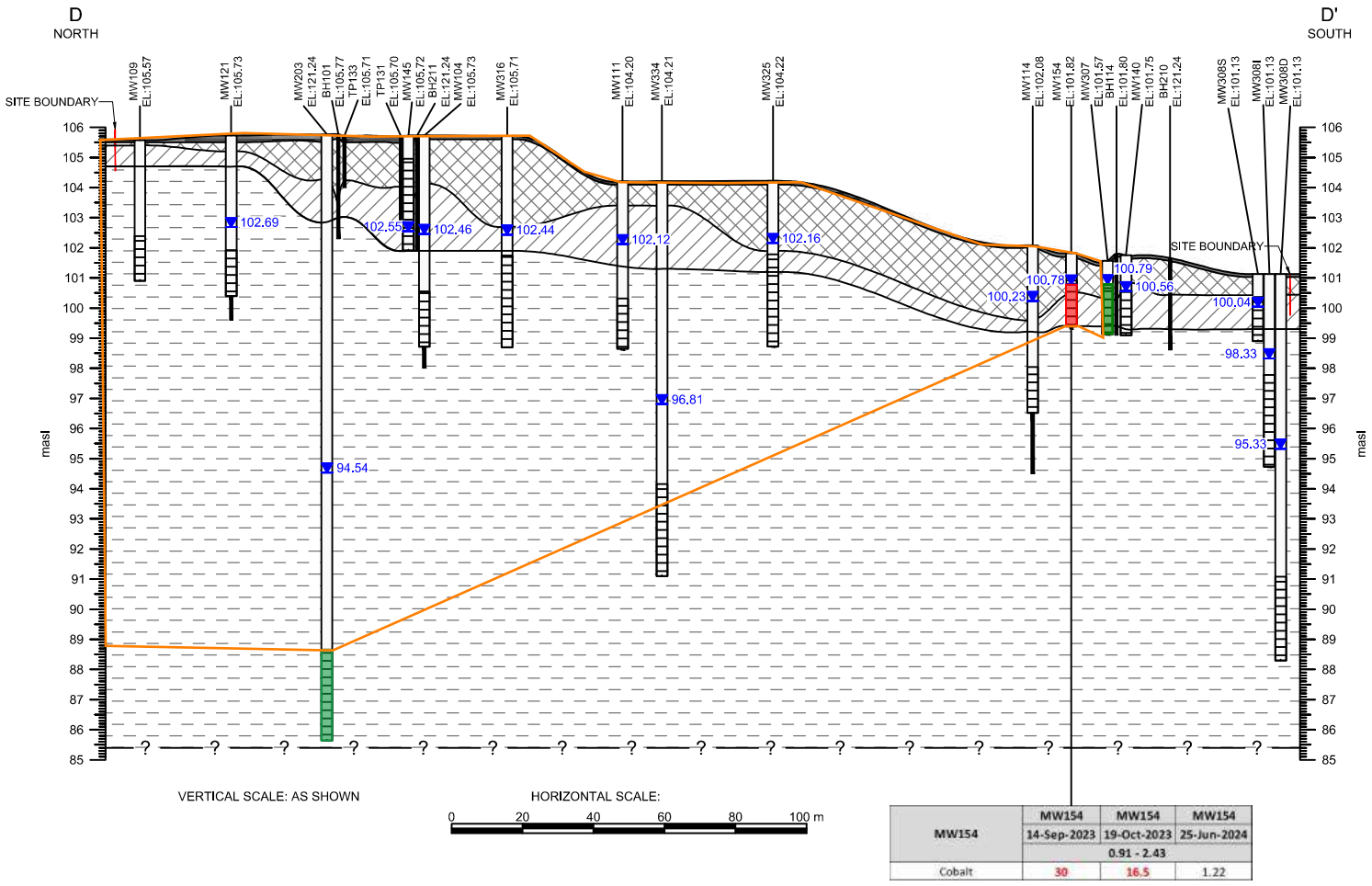

MW154	MW154	MW154	MW154
	14-Sep-2023	19-Oct-2023	25-Jun-2024
	0.91 - 2.43		
Cobalt	30	16.5	1.22

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Cobalt	3.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:
- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION D-D'
GROUNDWATER ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 21C

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Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Selenium	10

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

MW203	MW203	MW2033	MW203	MW2033	MW203
	13-Jul-2023	13-Jul-2023	13-Sep-2023	13-Sep-2023	26-Jun-2024
	17.1 - 20.1	Field Duplicate of MW203	17.1 - 20.1	Field Duplicate of MW203	17.1 - 20.1
Selenium	9	10.2	9.4	7.5	2.4

MW201	MW201	MW2011	MW201	MW201
	14-Sep-2023	14-Sep-2023	19-Oct-2023	24-Jun-2024
	17.1 - 20.1	Field Duplicate of MW201	17.1 - 20.1	17.1 - 20.1
Selenium	17.6	20.2	13.9	3.8

QUEEN ELIZABETH WAY
N SERVICE RD E
S SERVICE RD E
DAVIS RD
CHARTWELL RD
TOD

MW133 1.98-3.51
MW132S 1.22-2.74
MW132D 7.77-9.30
MW1 3.51-5.00
MW203 17.1-20.1
MW129 1.27-2.90
MW207A 3.81-5.33
MW332S 1.37 - 2.90
MW131 1.22-2.74
MW107 3.50-5.03
MW137 1.22-2.74
MW126 1.37-2.90
MW204 17.1-20.1
MW139 1.37-2.9
MW142 1.37-2.90
MW301 1.37 - 2.90
MW2 4.18 - 6.34
MW205 17.1-20.1
MW110S 1.04-2.62
MW138 1.98-3.51
MW155 0.91-2.44
MW306 0.91 - 2.44
MW154 0.91-2.43
MW141 0.91-2.44
MW307 0.91 - 2.44
MW327 3.66-5.18
MW328 1.52-3.05
MW311 3.66 - 4.11
MW150S 1.06-2.29
MW323 1.98-3.51
MW152 0.91-2.13
MW201 17.1-20.1
MW150D 4.88-6.40
MW153 0.91-2.44
MW125 1.22-2.74

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N

0 20 40 60 80 100 m

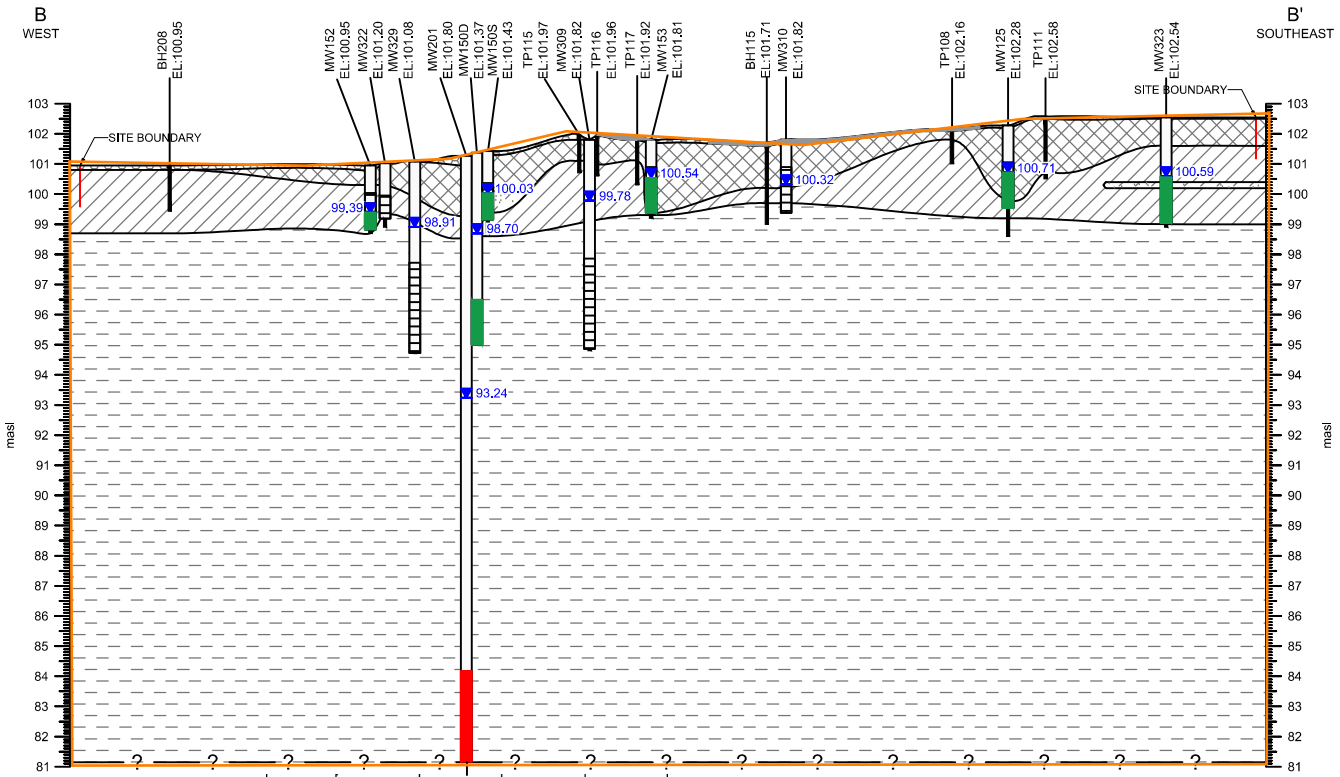
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- APPROXIMATE SITE BOUNDARY

NOTE: LOCATION IN PROCESS OF BEING RE-SAMPLED

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - HYDRIDE-FORMING METALS
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 22



	MW201 14-Sep-2023	MW2011 14-Sep-2023	MW201 19-Oct-2023	MW201 24-Jun-2024
MW201	17.1 - 20.1	Field Duplicate of MW201	17.1 - 20.1	17.1 - 20.1
Selenium	17.6	20.2	13.9	3.8

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 10 20 30 40 50 60 m

Note: Additional sampling events, planned.

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Selenium	10

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:
- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR HF METALS
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR HF METALS

TITLE AND LOCATION:

CROSS SECTION B-B'
GROUNDWATER ANALYTICAL RESULTS - HYDRIDE-FORMING METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 22A

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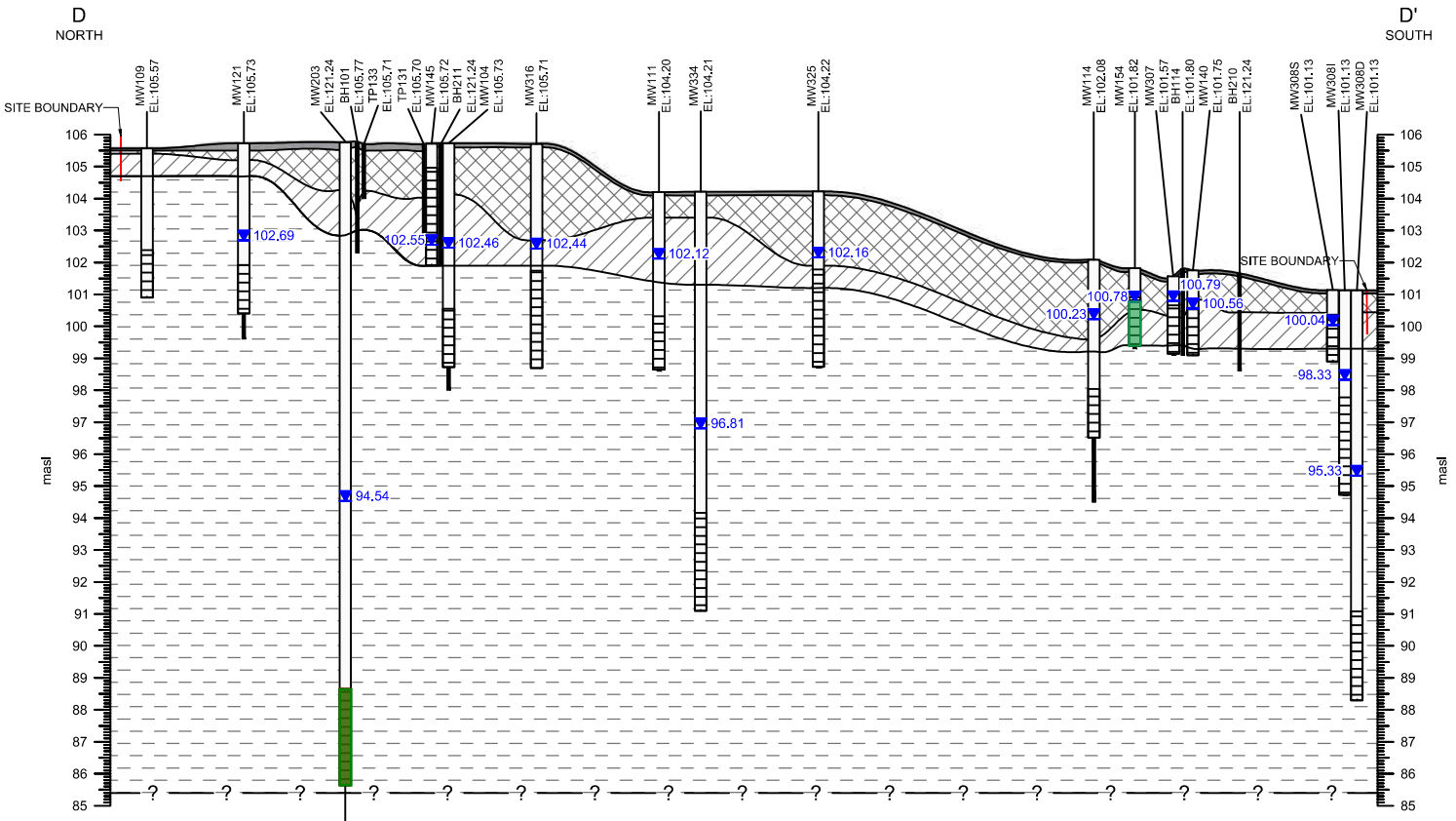

MW203	MW203	MW2033	MW203	MW2033	MW203
	13-Jul-2023	13-Jul-2023	13-Sep-2023	13-Sep-2023	26-Jun-2024
	17.1 - 20.1	Field Duplicate of MW203	17.1 - 20.1	Field Duplicate of MW203	17.1 - 20.1
Selenium	9	10.2	9.4	7.5	2.4

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Selenium	10

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

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- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR HF METALS
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR HF METALS

TITLE AND LOCATION:

CROSS SECTION D-D'
GROUNDWATER ANALYTICAL RESULTS - HYDRIDE-FORMING METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	22B

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All concentrations reported in µg/L, unless otherwise specified .
~ indicates field duplicate sample taken

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0 20 40 60 80 100 m

GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR ORPs

APPROXIMATE SITE BOUNDARY

NOTE: ORPs INCLUDING HEXAVALENT CHROMIUM [Cr (VI)] AND MERCURY (Hg)

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - OTHER REGULATED PARAMETERS (ORPs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	23

All concentrations reported in µg/L, unless otherwise specified .
~ indicates field duplicate sample taken

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0 20 40 60 80 100 m

GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR METHYL MERCURY

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - METHYL MERCURY
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 24

All concentrations reported in µg/L, unless otherwise specified .
~ indicates field duplicate sample taken

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0 20 40 60 80 100 m

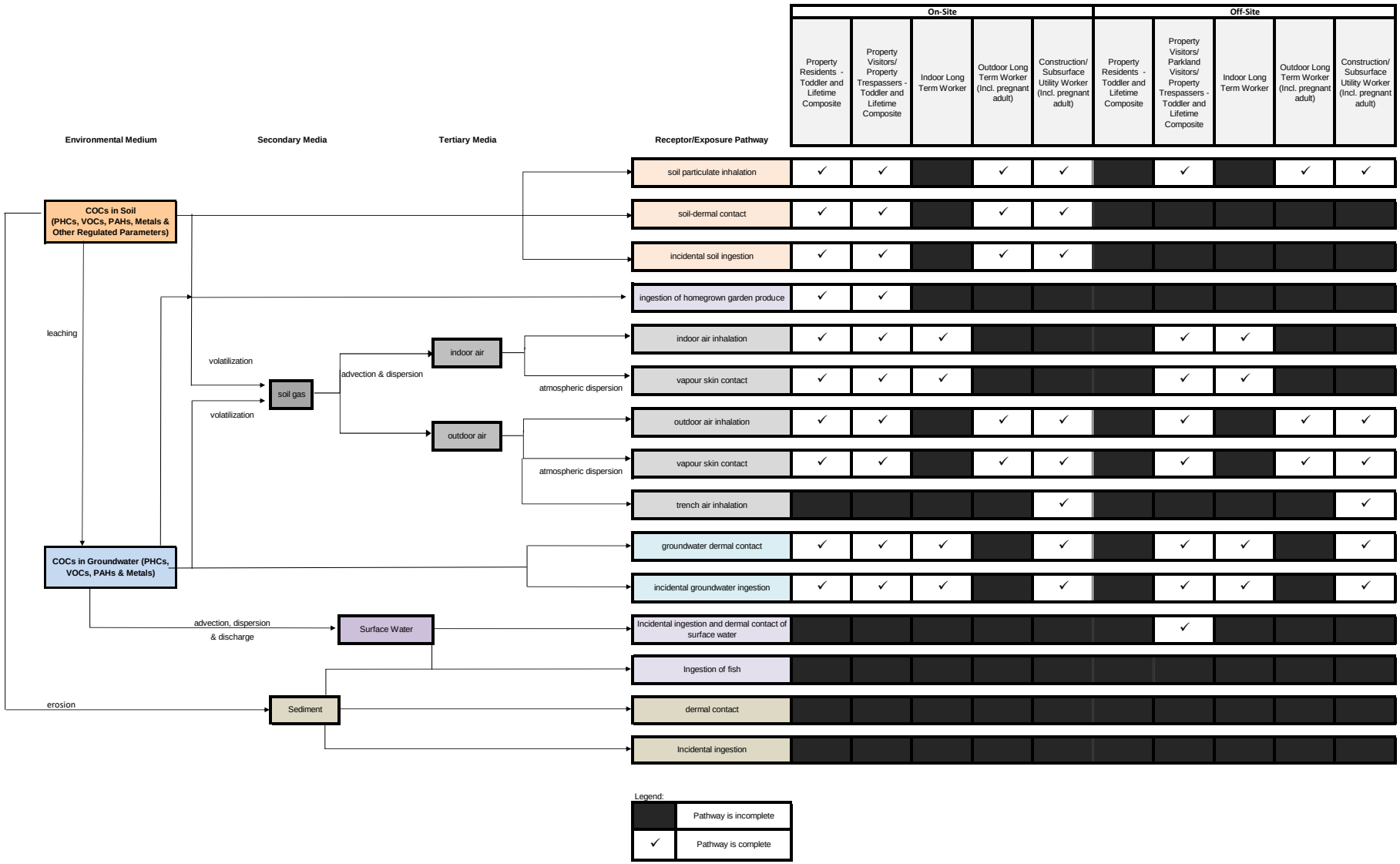
GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PCBs

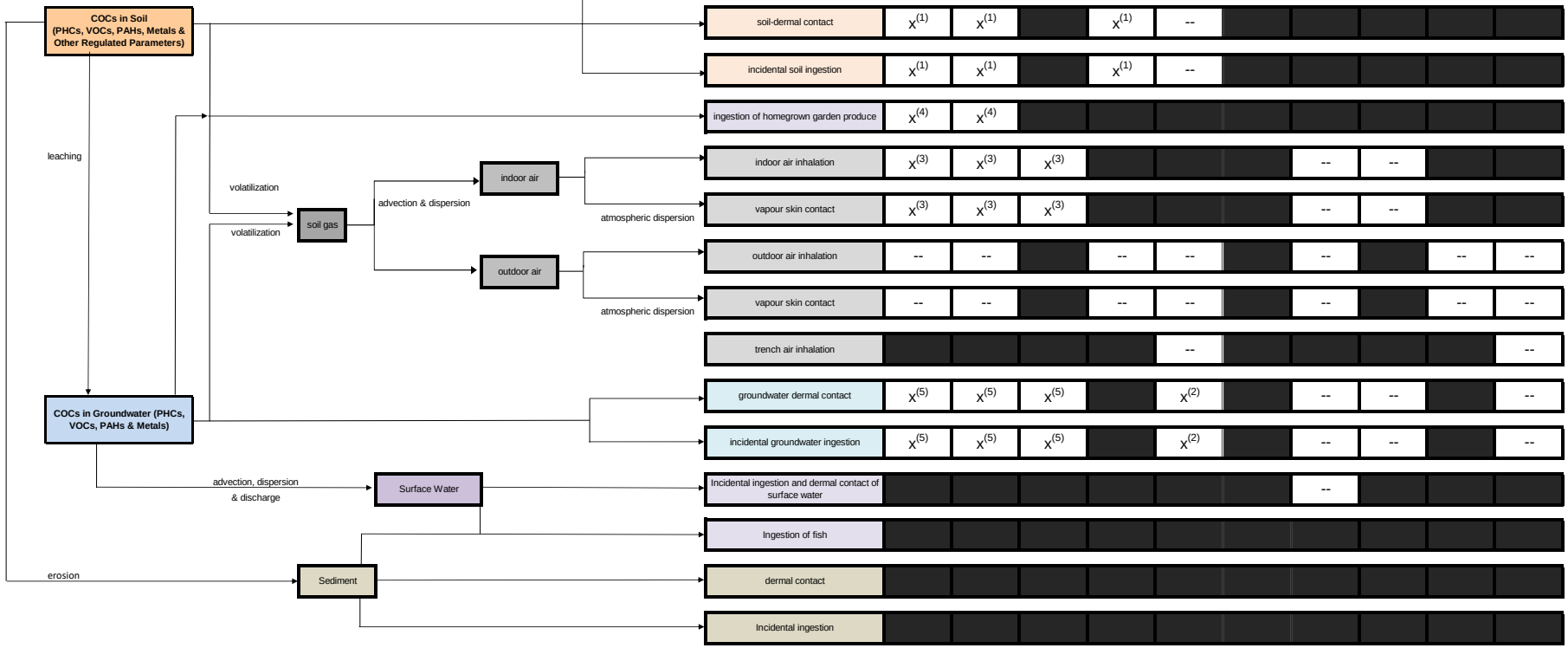
APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - POLYCLORINATED BIPHENYLS (PCBs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 25


Environmental Medium
Secondary Media
Tertiary Media
Receptor/Exposure Pathway
On-Site
Off-Site
Property Residents - Toddler and Lifetime Composite
Property Visitors/ Property Trespassers - Toddler and Lifetime Composite
Indoor Long Term Worker
Outdoor Long Term Worker (Incl. pregnant adult)
Construction/ Subsurface Utility Worker (Incl. pregnant adult)
Property Residents - Toddler and Lifetime Composite
Property Visitors/ Parkland Visitors/ Property Trespassers - Toddler and Lifetime Composite
Indoor Long Term Worker
Outdoor Long Term Worker (Incl. pregnant adult)
Construction/ Subsurface Utility Worker (Incl. pregnant adult)
COCs in Soil (PHCs, VOCs, PAHs, Metals & Other Regulated Parameters)
COCs in Groundwater (PHCs, VOCs, PAHs & Metals)
leaching
volatilization
volatilization
soil gas
advection & dispersion
indoor air
outdoor air
atmospheric dispersion
atmospheric dispersion
advection, dispersion & discharge
Surface Water
erosion
Sediment
soil particulate inhalation
soil-dermal contact
incidental soil ingestion
ingestion of homegrown garden produce
indoor air inhalation
vapour skin contact
outdoor air inhalation
vapour skin contact
trench air inhalation
groundwater dermal contact
incidental groundwater ingestion
Incidental ingestion and dermal contact of surface water
Ingestion of fish
dermal contact
Incidental ingestion
Legend:
Pathway is incomplete
Pathway is complete

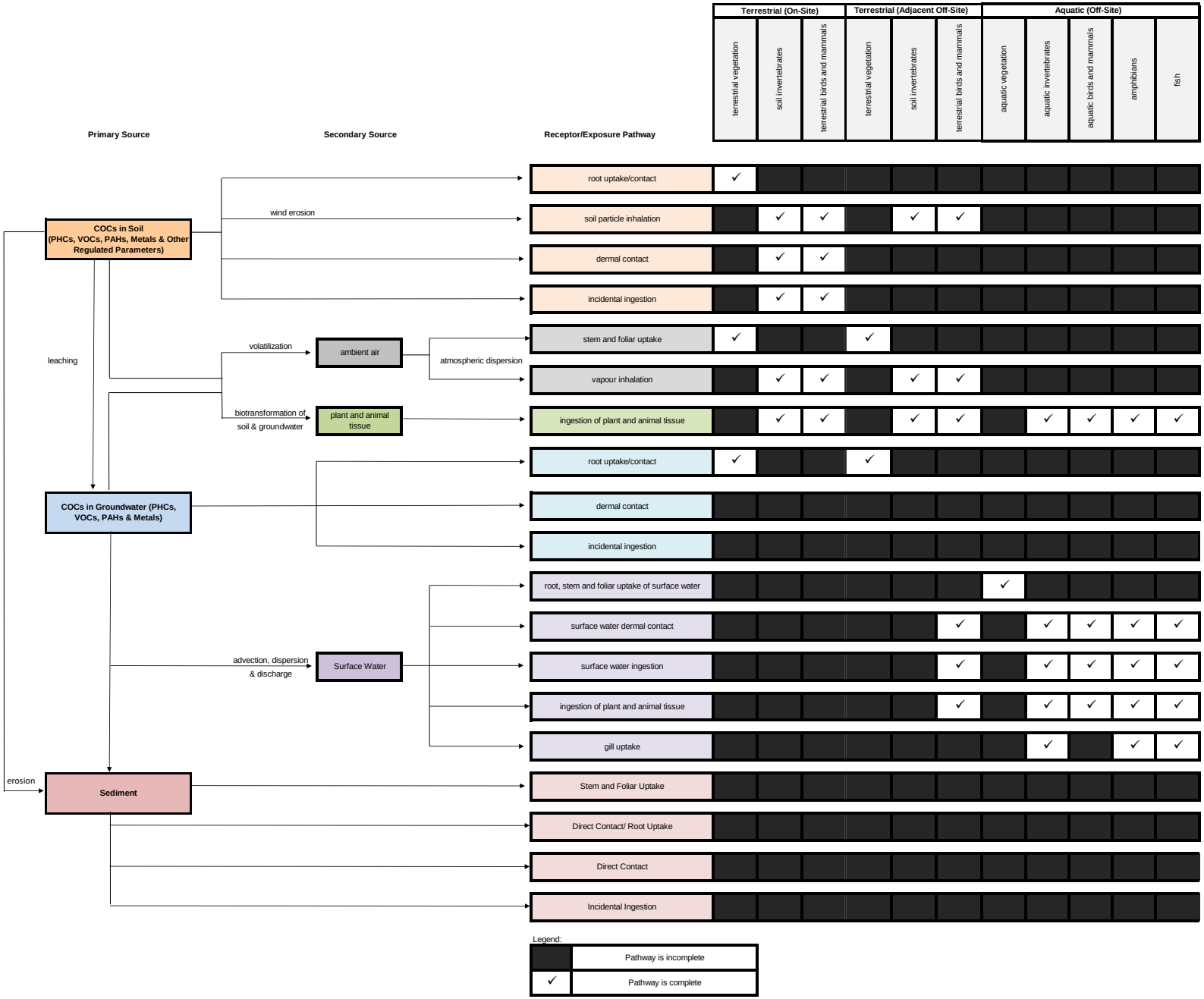


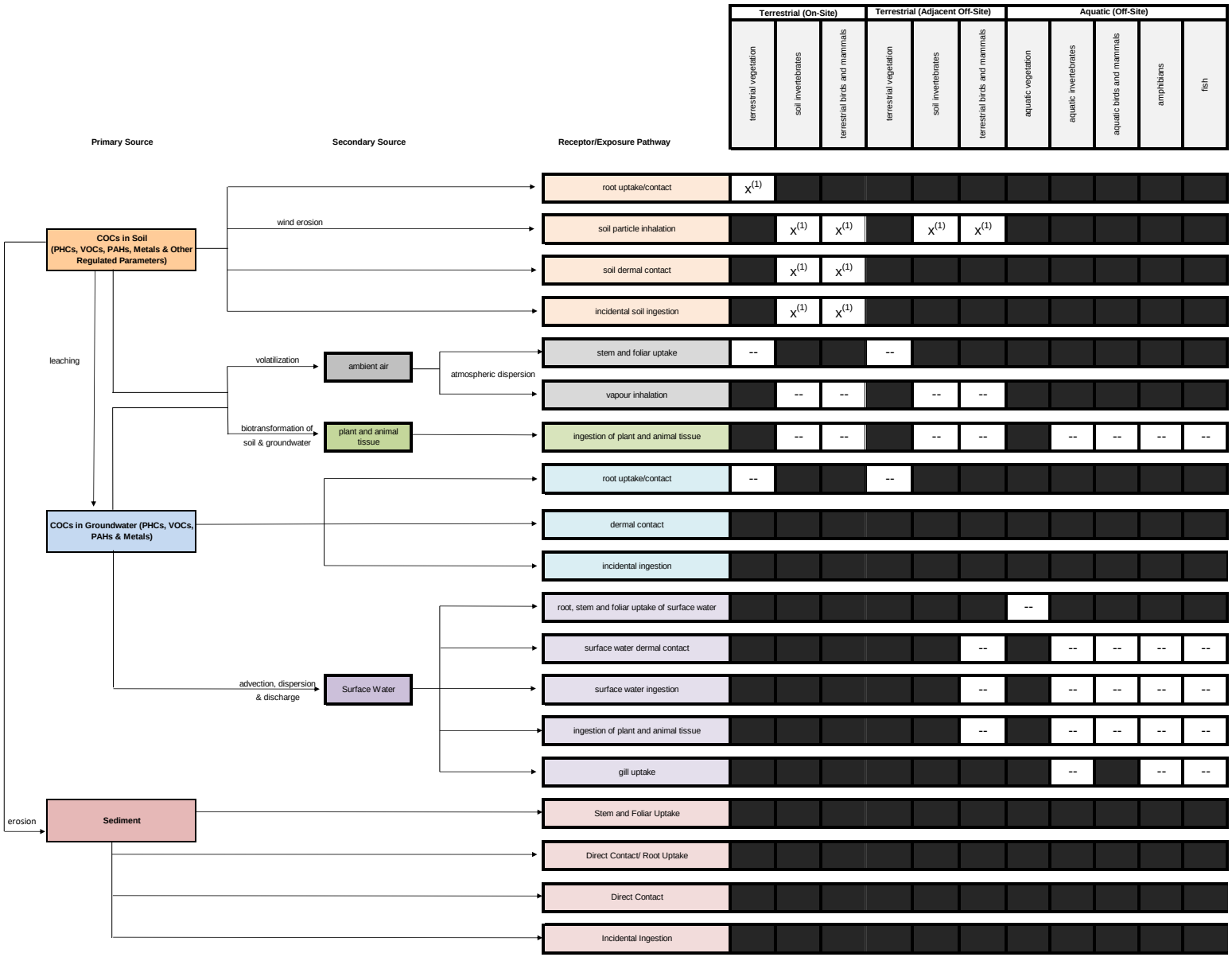
Receptor/Exposure Pathway	On-Site					Off-Site				
	Property Residents - Toddler and Lifetime Composite	Property Visitors/ Property Trespassers - Toddler and Lifetime Composite	Indoor Long Term Worker	Outdoor Long Term Worker (Incl. pregnant adult)	Construction/ Subsurface Utility Worker (Incl. pregnant adult)	Property Residents - Toddler and Lifetime Composite	Property Visitors/ Parkland Visitors/ Property Trespassers - Toddler and Lifetime Composite	Indoor Long Term Worker	Outdoor Long Term Worker (Incl. pregnant adult)	Construction/ Subsurface Utility Worker (Incl. pregnant adult)
soil particulate inhalation	X(1)	X(1)		X(1)	--		X(1)		X(1)	X(1)
soil-dermal contact	X(1)	X(1)		X(1)	--					
incidental soil ingestion	X(1)	X(1)		X(1)	--					
ingestion of homegrown garden produce	X(4)	X(4)								
indoor air inhalation	X(3)	X(3)	X(3)				--	--		
vapour skin contact	X(3)	X(3)	X(3)				--	--		
outdoor air inhalation	--	--		--	--		--		--	--
vapour skin contact	--	--		--	--		--		--	--
trench air inhalation					--					--
groundwater dermal contact	X(5)	X(5)	X(5)		X(2)		--	--		--
incidental groundwater ingestion	X(5)	X(5)	X(5)		X(2)		--	--		--
Incidental ingestion and dermal contact of surface water							--			
Ingestion of fish										
dermal contact										
Incidental ingestion										

RMM to be applied at the Site may include:
(1) hard cap/fill cap
(2) health and safety plan
(3) vapour mitigation system
(4) Prohibition on planting of fruits/vegetables for consumption
(5) Prohibition on installation of potable wells

Legend:

	Pathway is incomplete
--	Pathway is complete but potential risks are not anticipated
X	Pathway is Blocked by RMM


Terrestrial (On-Site)
Terrestrial (Adjacent Off-Site)
Aquatic (Off-Site)
terrestrial vegetation
soil invertebrates
terrestrial birds and mammals
terrestrial vegetation
soil invertebrates
terrestrial birds and mammals
aquatic vegetation
aquatic invertebrates
aquatic birds and mammals
amphibians
fish
Primary Source
Secondary Source
Receptor/Exposure Pathway
COCs in Soil (PHCs, VOCs, PAHs, Metals & Other Regulated Parameters)
wind erosion
leaching
volatilization
ambient air
atmospheric dispersion
biotransformation of soil & groundwater
plant and animal tissue
COCs in Groundwater (PHCs, VOCs, PAHs & Metals)
advection, dispersion & discharge
Surface Water
erosion
Sediment
root uptake/contact
soil particle inhalation
dermal contact
incidental ingestion
stem and foliar uptake
vapour inhalation
ingestion of plant and animal tissue
root uptake/contact
dermal contact
incidental ingestion
root, stem and foliar uptake of surface water
surface water dermal contact
surface water ingestion
ingestion of plant and animal tissue
gill uptake
Stem and Foliar Uptake
Direct Contact/ Root Uptake
Direct Contact
Incidental Ingestion
Legend:
Pathway is incomplete
Pathway is complete


Terrestrial (On-Site)
Terrestrial (Adjacent Off-Site)
Aquatic (Off-Site)
terrestrial vegetation
soil invertebrates
terrestrial birds and mammals
terrestrial vegetation
soil invertebrates
terrestrial birds and mammals
aquatic vegetation
aquatic invertebrates
aquatic birds and mammals
amphibians
fish
Primary Source
Secondary Source
Receptor/Exposure Pathway
COCs in Soil (PHCs, VOCs, PAHs, Metals & Other Regulated Parameters)
COCs in Groundwater (PHCs, VOCs, PAHs & Metals)
Sediment
leaching
erosion
wind erosion
volatilization
biotransformation of soil & groundwater
advection, dispersion & discharge
ambient air
plant and animal tissue
Surface Water
atmospheric dispersion
root uptake/contact
soil particle inhalation
soil dermal contact
incidental soil ingestion
stem and foliar uptake
vapour inhalation
ingestion of plant and animal tissue
root uptake/contact
dermal contact
incidental ingestion
root, stem and foliar uptake of surface water
surface water dermal contact
surface water ingestion
ingestion of plant and animal tissue
gill uptake
Stem and Foliar Uptake
Direct Contact/ Root Uptake
Direct Contact
Incidental Ingestion
X(1)
--
RMM to be applied at the Site may include:
(1) hard cap/fill cap
Legend:
Pathway is incomplete
-- Pathway is complete but potential risks are not anticipated
X Pathway is blocked by RMM

Appendix A – Sampling and Analysis Plan

Phase Two Environmental Site Assessment

1. Introduction

This Appendix presents the Sampling and Analysis Plan (SAP) that was developed in support of the Phase Two Environmental Assessment Work (ESA) for the properties with the municipal addresses 420 and 468 South Service Road East, Oakville, Ontario. These parcels of land are hereinafter referred to as the 'Site'.

The Phase Two ESA will be conducted to provide further characterization of the Site subsurface conditions and address the Areas of Potential Environmental Concerns (APECs) outlined in EXP's September 2024 Phase One ESA. The SAP presents the procedures and measures that will be undertaken during field investigative activities to characterize the Site conditions and meet the data quality objectives of the Phase Two ESA.

The SAAP presents the sampling program proposed for the Site, the recommended procedures and protocols for sampling and related field activities, the data quality objectives, and the quality assurance/ quality control measures that will be undertaken to provide for the collection of accurate, reproducible, and representative data.

2. Field Sampling Program

The field sampling program was developed to provide for the collection of samples of the surficial and subsurface soil materials for chemical analysis of Petroleum Hydrocarbons (PHCs) including Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), Volatile Organic Compounds (VOCs), Metals, Hydride-Forming Metals (HFMs), Other Regulated Parameters (ORPs) – Methyl Mercury (MeHg), Polycyclic Aromatic Hydrocarbons (PAHs), Organochlorine Pesticides (OCPs), and pH in soil, and for the analysis of PHCs, BTEX, VOCs, PAHs, Metals, HFMs, Other Regulated Parameters (ORPs) – Mercury (Hg), Hexavalent Chromium (CrVI) & MeHg, and Polychlorinated Biphenyls (PCBs) in groundwater.

The soil sampling media is to consist of the upper overburden materials (depths up to 3.8 m below grade). The soil sampling will be location-specific to assess for the potential presence of COCs based on the identification of areas of potential environmental concern (APECs). Vapour readings will also be collected in the field to determine if samples are to be submitted for BTEX and PHC F1-F2 analysis.

The groundwater sampling will be location-specific to assess for the potential presence of PHCs, BTEX, VOCs, PAHs, Metals, HFMs, PCBs and ORPs – Hg, CrVI, and MeHg, based on the identification of APECs. The monitoring well network will comprise of chemical analysis from forty-two (42) newly installed monitoring wells and fifty-eight (58) previously installed monitoring wells.

Vertical control of the boreholes and monitoring wells will be obtained through the completion of an elevation survey with reference to a local structure with a known geodetic elevation. Groundwater flow and direction in the water table aquifer will also be determined through groundwater level measurements and the elevations established from the Site elevation survey.

3. Field Methods

To meet the requirements of the field sampling program, the following field investigative methods will be undertaken:

- Borehole Drilling;
- Soil Sampling;
- Monitoring Well Installation;
- Monitoring Well Development;
- Groundwater Level Measurements;
- Elevation Survey; and,
- Groundwater Sampling.

The field investigative methods will be performed following the procedures and protocols set out in EXP's standard operating procedures and are outlined below:

3.1 Borehole Drilling

Boreholes will be advanced at the Site to facilitate the collection of soil samples for chemical analysis and geologic characterization; and, for the installation of groundwater monitoring wells. A total of thirty-six (36) boreholes and five (5) test pits are proposed to be advanced at the Site for the environmental investigation, up to a maximum depth of approximately 13.1 m below grade, to provide for the collection of samples of the overburden materials beneath the Site. The borehole location will be selected to determine the presence or absence of impacts in the soils and the upper overburden groundwater and to address the APECs outlined in EXP's September 2024 Phase One ESA Report.

Prior to borehole drilling, utility clearances will be obtained from public and private locators, as required. If any uncertainty regarding the location of a buried utility at a borehole location is encountered, hand augering or digging will be performed beforehand to confirm the location of the utility.

Where there is overlying asphalt or concrete, the overlying material will be mechanically cored to provide access to the underlying soil materials. The borehole drilling program will be conducted by a licensed driller under the oversight of EXP field staff. Auger flights will be cleaned prior to the commencement of drilling at each borehole location.

3.2 Soil Sampling

Soil samples will be collected for chemical analysis and geologic property characterization. The soil samples will be collected using 5 cm diameter, 61 cm long, split spoons and solid stem augers or a 5 cm diameter, 1.52 m long, duel tube sampling system with interior dedicated vinyl sampling tubes. Upon retrieval from the boreholes, the split spoons or vinyl sampling tubes will be placed on a flat surface and disassembled by drilling personnel to provide access of the recovered cores. Geologic and sampling details of the recovered cores will be logged and the samples will be assessed for the potential presence of non-aqueous phase liquids. Soil stratigraphy encountered in the boreholes will be texturally, visually and olfactory classified in the field and in the laboratory. Soil samples will be logged for colour, grain size, moisture content, density, structures, texture, staining, and field vapour readings. A Photo-ionization Detector (PID) or GastechtorTM will be utilized to screen the soil samples for Total Organic Vapour (TOV). Representative worst-case soil samples from each borehole will be collected and submitted to a certified laboratory for analysis based on TOV readings, sample depth, visual and/or olfactory field observations.

Recommended volumes of soil samples selected for chemical analysis will be collected into pre-cleaned laboratory-supplied glass sample jars/vials identified for the specified analytical test group. Samples intended for PHC/BTEX and VOCs will be collected using a laboratory-supplied soil core sampler, placed into the vials containing methanol for preservation purposes and sealed using Teflon lined septa lids. The samples will be placed into clean insulated coolers chilled with ice for storage and transport. The samples will be assigned unique identification numbers, and the date, time, location, and requested analyses for each sample will be documented in a bound field notebook. The samples will be submitted to the contractual laboratory within analytical test group holding times under Chain of Custody protocols. New disposable chemical resistant gloves will be used for each soil core to prevent sample cross-contamination.

3.3 Monitoring Well Installation

A proposed total of forty-two (42) boreholes will be instrumented as groundwater monitoring wells installed with 1.5 to 3 m long screens intercepting the native overburden material, where the shallow water table aquifer is expected, extending to depths of approximately 6.10 m below grade. The monitoring wells will be constructed using 51 mm diameter, Schedule 40, PVC riser pipe and number 10 slot size (0.25 mm) well screens. The base of the well screen will be sealed with threaded flush PVC end caps. All well pipe connections will be factory machined threaded flush couplings. The annular space around the well screen will be backfilled with silica sand, to an average height of 0.6 m above the top of the screen. Granular bentonite will be placed in the borehole annulus from the top of the sand pack to approximately 0.3 m below grade. The monitoring well will be completed with monument and flush-mounted protective steel casings cemented into place.

3.4 Monitoring Well Development

The newly installed monitoring wells will be developed to remove fine sediment particles potentially lodged in the sand pack and well screen to enhance hydraulic communication with the surrounding formation waters. The monitoring wells will be developed using a dedicated low-density polyethylene (LDPE) tubing, equipped with an inertial foot valve to disturb the water column. The wells will be developed until approximately 3 to 5 well volumes of water will be removed and/or until purged dry. Well development details will be documented on a well development log sheet or in a bound hard cover notebook. All development waters will be collected and stored in labeled, sealed containers.

3.5 Groundwater Level Measurements

Groundwater level measurements will be recorded for the newly installed monitoring wells to determine the depth of the water table aquifer beneath the Site. The water level will be measured with respect to the top of the PVC riser pipe by means of an electronic water level meter. The water levels will be recorded on water level log sheets or in a bound field notebook. The water level meter probe will be decontaminated between monitoring well locations.

3.6 Elevation Survey

An elevation survey was conducted during the Phase Two ESA investigative activities, with the purpose of obtaining relative vertical control of the monitoring well locations. The top of pipe and ground surface elevations of each monitoring well were surveyed utilizing a handheld Trimble® Global Positioning System (GPS).

3.7 Field Measurements of Water Quality Parameters

Prior to collecting the groundwater sample, field measurements of water quality parameters will be recorded from the monitoring wells utilizing low-flow purging and sampling methodologies. Groundwater will be purged from the monitoring wells using a peristaltic pump and dedicated LDPE tubing. Field measurements of dissolved oxygen concentration, electrical conductivity, oxidation-reduction potential, pH, temperature, turbidity and water levels will be recorded in three (3) minute intervals during the purging activities using a pre-calibrated multi probe water quality meter, a turbidity meter and a water level meter. Generally well purging will continue until the purged water has chemically stabilized as indicated by field parameter measurements and the well head drawdown is maintained within 10 cm for 3 consecutive readings. In the event that the parameters do not stabilize or the well head drawdown is too significant, the groundwater is to recover to approximately 75% of static levels before sampling.

The multi-meter electrodes will be calibrated prior to receipt of the meter by the supplier using in-house pH and conductivity reference standards. All collected purged water will be stored on-Site in labeled, sealed containers. Equipment used during groundwater monitoring will be thoroughly cleaned and decontaminated between wells.

3.8 Groundwater Sampling

Upon completion the field measurements of water quality parameters, groundwater samples will be collected for chemical analysis using the peristaltic pump and dedicated LDPE tubing. Recommended groundwater sample volumes will be collected

into pre-clean laboratory-supplied vials or bottles provided with analytical test group specific preservatives, as required. The samples will be placed in an insulated cooler chilled with ice for storage and transport. Samples for BTEX and VOC analysis will be collected in triplicate vials prepared with concentrated hydrochloric acid or an acceptable substitute as a preservative. Each vial will be inverted and inspected for gas bubbles prior to being placed in the cooler to ensure that no head-space is present.

The groundwater sample will be assigned a unique identification number, and the date, time, project number, company name, location and requested analyses will be documented in a bound hard cover notebook. The sample will be submitted to the contractual laboratory within analytical test group holding times under chain of custody protocols. New disposable chemical resistant gloves will be used for each sampling location to prevent sample cross-contamination.

4. Field Quality Assurance/Quality Control Program

The objective of the field quality assurance/quality control (QA/QC) program is to obtain soil and groundwater samples and other field measurements that provide data of acceptable quality that meets the objectives of the Phase Two ESA. The objectives of the QA/QC program will be achieved through the implementation of procedures for the collection of unbiased (i.e. non-contaminated) samples, sample documentation and the collection of appropriate QC samples to provide a measure of sample reproducibility and accuracy. The field QA/QC measures will comprise:

- Decontamination Protocols;
- Equipment Calibration;
- Sample Preservation;
- Sample Documentation; and,
- Field Quality Control Samples.

Details on the field QA/QC measures are provided below.

4.1 Decontamination Protocols

Decontamination protocols will be followed during field sampling where non-dedicated sampling equipment is used to prevent sample cross contamination. For the borehole drilling and soil sampling, soil sampling devices will be cleaned/decontaminated between sampling intervals and auger flights between borehole locations in according with SOP requirements. For the monitoring well installation, well components are not to come into contact with the ground surface prior to insertion into boreholes. Electronic water level meters will be decontaminated between monitoring well locations during well development and purging activities. For hydraulic conductivity tests, the electronic water level meters will be decontaminated between sampling locations. All decontamination fluids will be collected and stored in sealed, labeled containers.

4.2 Equipment Calibration

All equipment requiring calibration will be calibrated in the field according to manufacturer's requirements using analytical grade reagents, or by the supplier prior to conducting field activities, and subsequently checked in the field. The calibration of all pre-calibrated instruments will be checked in the field using analytical grade reagents and re-calibrated as required. For multiple day sampling events, equipment calibration will be checked prior to the beginning of sampling activities. All calibration data will be documented in a bound hard cover notebook.

4.3 Sample Preservation

All samples will be preserved using appropriate analytical test group specific reagents, as required, and upon collection placed in pre-chilled insulated coolers packed with ice for storage and transport.

4.4 Sample Documentation

All samples will be assigned a unique identification number, which is to be recorded along with the date, time, project number, company name, location and requested analysis in a bound field notebook. All samples will be handled and transported following COC protocols.

4.5 Field Quality Control

Field quality control samples will be collected to evaluate the accuracy and reproducibility of the field sampling procedures. For groundwater sampling, one (1) field duplicate is to be collected for every ten (10) samples submitted for chemical analysis. For multiple day sampling events, at least one (1) field duplicate soil and groundwater sample will be submitted for chemical analysis. The field duplicate samples will be assessed by calculating the relative percent difference and comparing to the analytical test group specific acceptance criteria.

Sampling and Analysis Plan

GTR-23006348-E1 - Groundwater Sampling - 420 South Service Road, Oakville, Ontario

ID	Screen Depth (mbgs)	Lab Analysis							Rationale	Notes
		Media	ICPMS Metals	Methyl Mercury	PHCs	BTEX	VOCs	PAHs		
MW2	4.18 - 6.34	Groundwater		1					Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW5	2.56 - 4.08	Groundwater	1						Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW108	4.67 - 6.20	Groundwater		1					Confirm previous sample results	Sample via peristaltic pump.
MW125	1.22 - 2.74	Groundwater		1			1		Confirm previous sample results	Sample via peristaltic pump.
MW126	1.37 - 2.90	Groundwater	1		1	1		1	Confirm previous sample results	Sample via peristaltic pump.
MW131	1.22 - 2.74	Groundwater	1						Confirm previous sample results	Sample via peristaltic pump.
MW132D	7.77 - 9.30	Groundwater	1						Confirm previous sample results	Sample via peristaltic pump.
MW132S	1.22 - 2.74	Groundwater	1						Confirm previous sample results	Sample via peristaltic pump.
MW133	1.98 - 3.51	Groundwater	1						Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW137	1.22 - 2.74	Groundwater	1						Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW139	1.37 - 2.90	Groundwater	1						Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW140	1.17 - 2.69	Groundwater		1		1			Confirm previous sample results	Sample via peristaltic pump.
MW142	1.37 - 2.90	Groundwater	1						Confirm previous sample results	Sample via peristaltic pump.
MW150D	4.88 - 6.40	Groundwater					1		Confirm previous sample results	Sample via peristaltic pump.
MW150S	1.06 - 2.29	Groundwater					1		Confirm previous sample results	Sample via peristaltic pump.
MW152	0.91 - 2.13	Groundwater					1		Confirm previous sample results	Sample via peristaltic pump.
MW153	0.91 - 2.44	Groundwater		1					Confirm previous sample results	Sample via peristaltic pump.
MW154	0.91 - 2.43	Groundwater	1			1			Confirm previous sample results	Sample via peristaltic pump.
MW155	0.91 - 2.44	Groundwater	1						Confirm previous sample results	Sample via peristaltic pump.
MW201	17.1 - 20.1	Groundwater		1					Confirm previous sample results	Sample via bladder pump.
MW203	17.1 - 20.1	Groundwater	1						Confirm previous sample results	Sample via bladder pump.
MW205	17.1 - 20.1	Groundwater	1						Confirm previous sample results	Well to be re-developed prior to sampling Sample via bladder pump.

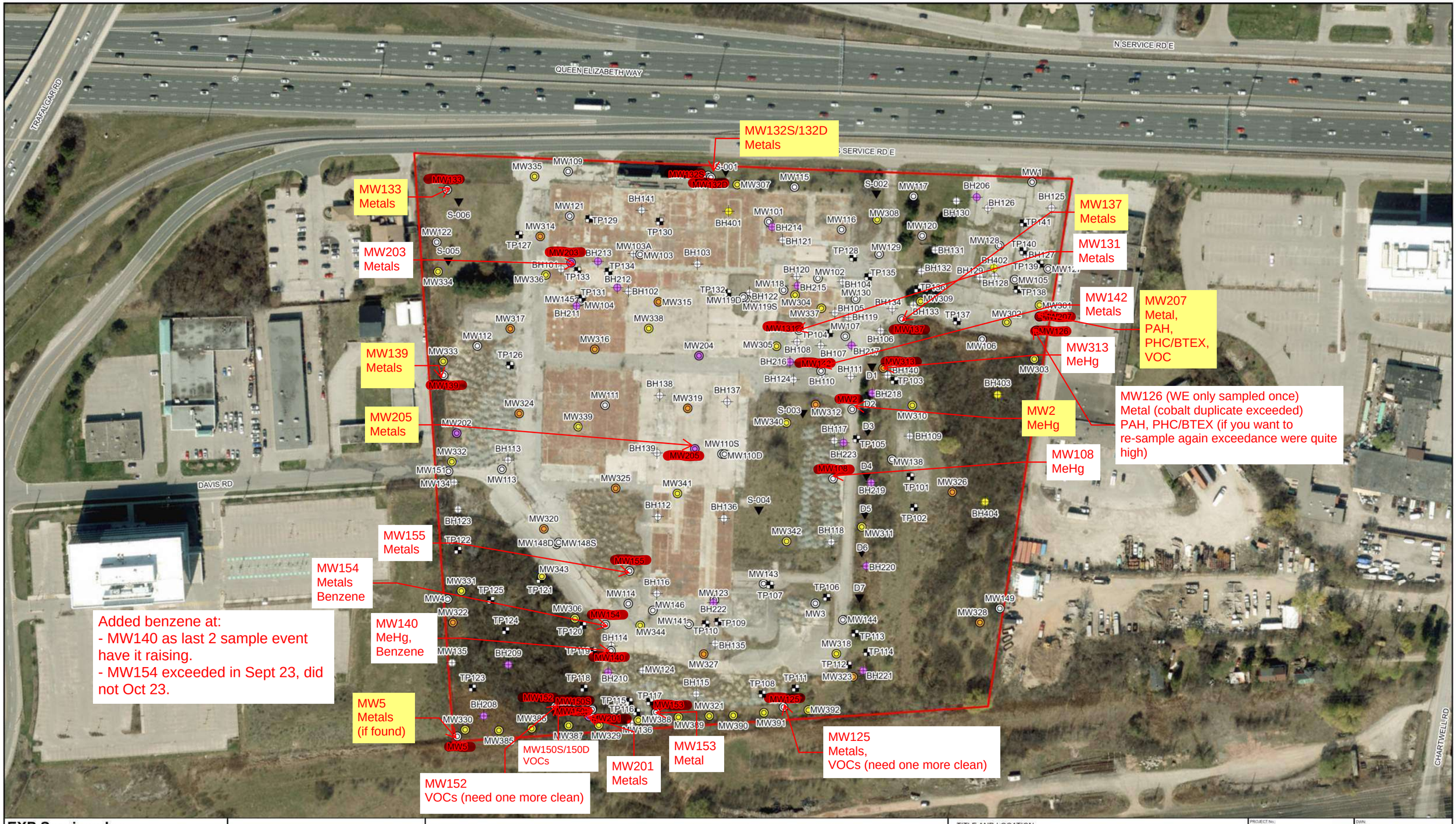
Sampling and Analysis Plan

GTR-23006348-E1 - Groundwater Sampling - 420 South Service Road, Oakville, Ontario

ID	Screen Depth (mbgs)	Lab Analysis							Rationale	Notes
		Media	ICPMS Metals	Methyl Mercury	PHCs	BTEX	VOCs	PAHs		
MW207	17.1 - 20.1	Groundwater	1		1	1	1	1	Confirm previous sample results	Well to be re-developed prior to sampling Sample via bladder pump.
MW313	2.13 - 3.51	Groundwater		1					Confirm previous sample results	Sample via peristaltic pump.
Duplicate	NA	Groundwater							QA/QC purposes	Submit duplicate samples across the program for metals, BTEX
Trip Blank	NA	NA							QA/QC purposes	Submit trip blank for VOCs

Notes:

QA/QC note: if there is not enough sample at proposed interval, use alternative borehole for duplicate collection



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0 20 40 60 80 100 m

- BOREHOLE (AECOM, 2013)
- BOREHOLE / MONITORING WELL (AECOM, 2013)
- SURFICIAL SOIL SAMPLE (AECOM, 2013)
- TEST PIT (AECOM, 2013)
- BOREHOLE (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (EXP, 2023)
- BOREHOLE (EXP, 2024)
- BOREHOLE / MONITORING WELL (EXP, 2024)
- APPROXIMATE SITE BOUNDARY

Needs Developing

TITLE AND LOCATION:

BOREHOLE / MONITORING WELL LOCATION PLAN
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: JUNE 2024	FIG. No.: 5A

Sampling and Analysis Plan

GTR-23006348-E1 - Groundwater Sampling - 420 South Service Road, Oakville, Ontario

ID	Depth (mbgs)	Lab Analysis							Rationale	Notes
		Media	ICPMS Metals	PHCs	BTEX	VOCs	PAHs	TCLP		
TP201	2	Soil	1	1	1	1	1		Assess berm material.	Collect 1 sample for all parameters at the base of the test pit.
TP202	1.5	Soil	1	2	2		1		Assess berm material.	Collect 1 sample for all parameters at the base of the test pit. Collect a duplicate sample for PHCs/BTEX.
TP203	1.5	Soil	1	1	1	1	1		Assess berm material.	Collect 1 sample for all parameters at the base of the test pit.
TP204	2	Soil	1	1	1		2		Assess berm material.	Collect 1 sample for all parameters at 0.5 m. Collect 1 sample for PAHs at the base of test pit (2 m).
TP205	2	Soil	1	1	1	1	2		Assess berm material.	Collect 1 sample for all parameters at 0.5 m. Collect 1 sample for PAHs at the base of test pit (2 m).
TCLP	NA	Soil						1	Disposal purposes	Collect 1 composite sample from berm materials.
Duplicate	NA	Soil								

Notes:

QA/QC note: if there is not enough sample at proposed interval, use alternative borehole for duplicate collection

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0 20 40 60 80 100 m

- BOREHOLE (AECOM, 2013)
- BOREHOLE / MONITORING WELL (AECOM, 2013)
- SURFICIAL SOIL SAMPLE (AECOM, 2013)
- TEST PIT (AECOM, 2013)
- BOREHOLE (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (EXP, 2023)
- BOREHOLE (EXP, 2024)
- BOREHOLE / MONITORING WELL (EXP, 2024)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

BOREHOLE / MONITORING WELL LOCATION PLAN
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: JUNE 2024	FIG. No.: 5A

ARBORIST DRAWING LENGEND

- MINIMUM TREE PROTECTION ZONE (MTPZ AS PER BYLAW)
- CRITICAL ROOT ZONE (CRZ AS PER TREE BYLAW)
- CANOPY LIMIT
- TREE PROTECTION FENCE – (POLY MESH) – MIN 1.2M HT
- TREE PROTECTION FENCE – (POLY MESH) – MIN 1.2M HT OPTIONAL TREE PROTECTION HOARDING FOR SMALL SIZE/HEDGE/SHRUBS
- BUILDER INSTALLED WOOD FRAME FENCE (1.2M HT)
- ZONE OF CONSTRUCTION / DEMOLITION / EXCAVATION
- AREA OF TREE PROTECTION ZONE ENCROACHMENT EXCAVATION WHICH MAY REQUIRE ROOT PRUNING ARBORIST TO BE PRESENT DURING ANY EXCAVATION IN THESE AREAS.
- TREE PROTECTION ZONE

TREE BLOCK SYMBOLS

- TREE TO BE PRESERVED/RETAINED
- CANOPY EXTENT
- Ø0.20 DBH (TRUNK DIAMETER AT 1.4M ABOVE GRADE)
- MINIMUM TREE PROTECTION ZONE RADIUS
- # Ø0.20 TREE TO BE REMOVED PERMIT REQUIRED
- # Ø0.20 TREE TO BE REMOVED NO PERMIT REQUIRED/SMALL SIZE
- COLLAPSED TREE – NOT IN INVENTORY
- HEDGE/SHRUB (SMALL SIZE PROTECTION OPTIONAL)

Pre-Construction Phase

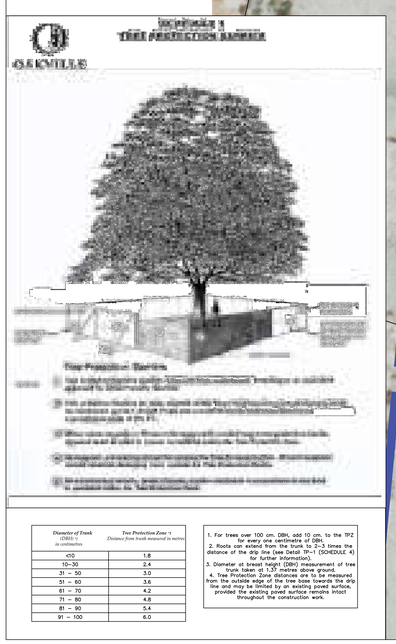
Prior to the commencement of construction, tree preservation hoarding, as per the above drawing, and with regards to arborist removals and any required pruning for construction, should be implemented as follows:

1. All Tree Preservation Hoarding is to be erected and placed as per the location presented on the attached Tree Preservation Plan Drawing TPP-101.
   Note: Tree Protection Hoarding must be installed upon approval of the tree preservation plan, and prior to release of any permits for the subject property. Upon approval of the Arborist Report and Tree Preservation Plan, and release of permit release being sent to the client, the hoarding is to be erected.
2. If it is determined by engineering that silt fencing be required for the site to prevent silt movement, it is the recommendation of the arborist that the silt fencing be placed as close to and on the construction side of tree protection hoarding.
3. If silt fencing is deemed required within hoarded areas of tree protection, it is not to be placed in this area, but instead have a minimal amount of clear stone placed at the base. This will prevent impact to tree roots in area from the digging in of silt fencing, as well as be more ideal for the prevention of silt movement beyond the silt fence.
4. All tree protection hoarding (vertical and/or horizontal), and silt fencing (if required), is to be inspected for correct construction and placement as per the Tree Protection and Preservation Plan Drawing and Site Plan by a Certified Arborist, or other approved consultant, or by a member from of Oakville Staff. If inspected by other than Town of Oakville Staff, then the consultant will provide written certification to the municipality that the above noted tree and vegetation protection measures (if/where required) have been satisfactorily installed
5. Any pruning of trees that is to occur, as approved and permitted by the Town of Oakville for significant size trees, should occur during this phase. No removals of significant size trees may occur until such time as tree pruning has been approved by Forestry and tree injury permits have been released and are present on site.
6. Any removal of trees of significant size, as approved and permitted by the Town of Oakville should occur during this phase. No removals of significant size trees may occur until such time as tree removal permits have been released and are present on site.

During and Post-Construction

Upon completion of the temporary use and removal of the site from temporary use, it is recommended that the following be undertaken to promote health and vigor of trees on the site as they recover from construction impacts.

1. Upon completion of construction and approval of such from the Town of Oakville, all tree protection hoarding may be removed from the site.
2. Replacement Tree Plantings, where/if required for tree removals, and as per an approved Replacement Tree Planting Plant Landscape Plan, are to be completed. For replacement tree plantings, it is recommended that the next planting season post application approval as follows:
   - If application completion occurs in the fall/winter, compensation plantings should occur in the first spring season post completion.
   - If application completion occurs in the spring/summer, compensation plantings should occur in the first fall season post construction completion.
3. Any replacement tree plantings installed while the site is still in temporary use are to be protected with hoarding protection. This hoarding is recommended to include an MTPZ protection zone of no less than 1.0m in radius from all sides of the tree, or a minimum of a 2.4m radius from all sides of the tree.
4. It is recommended that a mulch bed be placed in the areas surrounding the base of existing trees, as well as any new trees planted in future planting seasons. This mulch area is recommended to be 2.4m in radius, at minimum, up to the size of the canopy area extent. Further, the mulch bed should be no greater than 15cm (6cm (+ - 2 inches) in depth. A mulch bed of this nature will moderate soil temperature and moisture loss through evaporation, creating a better growing environment for roots.



Diameter of Trunk (DBH) in centimetres	Tree Protection Zone 1 Distance from trunk measured in metres
<10	1.8
10–30	2.4
31 – 50	3.0
51 – 60	3.6
61 – 70	4.2
71 – 80	4.8
81 – 90	5.4
91 – 100	6.0

1. For trees over 100 cm. DBH, add 10 cm. to the TPZ for every one centimetre of DBH.
2. Roots can extend from the trunk to 2–3 times the distance of the drip line (see Detail TP–1 [SCHEDULE 4] for further information).
3. Diameter at 1.37 metres is measurement of tree trunk taken at 1.37 metres above ground.
4. Tree Protection Zone distances are to be measured from the outside edge of the tree base towards the drip line and may be limited by an existing paved surface, provided the existing paved surface remains intact throughout the construction work.

General Notes

TREE PROTECTION PLAN NOTES

PRIOR TO SITE DISTURBANCE THE OWNER MUST CONFIRM THAT NO MIGRATORY BIRDS ARE MAKING USE OF THE SITE FOR NESTING. OWNER MUST ENSURE THAT THE WORKS ARE IN ADDITIONALLY WITH THE MIGRATORY BIRD CONVENTION ACT AND THAT NO MIGRATORY BIRD NESTS WILL BE IMPACTED BY THE PROPOSED WORK.
IT IS THE APPLICANTS RESPONSIBILITY TO DISCUSS POTENTIAL TREE INJURY OF TREES ON SHARED PROPERTY LINES WITH THEIR NEIGHBOURS. SHOULD SUCH TREES BE INJURED TO THE POINT OF REMOVAL AS A RESULT OF CONSTRUCTION, THE OWNER IS RESPONSIBLE FOR REMOVAL AND SUCH ISSUES WOULD BE DEALT WITH IN CIVIL COURT OR THROUGH NEGOTIATION. THE APPLICANT WOULD BE REQUIRED TO REPLACE SUCH TREES TO THE SATISFACTION OF URBAN FORESTRY.

TREE PROTECTION ZONE(S):
NO CONSTRUCTION ACTIVITY INCLUDING GRADE CHANGES, SURFACE TREATMENTS OR EXCAVATIONS OF ANY KIND IS PERMITTED WITHIN THE AREA IDENTIFIED ON THE TREE PROTECTION PLAN OR SITE PLAN AS A TREE PROTECTION ZONE (TPZ). NO ROOT CUTTING IS PERMITTED. NO STORAGE OF MATERIAL OR EQUIPMENT OF ANY KIND AND NO MOVEMENT OR STORAGE OF VEHICLES OR EQUIPMENT IS PERMITTED WITHIN THE TPZ. THE AREA(S) IDENTIFIED AS A TPZ MUST REMAIN UNDISTURBED AT ALL TIMES.

TREE PROTECTION BARRIERS:
FOR CITY–OWNED TREES:
TREE PROTECTION BARRIERS FOR TREES SITUATED ON THE CITY ROAD ALLOWANCE WHERE VISIBILITY MUST BE MAINTAINED, CAN BE 1.2M (4FT.) HIGH AND CONSIST OF CHAIN LINK, OR ORANGE PLASTIC MESH SNOW FENCING ON A 2" X 4" WOOD FRAME. ALL SUPPORTS AND BRACING USED TO SECURE THE BARRIER SHOULD BE LOCATED OUTSIDE THE TPZ. ALL SUPPORTS AND BRACING SHOULD MINIMIZE DAMAGE TO ROOTS OUTSIDE THE TPZ.
WHERE SOME FILL OR EXCAVATE HAS TO BE TEMPORARILY LOCATED NEAR A TREE PROTECTION BARRIER, PLYWOOD MUST BE USED TO ENSURE NO MATERIAL ENTERS THE TPZ.
WHERE ACCESS TO THE SITE IS REQUIRED THROUGH A CITY ROAD ACCESS, THE TREE PROTECTION BARRIER MUST BE MAINTAINED AT A LESSER DISTANCE AND THE EXPOSED TPZ PROTECTED WITH PLYWOOD AND WOOD CHIPS. THIS MUST FIRST BE APPROVED BY URBAN FORESTRY.

FOR TREES ON PRIVATE PROPERTY SITUATED ON OR ADJACENT TO CONSTRUCTION SITES:
TREE PROTECTION BARRIERS MUST BE INSTALLED AROUND TREES TO BE PROTECTED USING PLYWOOD CLAD HOARDING OR AN EQUIVALENT APPROVED BY URBAN FORESTRY. ALL SUPPORTS AND BRACING USED TO SECURE THE BARRIER SHOULD BE OUTSIDE THE TPZ. ALL SUCH SUPPORTS AND BRACING SHOULD MINIMIZE DAMAGE TO ROOTS OUTSIDE THE TPZ.

GENERAL NOTE:
PRIOR TO THE COMMENCEMENT OF ANY SITE ACTIVITY THE TREE PROTECTION BARRIERS SPECIFIED ON THIS PLAN MUST BE INSTALLED AND WRITTEN NOTICE PROVIDED TO URBAN FORESTRY. THE TREE PROTECTION BARRIERS MUST REMAIN IN EFFECTIVE CONDITION UNTIL ALL SITE ACTIVITIES INCLUDING LANDSCAPING ARE COMPLETE. WHERE REQUIRED, SIGNS AS SPECIFIED IN SECTION 4 "TREE PROTECTION SIGNAGE" MUST BE ATTACHED TO THE TREE PROTECTION BARRIERS.
WRITTEN NOTICE MUST BE PROVIDED TO URBAN FORESTRY PRIOR TO THE REMOVAL OF THE TREE PROTECTION BARRIERS.

ARBORICULTURAL WORK:
ANY ARBORICULTURAL WORKS WHICH EXTEND BEYOND THE TPZ INDICATED ON THIS PLAN WHICH REQUIRE PRUNING, MUST BE PRUNED BY A QUALIFIED ARBORIST OR OTHER TREE PROFESSIONAL AS APPROVED BY URBAN FORESTRY. ALL PRUNING OF TREE ROOTS AND BRANCHES MUST BE IN ACCORDANCE WITH THE CURRENT ANSI A300 PRUNING STANDARDS. ANY WORK OUTSIDE THE TPZ THAT HAVE RECEIVED APPROVAL FROM URBAN FORESTRY TO BE PRUNED MUST FIRST BE EXPOSED BY HAND DIGGING OR BY USING A LOW PRESSURE HYDRO VAC METHOD. THIS WILL ALLOW A PROPER PRUNING CUT AND MINIMIZE TEARING OF THE ROOTS. THE ARBORIST/TREE PROFESSIONAL RETAINED TO CARRY OUT CROWN OR ROOT PRUNING MUST CONTACT URBAN FORESTRY NO LESS THAN 48 HOURS PRIOR TO CONDUCTING ANY SPECIFIED WORK.

No.	Revision/Issue	Date

M.R. PLOWMAN ON-1118A

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OAKVILLE, ON L6L 2H3
TEL: 905–827–1134

Client:
ROSE DEVELOPMENT

420 SOUTH SERVICE RD EAST OAKVILLE

Drawing Title:
TREE PROTECTION PLAN
EAST/SOUTHEAST PORTION OF SITE
(WOODLOT A1 & A2)

Date: 2–Dec–23	Project: 420SOUTHSERVICE
Scale: 1 : 250	
Drawn By: mg	Sheet: TPR–106
Tree Survey Date: 3/4–Nov–2023	
Total Drawings: 6 of 7	

Sampling and Analysis Plan

GTR-23006348-E1 - Groundwater Sampling 2 - 420 South Service Road, Oakville, Ontario

ID	Screen Depth (mbgs)	Media	Complete	Lab Analysis							Rationale	Notes
				ICPMS Metals	Mercury	Chromium VI	PHCs	BTEX	VOCs	PAHs		
MW1	3.51 - 5.00	Groundwater		1	1	1	1	1		1	Confirm previous sample results	Sample via peristaltic pump.
MW2	4.18	Groundwater		1					1		Confirm previous sample results	Sample via peristaltic pump.
MW4	3.96	Groundwater							1		Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW101	3.66	Groundwater							1		Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW107	3.5	Groundwater	Yes							1	Confirm previous sample results	Sample via peristaltic pump.
MW108	4.67	Groundwater							1		Confirm previous sample results	Sample via peristaltic pump.
MW110S	1.04	Groundwater		1	1						Confirm previous sample results	Sample via peristaltic pump.
MW112	3.81	Groundwater							1		Confirm previous sample results	Sample via peristaltic pump.
MW111	3.89	Groundwater	Yes						1		Confirm previous sample results	Sample via peristaltic pump.
MW114	4.04	Groundwater							1		Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW116	3.96	Groundwater							1		Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW120	3.48	Groundwater							1		Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW122	3.66	Groundwater							1		Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW123	5.64	Groundwater							1		Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW125	1.22	Groundwater									Confirm previous sample results	Sample via peristaltic pump.
MW127	1.37	Groundwater				1	1	1		1	Confirm previous sample results	Sample via peristaltic pump.
MW129	1.27	Groundwater		1	1		1	1	1	1	Confirm previous sample results	Sample via peristaltic pump.
MW130	4.11	Groundwater	Yes							1	Confirm previous sample results	Sample via peristaltic pump.
MW131	1.22	Groundwater	Yes				1	1		1	Confirm previous sample results	Sample via peristaltic pump.
MW137	1.22	Groundwater			1		1	1	1	1	Confirm previous sample results	Sample via peristaltic pump.
MW138	1.98	Groundwater		1	1						Confirm previous sample results	Sample via peristaltic pump.
MW139	1.37	Groundwater							1		Confirm previous sample results	Sample via peristaltic pump.
MW141	0.91	Groundwater		1	1				1		Confirm previous sample results	Sample via peristaltic pump.
MW143	0.76	Groundwater							1		Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW145	0.76	Groundwater							1		Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.

Sampling and Analysis Plan

GTR-23006348-E1 - Groundwater Sampling 2 - 420 South Service Road, Oakville, Ontario

ID	Screen Depth (mbgs)	Media	Complete	Lab Analysis							Rationale	Notes
				ICPMS Metals	Mercury	Chromium VI	PHCs	BTEX	VOCs	PAHs		
MW146	1.37	Groundwater							1		Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW151	1.52	Groundwater							1		Confirm previous sample results	Well to be re-developed prior to sampling Sample via peristaltic pump.
MW204	17.1	Groundwater	Yes	1	1						Confirm previous sample results	Sample via bladder pump.
MW312	1.37	Groundwater	Yes	1	1						Confirm previous sample results	Sample via peristaltic pump.
MW327	3.66	Groundwater							1		Confirm previous sample results	Sample via peristaltic pump.
Duplicate	NA	Groundwater							2		QA/QC purposes	Submit duplicate samples across the program for metals, BTEX
Trip Blank	NA	NA		1					2		QA/QC purposes	Submit trip blank for VOCs

Notes:

QA/QC note: if there is not enough sample at proposed interval, use alternative borehole for duplicate collection

Sampling and Analysis Plan

GTR-23006348-E1 - Delineation Investigation - 420 South Service Road, Oakville, Ontario

ID	Borehole Depth (mbgs)	Screen Depth (mbgs)	Media	Lab Analysis									Rationale	Notes
				ICPMS Metals	Mercury	Methyl Mercury	PHCs	BTEX	VOCs	PAHs	OCPs	pH		
MW119A	7.01	NA	Soil				1	1					Confirmation of previous results	Collect 1 sample for PHCs/BTEX at the water table.
		5.49-7.01	Groundwater				1	1		1			Replacement of damaged location	No soil sampling. Install well at base of borehole (23 ft) with a 1.5 ft screen. Sample for parameters as indicated
MW133A	7.01	NA	Soil								1		Delineation of previous impacts	Collect 1 sample for OCPs above 1.5 m.
		5.49-7.01	Groundwater							1			Delineation of previous impacts	Install well at base of borehole (23 ft) with a 1.5 ft screen. Sample for parameters as indicated
MW207A	5.33	3.81 - 5.33	Groundwater	1			1	1	1	1			Replacement of damaged location	No soil sampling. Install well at base of borehole (17.5 ft) with a 1.5 ft screen. Sample for parameters as indicated
MW301	2.9	1.37 - 2.90	Soil								1		Address on site APEC	Collect 1 sample for OCPs above 1.5 m.
			Groundwater	1			1	1		1			Delineation of previous impacts	No soil sampling. Install well at base of borehole (9.5 ft) with a 5 ft screen. Sample for parameters as indicated
MW302	7.01	3.96 - 7.01	Groundwater						1				Delineation of previous impacts	No soil sampling. Install well at base of borehole (23 ft) with a 10 ft screen. Sample for parameters as indicated
MW303	2.9	NA	Soil								1		Address on site APEC	Collect 1 sample for OCPs above 1.5 m.
		1.37 - 2.90	Groundwater							1			Delineation of previous impacts	No soil sampling. Install well at base of borehole (9.5 ft) with a 5 ft screen. Sample for parameters as indicated
MW304	7.01	3.96 - 7.01	Groundwater						1				Delineation of previous impacts	No soil sampling. Install well at base of borehole (23 ft) with a 10 ft screen. Sample for parameters as indicated
MW305	7.01	3.96 - 7.01	Groundwater						1				Delineation of previous impacts	No soil sampling. Install well at base of borehole (23 ft) with a 10 ft screen. Sample for parameters as indicated
MW306	2.44	0.91-2.44	Groundwater	1					1				Delineation of previous impacts	No soil sampling. Install well at base of borehole (8 ft) with a 1.5 ft screen. Sample for parameters as indicated
MW307	2.44	0.91-2.44	Groundwater	1									Delineation of previous impacts	No soil sampling. Install well at base of borehole (8 ft) with a 1.5 ft screen. Sample for parameters as indicated
MW308S	2.29	1.06-2.29	Groundwater						1				Delineation of previous impacts	No soil sampling. Install well at base of borehole with a 1.5 ft screen. Sample for parameters as indicated

Sampling and Analysis Plan

GTR-23006348-E1 - Delineation Investigation - 420 South Service Road, Oakville, Ontario

ID	Borehole Depth (mbgs)	Screen Depth (mbgs)	Media	Lab Analysis									Rationale	Notes
				ICPMS Metals	Mercury	Methyl Mercury	PHCs	BTEX	VOCs	PAHs	OCPs	pH		
MW308I	6.4	4.88-6.4	Groundwater						1				Delineation of previous impacts	No soil sampling. Install well at base of borehole with a 1.5 ft screen. Sample for parameters as indicated
MW308D	13	10.0 - 13.0	Groundwater						1				Delineation of previous impacts	No soil sampling. Completed as a telescopic well. Set casing at 7 m. Air hammer to depth. No coring required. Install well at base of borehole with a 10 ft screen. Sample for parameters as indicated
MW309	7.01	3.96 - 7.01	Groundwater						1				Delineation of previous impacts	No soil sampling. Install well at base of borehole (23 ft) with a 10 ft screen. Sample for parameters as indicated
MW310	2.44	0.94 - 2.44	Groundwater						1				Delineation of previous impacts	No soil sampling. Install well at base of borehole with a 1.5 ft screen. Sample for parameters as indicated
MW311	4.11	3.66 - 4.11	Groundwater	1					1				Delineation of previous impacts	No soil sampling. Install well at base of borehole (13.5 ft) with a 1.5 ft screen. Sample for parameters as indicated
MW320D	13	10.0 - 13.0	Groundwater						1				Delineation of previous impacts	No soil sampling. Completed as a telescopic well. Set casing at 7 m. Air hammer to depth. No coring required. Install well at base of borehole with a 10 ft screen. Sample for parameters as indicated
MW322A	6.4	4.88-6.4	Groundwater						1				Delineation of previous impacts	No soil sampling. Install well at base of borehole with a 1.5 ft screen. Sample for parameters as indicated
MW332S	2.9	1.37 - 2.90	Groundwater	1									Delineation of previous impacts	No soil sampling. Install well at base of borehole (9.5 ft) with a 5 ft screen. Sample for parameters as indicated
MW332D	13	10.0 - 13.0	Groundwater						1				Delineation of previous impacts	No soil sampling. Completed as a telescopic well. Set casing at 7 m. Core to depth. Install well at base of borehole with a 10 ft screen. Sample for parameters as indicated
MW333	13	10.0 - 13.0	Groundwater						1				Delineation of previous impacts	No soil sampling. Completed as a telescopic well. Set casing at 7 m. Core to depth. Install well at base of borehole with a 10 ft screen. Sample for parameters as indicated
MW334	13	10.0 - 13.0	Groundwater						1				Delineation of previous impacts	No soil sampling. Completed as a telescopic well. Set casing at 7 m. Core to depth. Install well at base of borehole with a 10 ft screen. Sample for parameters as indicated

Sampling and Analysis Plan

GTR-23006348-E1 - Delineation Investigation - 420 South Service Road, Oakville, Ontario

ID	Borehole Depth (mbgs)	Screen Depth (mbgs)	Media	Lab Analysis									Rationale	Notes
				ICPMS Metals	Mercury	Methyl Mercury	PHCs	BTEX	VOCs	PAHs	OCPs	pH		
MW335	13	10.0 - 13.0	Groundwater						1				Delineation of previous impacts	No soil sampling. Completed as a telescopic well. Set casing at 7 m. Core to depth. Install well at base of borehole with a 10 ft screen. Sample for parameters as indicated
MW336	13	10.0 - 13.0	Groundwater						1				Delineation of previous impacts	No soil sampling. Completed as a telescopic well. Set casing at 7 m. Air hammer to depth. No coring required. Install well at base of borehole with a 10 ft screen. Sample for parameters as indicated
MW337	13	10.0 - 13.0	Groundwater						1				Delineation of previous impacts	No soil sampling. Completed as a telescopic well. Set casing at 7 m. Air hammer to depth. No coring required. Install well at base of borehole with a 10 ft screen. Sample for parameters as indicated
MW338	13	10.0 - 13.0	Groundwater						1				Delineation of previous impacts	No soil sampling. Completed as a telescopic well. Set casing at 7 m. Core to depth. Install well at base of borehole with a 10 ft screen. Sample for parameters as indicated
MW339	13	10.0 - 13.0	Groundwater						1				Delineation of previous impacts	No soil sampling. Completed as a telescopic well. Set casing at 7 m. Core to depth. Install well at base of borehole with a 10 ft screen. Sample for parameters as indicated
MW340	7.01	NA	Soil								1		Address on site APEC	Collect 1 sample for OCPs above 1.5 m.
		3.96 - 7.01	Groundwater						1				Delineation of previous impacts	No soil sampling. Install well at base of borehole (23 ft) with a 10 ft screen. Sample for parameters as indicated
Duplicate	NA	NA	Groundwater	1					2				QA/QC purposes	Submit duplicate samples as indicated
Trip Blank	NA	NA	Groundwater						2				QA/QC purposes	Submit trip blank for VOCs

Notes:

QA/QC note: if there is not enough sample at proposed interval, use alternative borehole for duplicate collection

Sampling and Analysis Plan

GTR-23006348-E1 - Delineation Investigation - 420 South Service Road, Oakville, Ontario

ID	Borehole Depth (mbgs)	Screen Depth (mbgs)	Media	Lab Analysis		Rationale	Notes
				Methyl Mercury	pH		
BH104A	1.5	NA	Soil		6	pH averaging	Complete borehole with 2 m both MW104 and BH211. Borehole to average both, but at different intervals. Collect 3 samples for pH between 0.66-1.32 m (2-4.5 ft) Collect 3 samples for pH between 0.2-0.6 m (0-2 ft). Split each sample interval into multiple parts. See note. Minimize presence of concrete fragments from surface as much as possible.
BH108A	2	NA	Soil	2		Delineation of previous impacts	Collect 1 sample for MeHg at 1.5 m (2.5-5 ft). Collect 1 additional sample for MeHg at 2 m (5-6.5 ft) and place on HOLD.
BH114-N	1.5	NA	Soil	2		Delineation of previous impacts	Collect 1 sample for MeHg at 0.61-0.85 m (2-3 ft) Collect 1 additional sample for MeHg at 1.5 m and place on HOLD.
BH114-E	1.5	NA	Soil	2		Delineation of previous impacts	Collect 1 sample for MeHg at 0.61-0.85 m (2-3 ft) Collect 1 additional sample for MeHg at 1.5 m and place on HOLD.
BH114-S	1.5	NA	Soil	2		Delineation of previous impacts	Collect 1 sample for MeHg at 0.61-0.85 m (2-3 ft) Collect 1 additional sample for MeHg at 1.5 m and place on HOLD.
BH117A	1	NA	Soil		3	pH averaging	Complete borehole with 2 m of original location. Collect 3 samples for pH between 0.08-0.59 m (0-2 ft). Split each sample interval into multiple parts. See note. Minimize presence of concrete fragments from surface as much as possible.
BH120A	1.5	NA	Soil		4	pH averaging	Complete borehole with 2 m of original location. Collect 4 samples for pH between 0.13-0.43 m (0.4-1.5 ft). Split each sample interval into multiple parts. See note. Minimize presence of concrete fragments from surface as much as possible.
BH142A	2	NA	Soil	3		Delineation of previous impacts	Collect 1 sample for MeHg at 0-0.5 m (0-1.6 ft). Collect 1 sample for MeHg at 1.07-1.5 (3.5-5 ft) Collect 1 additiona sample for MeHg at 2 m and place on HOLD.
BH203A	1.5	NA	Soil		3	pH averaging	Complete borehole with 2 m of original location. Collect 3 samples for pH between 0.3-1.5 m (1-5 ft). Split sample into A/B/C. See note. Minimize presence of concrete fragments from surface as much as possible.
BH204A	1	NA	Soil		3	pH averaging	Complete borehole with 2 m of original location. Collect 3 samples for pH between 0.2-0.6 m (0-2 ft). Split each sample interval into multiple parts. See note. Minimize presence of concrete fragments from surface as much as possible.
BH212A	1	NA	Soil		3	pH averaging	Complete borehole with 2 m of original location. Collect 4 samples for pH between 0.2-0.5 m (0-1.5 ft). Split each sample interval into multiple parts. See note. Minimize presence of concrete fragments from surface as much as possible.
BH214A	1	NA	Soil		4	pH averaging	Complete borehole with 2 m of original location. Collect 4 samples for pH between 0.2-0.5 m (0.5-2 ft). Split each sample interval into multiple parts. See note. Minimize presence of concrete fragments from surface as much as possible.
BH222A	1	NA	Soil		3	pH averaging	Complete borehole with 2 m of original location. Collect 3 samples for pH between 0.17-0.62 m (0.5-1 ft). Split each sample interval into multiple parts. See note. Minimize presence of concrete fragments from surface as much as possible.
BH330	1.5	NA	Soil	2		Delineation of previous impacts	Collect 1 sample for MeHg between 0.5-0.8 m (1.6-2.6 ft) Collect 1 sample for MeHg between 0.8-1.22 m (2.6-4 ft)
BH331	1.5	NA	Soil	2		Delineation of previous impacts	Collect 1 sample for MeHg between 0.0-0.8 m (0-2.6 ft) Collect 1 sample for MeHg between 0.8-1.22 m (2.6-4 ft)
Duplicate	NA	NA	Soil		3		Submit duplicate samples as indicated

Notes:

QA/QC note: if there is not enough sample at proposed interval, use alternative borehole for duplicate collection

Appendix B – Survey Plan

SURVEYOR'S REAL PROPERTY REPORT
PART 1 - PLAN OF SURVEY OF
PART OF LOT 12, CONCESSION 3, SOUTH OF DUNDAS STREET
(GEOGRAPHIC TOWNSHIP OF TRAFALGAR, COUNTY OF HALTON)
AND LOTS 113 AND 114, REGISTERED PLAN 1009
TOWN OF OAKVILLE
REGIONAL MUNICIPALITY OF HALTON

SCALE 1 : 500
10 0 5 10 20 30 metres
J.D. BARNES LIMITED
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METRIC DISTANCES AND/OR COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

NOTES

BEARINGS ARE UTM GRID, DERIVED FROM REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (2010.0).

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.9997367.

FOR BEARING COMPARISONS,
A ROTATION OF 0°54'10" COUNTER-CLOCKWISE WAS APPLIED TO BEARINGS ON P1;
A ROTATION OF 1°01'50" COUNTER-CLOCKWISE WAS APPLIED TO BEARINGS ON P2,P6,&P7;
A ROTATION OF 0°52'30" COUNTER-CLOCKWISE WAS APPLIED TO BEARINGS ON P4;
A ROTATION OF 0°50'20" COUNTER-CLOCKWISE WAS APPLIED TO BEARINGS ON P5;

PART 2 - SURVEY REPORT

DESCRIPTION OF SUBJECT PROPERTY
PART OF LOT 12, CONCESSION 3, SOUTH OF DUNDAS STREET
AND ALL OF LOTS 113 AND 114, REGISTERED PLAN 1009
TOWN OF OAKVILLE
PIN 24806-0373 (LT)
MUNICIPAL No. 420 SOUTH SERVICE ROAD EAST

REGISTERED EASEMENTS AND/OR RIGHTS-OF-WAY
TOGETHER WITH A RIGHT-OF-WAY AS IN TN21034

BOUNDARY FEATURES
- CHAIN LINK FENCES ON ALL SIDES OF THE PROPERTY
- NOTE LOCATION OF OVERHEAD WIRE AT NORTHERLY CORNER OF THE PROPERTY

ZONING COMPLIANCE
NOT CERTIFIED BY THIS REPORT.

AREAS
AREA PIN 24806-0373 (LT): 110550 sq. m

LEGEND

■	DENOTES	SURVEY MONUMENT FOUND
□	DENOTES	SURVEY MONUMENT SET
SIB	DENOTES	STANDARD IRON BAR
IB	DENOTES	IRON BAR
PB	DENOTES	PLASTIC BAR
NI	DENOTES	NOT IDENTIFIABLE
OU	DENOTES	ORIGIN UNKNOWN
MEAS	DENOTES	MEASURED
MTO	DENOTES	MINISTRY OF TRANSPORTATION ONTARIO
DFP	DENOTES	DONEVAN FLEISHMANN PETRICH LTD., O.L.S.
SVN	DENOTES	SPEIGHT VAN NORSTRAND, O.L.S.
TO	DENOTES	TOWN OF OAKVILLE
760	DENOTES	McCONNELL MAUGHAN LTD., O.L.S.
1225	DENOTES	DAVID B. SEARLES SURVEY LTD., O.L.S.
1574	DENOTES	DELPHI & JENKINS, O.L.S.
P1	DENOTES	REGISTERED PLAN 1009
P2	DENOTES	PLAN 20R-16587
P3	DENOTES	PLAN 20R-17968
P4	DENOTES	PLAN 20R-18321
P5	DENOTES	PLAN 20R-3835
P6	DENOTES	PLAN 20R-15502
P7	DENOTES	EXPROPRIATION PLAN PE227
LS	DENOTES	LIGHT STANDARD
MH	DENOTES	MAN HOLE
MW	DENOTES	MONITORING WELL
DT	DENOTES	DECIDUOUS TREE
CT	DENOTES	CONIFEROUS TREE
PED	DENOTES	BELL PEDESTAL
TC	DENOTES	TELEPHONE CHAMBER
AN	DENOTES	HYDRO POLE ANCHOR
-E-	DENOTES	OVERHEAD HYDRO CABLE
HT	DENOTES	HYDRO TRANSFORMER
CONC	DENOTES	CONCRETE
BOL	DENOTES	BOLLARD
⊗	DENOTES	SINGLE TREE

ALL SET SSIB AND PB MONUMENTS WERE USED DUE TO LACK OF OVERBURDEN AND/OR PROXIMITY OF UNDERGROUND UTILITIES IN ACCORDANCE WITH SECTION 11 (4) OF O.REG. 525/91.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM.

2. THE SURVEY WAS COMPLETED ON SEPTEMBER 26 2022.

SEPTEMBER 28, 2022
DATE

JOHN YUEN
ONTARIO LAND SURVEYOR

THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER V-32935

J.D.BARNES LIMITED
SURVEYING MAPPING GIS
LAND INFORMATION SPECIALISTS
140 RENFREW DRIVE, SUITE 100, MARKHAM, ON L3R 6B3
T: (905) 475-3600 F: (905) 475-3882 www.jdbarnes.com

DRAWN BY:	CHECKED BY:	REFERENCE NO.:
DC/MJ	JY	22-12-311-00
PLOTTED: 9/28/2022		DATED: 28/09/22

PREPARED FOR: ARCADIS CANADA INC.

FILE: S:\22-12-311\00\Drawing\22-12-311-00-Legal.dgn

DETAIL 'A' (NOT TO SCALE)

Phase One, Phase Two, RA and RSC Property

SOUTH SERVICE ROAD EAST
PIN 24806-0358 (LT)

PART 3, PLAN 20R-16587
PART 1, EXP. PLAN PE227
PART 24806-0372 (LT)
PART 5, PLAN 20R-16587
PART 6, PLAN 20R-16587
PART 9, PLAN 20R-15502
PART 8, PLAN 20R-15502
PART 10, PLAN 20R-15502
PIN 24806-0341 (LT)
PIN 24806-0371 (LT)
PIN 24806-0373 (LT)
PART 4, PLAN 20R-16587
PART 7, PLAN 20R-15502
PART 6, PLAN 20R-15502
PART 1, PLAN 20R-18321
PART 2, PLAN 20R-18321
PART 4, PLAN 20R-3835
PART 3, PLAN 20R-3835
PIN 24806-0006 (LT)
PIN 24806-0377 (LT)
PIN 24806-0013 (LT)
PIN 24806-0015 (LT)
PART 3, PLAN 20R-16587 PLAN 937 (P-1939-118)
DEDICATED AS PART OF SOUTH SERVICE ROAD BY-LAW NO.1992-194 AS IN 796376
SUBJECT TO RIGHT-OF-WAY AS IN H652108
LOT 130, REGISTERED PLAN 1009
DEDICATED AS PART OF SOUTH SERVICE ROAD BY-LAW NO.1992-194 AS IN 796376
LOT 12, CONCESSION 3
LOT 114
LOT 113
LOT 112
LOT 111
LOT 127
LOT 108
LOT 107
LOT 128, REGISTERED PLAN 1009
DAVIS ROAD
(BY-LAW NO.1016 REGISTERED AS BL415)
PIN 24806-0014 (LT)
SUBJECT TO EASEMENT AS IN 20272
2 STOREY BRICK BUILDING #420
CONCRETE AREA
ASPHALT AREA
CONCRETE WALK
EDGE OF ASPHALT
EDGE OF CONCRETE
EDGE OF TREES
CHAIN LINK FENCE
RETAINING WALL
FENCE ON LINE
FENCE CORNER ON LINE

Appendix C1 – Borehole Logs/Test Pit Logs

Log of Borehole BH-104A

Project No. GTR-23006349-E1 Drawing No. 1

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		CONCRETE: (~100 mm thick)	105.59	0						
		FILL: sand, trace gravel, brown, moist	~105.5					92	SS1A	pH
								92	SS1B	pH
								92	SS1C	pH
		moist to wet						100	SS2A	pH
			~104.8	1				100	SS2B	pH
								100	SS2C	pH
			~104.2							
		Borehole terminated at 1.37 m depth below grade.		2						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

exp Services Inc.
Brampton, Ontario
Telephone: 905-793-9800
Facsimile: 905-793-0641

Log of Borehole BH-108A

Project No. GTR-23006349-E1 Drawing No. 2

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 2, 2024

Drill Type: Geoprobe 7822

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 0.76 m bgs	103.67	0						
		SILTY CLAY: silty clay, trace gravel	~102.9	1				67	SS1	MeHg
		SILTY CLAY: grey	~102.3	2					SS2	
		Borehole terminated at 1.98 m depth below grade.	~101.7	3						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others		4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

exp Services Inc.
Brampton, Ontario
Telephone: 905-793-9800
Facsimile: 905-793-0641

Log of Borehole BH-114N

Project No. GTR-23006349-E1 Drawing No. 3

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 2, 2024

Drill Type: Geoprobe 7822

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 0.61 m bgs	101.80	0						
			~101.2							
		FILL: sand and gravel fill	~101.1							
		SILTY CLAY: grey, trace organics, moist		1				93	SS1	MeHg
								71	SS2	
			~100.3							
		Borehole terminated at 1.52 m depth below grade.		2						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole BH-114E

Project No. GTR-23006349-E1 Drawing No. 4

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 2, 2024

Drill Type: Geoprobe 7822

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 0.61 m bgs	101.80	0						
		FILL: sand and gravel fill	~101.2							
		SILTY CLAY: dark grey, trace organics and gravel	~101.1	1				85	SS1	MeHg
								67	SS2	
		light grey below 1.42 m bgs	~100.4							
		Borehole terminated at 1.52 m depth below grade.	~100.3	2						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole BH-114S

Project No. GTR-23006349-E1 Drawing No. 5

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 2, 2024

Drill Type: Geoprobe 7822

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 0.61 m bgs	101.80	0						
		FILL: sand and gravel fill	~101.2							
		SILTY CLAY: grey, trace gravel	~101.1					51	SS1	MeHg
				1				100	SS2	
		dark grey below 1.34 m bgs	~100.5							
		Borehole terminated at 1.52 m depth below grade.	~100.3	2						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole BH-117A

Project No. GTR-23006349-E1 Drawing No. 6

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 12, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value 20 40 60	Combustible Vapour Reading (ppm) 25 50 75	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		ASPHALT: (~150 mm thick)	103.76	0				96	SS1A	pH
		FILL: sand and gravel fill, trace brick	~103.6					96	SS1B	pH
								96	SS1C	pH
		Borehole terminated at 0.61 m depth below grade.	~103.2	1						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		2						
				3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

Log of Borehole MW-119A

Project No. GTR-23006349-E1 Drawing No. 7

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 12, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60) / Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		FILL: sand and gravel fill	105.71	0	0 (H) 0 (I)		33	SS1	
				1	0 (H) 0 (I)		33	SS2	
		SILTY CLAY: some sand grey, moist below 1.82 m bgs	~104.0	2	1 (H) 0 (I)		40	SS3	
			~102.8	3	1 (H) 0 (I)		40	SS4	
		WEATHERED SHALE: Weathered shale/rock fragments, black staining/free product, hydrocarbon odour, wet	~101.9	4	1 (H) 0 (I)		33	SS5	
		Direct auger to 7.01 m depth below grade.	~101.1	5	36 (H) 100 (I)		33	SS6	PHC/BTEX
				6					
				7					
		Borehole terminated at 7.01 m depth below grade.	~98.7	8					
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		9					
				10					

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	2.96	

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Log of Borehole BH-120A

Project No. GTR-23006349-E1 Drawing No. 8

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		CONCRETE: (~130 mm thick)	105.79	0						
		FILL: sand, brown, moist	~105.7						SS1A	pH
									SS1B	pH
									SS1C	pH
			~105.3						SS1D	pH
		Borehole terminated at 0.46 m depth below grade.		1						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		2						
				3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole MW-133A

Project No. GTR-23006349-E1 | Drawing No. 9

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 12, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		SILTY CLAY:reddish brown, trace organics/rootlets	106.15	0				100	SS1	OCPs
		SILTY CLAY:reddish brown, trace gravel	~105.4	1				100	SS2	
		Direct auger to 7.01 m depth below grade.	~104.6	2						
			~102.6	3						
				4						
				5						
				6						
			~99.1	7						
		Borehole terminated at 7.01 m depth below grade.		8						
				9						
				10						

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	3.54	

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Log of Borehole BH-142A

Project No. GTR-23006349-E1 | Drawing No. 10

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 2, 2024

Drill Type: Geoprobe 7822

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		FILL: sand and gravel fill	104.06	0				36	SS1	MeHg
			~103.0	1				22	SS2	MeHg
		SILTY CLAY: grey trace gravel below 1.52 m bgs						88	SS3	
		Borehole terminated at 1.98 m depth below grade.	~102.1	2						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole BH-203A

Project No. GTR-23006349-E1 Drawing No. 11

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		CONCRETE: (~190 mm thick)	105.76	0						
		FILL: brown sand, moist	~105.6						SS1A	pH
		SILTY SAND: some clay and gravel, moist	~105.0	1					SS1B	pH
									SS1C	pH
		Borehole terminated at 1.52 m depth below grade.	~104.2	2						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole BH-204A

Project No. GTR-23006349-E1 Drawing No. 12

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		CONCRETE: (~180 mm thick)	105.70	0						
		FILL: brown sand, moist	~105.5							
								63	SS1A	pH*
								63	SS1B	pH*
								63	SS1C	pH*
			~105.1	1						
		Borehole terminated at 0.61 m depth below grade.		2						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole MW-207A

Project No. GTR-23006349-E1 Drawing No. 13

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 5.33 m depth below grade.	104.86	0						
			~102.9	2						
			~99.5	5						
		Borehole terminated at 5.33 m depth below grade.								

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	1.99	

Log of Borehole BH-212A

Project No. GTR-23006349-E1 | Drawing No. 14

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		CONCRETE: (~110 mm thick)	105.81	0						
		FILL: brown sand, trace gravel, moist	~105.7						SS1A	pH
									SS1B	pH
									SS1C	pH
			~105.4						SS1D	pH
		Borehole terminated at 0.46 m depth below grade.		1						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		2						
				3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole BH-214A

Project No. GTR-23006349-E1 | Drawing No. 15

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		CONCRETE: (~150 mm thick)	105.75	0						
			~105.6							
		FILL: brown sand, moist						99	SS1A	pH
								99	SS1B	pH
								99	SS1C	pH
								99	SS1D	pH
			~105.1	1						
		Borehole terminated at 0.61 m depth below grade.		2						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole BH-222A

Project No. GTR-23006349-E1 | Drawing No. 16

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		CONCRETE: (~300 mm thick)	104.21	0						
		FILL: brown sand, trace gravel moist	~103.9					100	SS1A	pH
								100	SS1B	pH
		coarse sand w/ trace gravel below 0.56 m bgs	~103.6					100	SS1C	pH
		Borehole terminated at 0.61 m depth below grade.		1						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		2						
				3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole MW-301

Project No. GTR-23006349-E1 | Drawing No. 17

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 8, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		SILTY CLAY: brown, trace rootlets and gravel, moist	104.86	0				100	SS1	OCPs
		Direct auger to 2.89 m depth below grade	~104.1	1						
			~103.4	2						
		Borehole terminated at 2.89 m depth below grade.	~102.0	3						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	1.44	

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Log of Borehole MW-302

Project No. GTR-23006349-E1 | Drawing No. 18

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 7.01 m depth below grade.	104.99	0						
			~102.5	3						
			~98.0	7						
		Borehole terminated at 7.01 m depth below grade.		10						

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	2.46	

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Log of Borehole MW-304

Project No. GTR-23006349-E1 | Drawing No. 19

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 7.01 m depth below grade.	104.27	0						
				1						
				2						
			~101.7	3						
				4						
				5						
				6						
			~97.3	7						
		Borehole terminated at 7.01 m depth below grade.		8						
				9						
				10						

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	2.58	

Log of Borehole MW-305

Project No. GTR-23006349-E1 Drawing No. 20

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 7.01 m depth below grade.	103.06	0						
			~100.4	3						
			~96.1	7						
		Borehole terminated at 7.01 m depth below grade.								

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	2.68	

Log of Borehole MW-306

Project No. GTR-23006349-E1 Drawing No. 21

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 2.44 m depth below grade.	101.57	0						
			~100.4	1						
				2						
			~99.1	3						
		Borehole terminated at 2.44 m depth below grade.		4						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	1.21	

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Log of Borehole MW-307

Project No. GTR-23006349-E1 Drawing No. 22

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 2.44 m depth below grade.	101.57	0						
			~100.8	1						
				2						
			~99.1	3						
		Borehole terminated at 2.44 m depth below grade.		4						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	0.78	

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Log of Borehole MW-308S

Project No. GTR-23006349-E1 Drawing No. 23

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 30, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 2.28 m depth below grade.	101.13	0						
			~100.0	1						
				2						
			~98.9	3						
		Borehole terminated at 2.28 m depth below grade.		4						
				5						

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	1.09	

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Log of Borehole MW-308I

Project No. GTR-23006349-E1 Drawing No. 24

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 30, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 6.4 m depth below grade.	101.13	0						
▼			~98.8	2						
			~94.7	6						
		Borehole terminated at 6.4 m depth below grade.								

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	2.31	

Log of Borehole MW-308D

Project No. GTR-23006349-E1 Drawing No. 25

Project: Phase Two ESA Sheet No. 1 of 2

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 30, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 12.8 m depth below grade.	101.13	0						
				1						
				2						
				3						
				4						
				5						
▽			~95.3	6						
				7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Continued Next Page

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	5.80	

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Log of Borehole MW-308D

Project No. GTR-23006349-E1 Drawing No. 25

Project: Phase Two ESA Sheet No. 2 of 2

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			91.13	10	20 40 60	25 50 75				
				11						
				12						
			~88.3	13						
		Borehole terminated at 12.8 m depth below grade.		14						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. This borehole was drilled telescopically from the first 7.62 metres and then sealed off with grout. 3. Interpretation assistance by EXP is required before use by others.		15						
				16						
				17						
				18						
				19						
				20						
				21						
				22						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	5.80	

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Log of Borehole MW-309

Project No. GTR-23006349-E1 Drawing No. 26

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 7.01 m depth below grade.	101.82	0						
				1						
			~99.8	2						
				3						
				4						
				5						
				6						
			~94.8	7						
		Borehole terminated at 7.01 m depth below grade.		8						
				9						
				10						

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	2.05	

Log of Borehole MW-310

Project No. GTR-23006349-E1 Drawing No. 27

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 2.44 m depth below grade.	101.82	0						
			~100.3	1						
				2						
			~99.4	3						
		Borehole terminated at 2.44 m depth below grade.		4						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	1.50	

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Log of Borehole MW-311

Project No. GTR-23006349-E1 Drawing No. 28

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 2.44 m depth below grade.	101.59	0						
			~100.3	1						
				2						
			~99.2	3						
		Borehole terminated at 2.44 m depth below grade.								
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	1.26	

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Log of Borehole MW312

Project No. GTR-23006349-E1 | Drawing No. 29

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 14, 2023

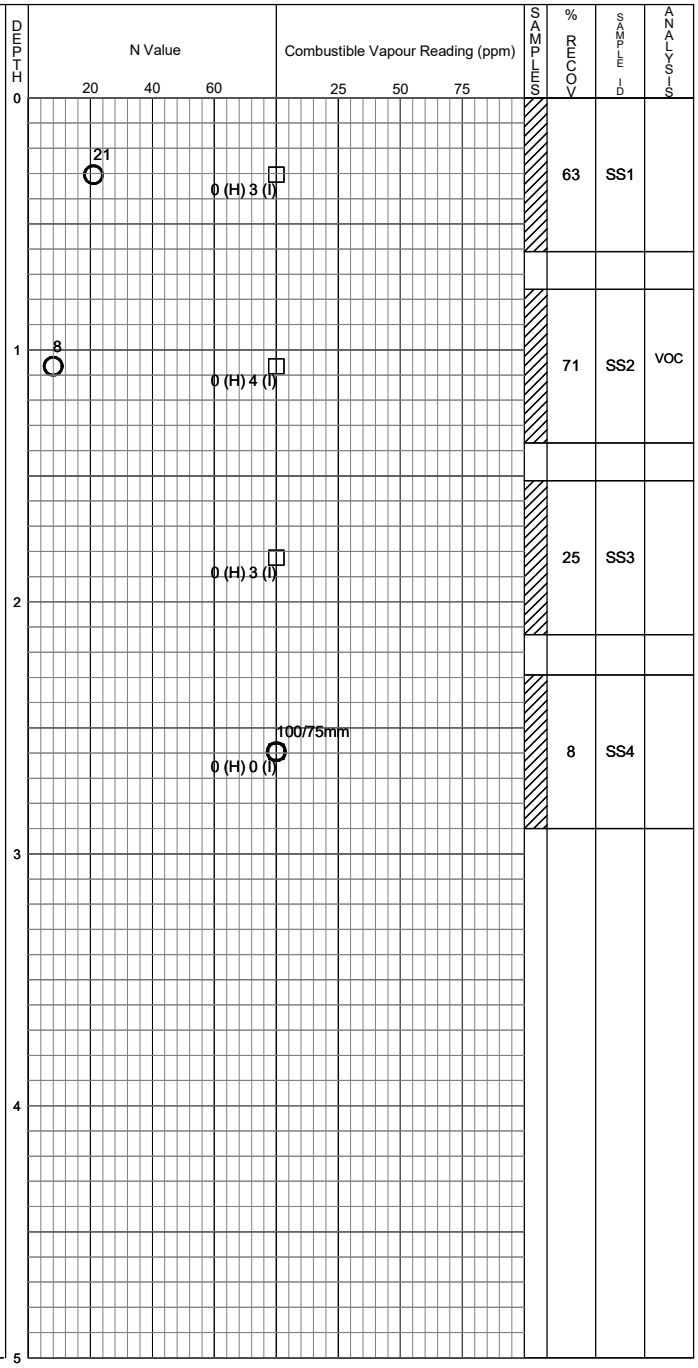
Drill Type: CME-75 Track Mount. Solid Stem

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH
			103.99	0
		ASPHALT: (~75 mm thick)	~103.9	
		GRANULAR: (~180 mm thick)		
		FILL: silty clay, trace sand, brown, moist (possible reworked native)	~103.7	
		SILTY CLAY TILL: trace sand, brown to grey, moist, hard	~102.9	1
		some shale inclusions below 1.5 m		2
		SHALE BEDROCK: highly weathered, some silty clay till layers, grey	~101.7	3
		Borehole terminated at 2.9 m depth below existing grade.	~101.1	4
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		5



SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
	63	SS1	
	71	SS2	VOC
	25	SS3	
	8	SS4	

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	dry	open
September 10, 2024	1.41	

Log of Borehole MW313

Project No. GTR-23006349-E1 | Drawing No. 30

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 14, 2023

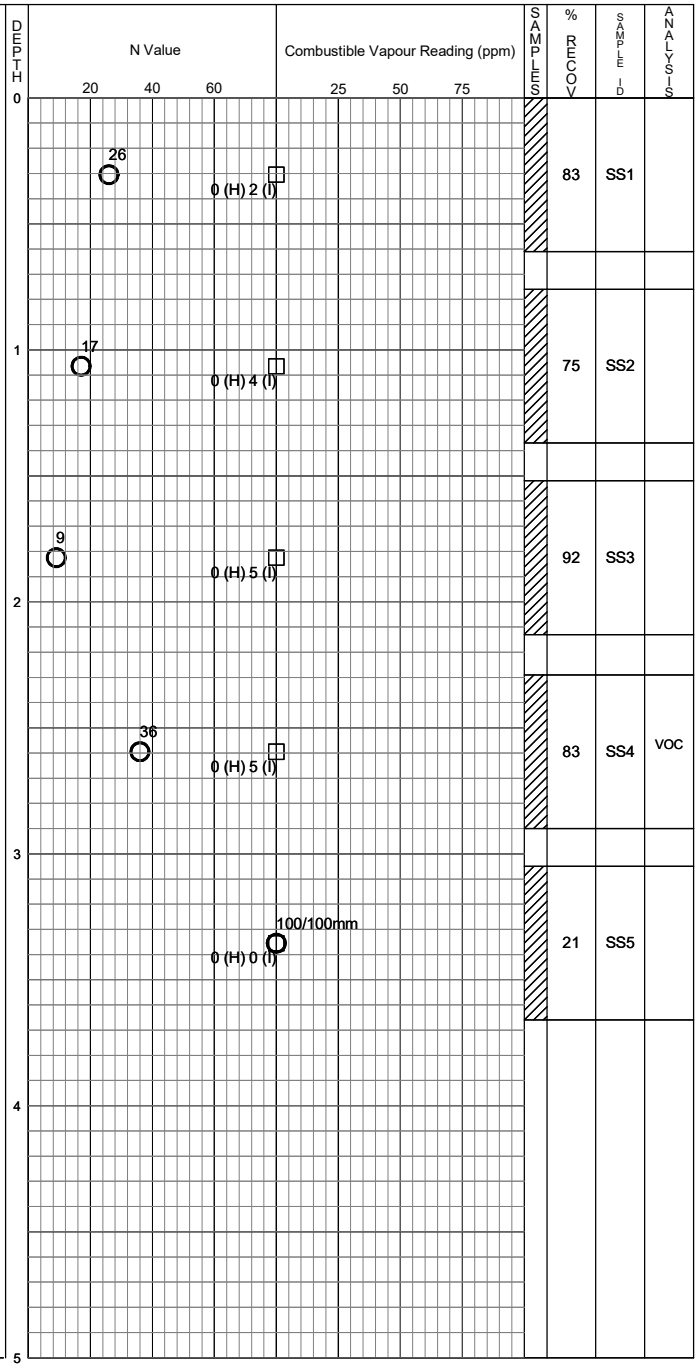
Drill Type: CME-75 Track Mount. Solid Stem

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH
		GRANULAR: (~180 mm thick)	105.37	0
		FILL: silty clay, trace sand, brown, moist	~105.2	
		trace asphalt below 0.8 m		1
		SILTY CLAY TILL: trace sand and gravel, brown to grey, moist, hard	~102.9	2
		SHALE BEDROCK: highly weathered, some silty clay till layers, grey	~102.3	3
		Borehole terminated at 3.7 m depth below existing grade.	~101.7	4
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		5



SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
	83	SS1	
	75	SS2	
	92	SS3	
	83	SS4	VOC
	21	SS5	

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	dry	open
September 10, 2024	2.59	

Log of Borehole MW314

Project No. GTR-23006349-E1 | Drawing No. 31

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 11, 2023

Drill Type: CME-75 Track Mount. Solid Stem

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		GRANULAR: (~330 mm thick)	105.85	0	30	0 (H) 5 (I)		54	SS1	
		SILTY CLAY TILL: trace sand and gravel, brown, damp to moist, hard	~105.5	1	27	0 (H) 5 (I)		75	SS2	
		trace shale inclusions below 2.3 m		2	72	0 (H) 8 (I)		100	SS3	VOC
				2	50/75mm	0 (H) 2 (I)		58	SS4	
				3	50/125mm	0 (H) 0 (I)		38	SS5	
		SHALE BEDROCK: highly weathered to weathered, some silty clay till layers, grey straight auger to 6.7 m	~101.8	4	50/75mm	0 (H) 0 (I)		8	SS6	
		Borehole terminated at 6.7 m depth below existing grade.	~99.2	5						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		6						
				7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	3.5	open
September 10, 2024	2.57	

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Log of Borehole MW315

Project No. GTR-23006349-E1 | Drawing No. 32

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 11, 2023

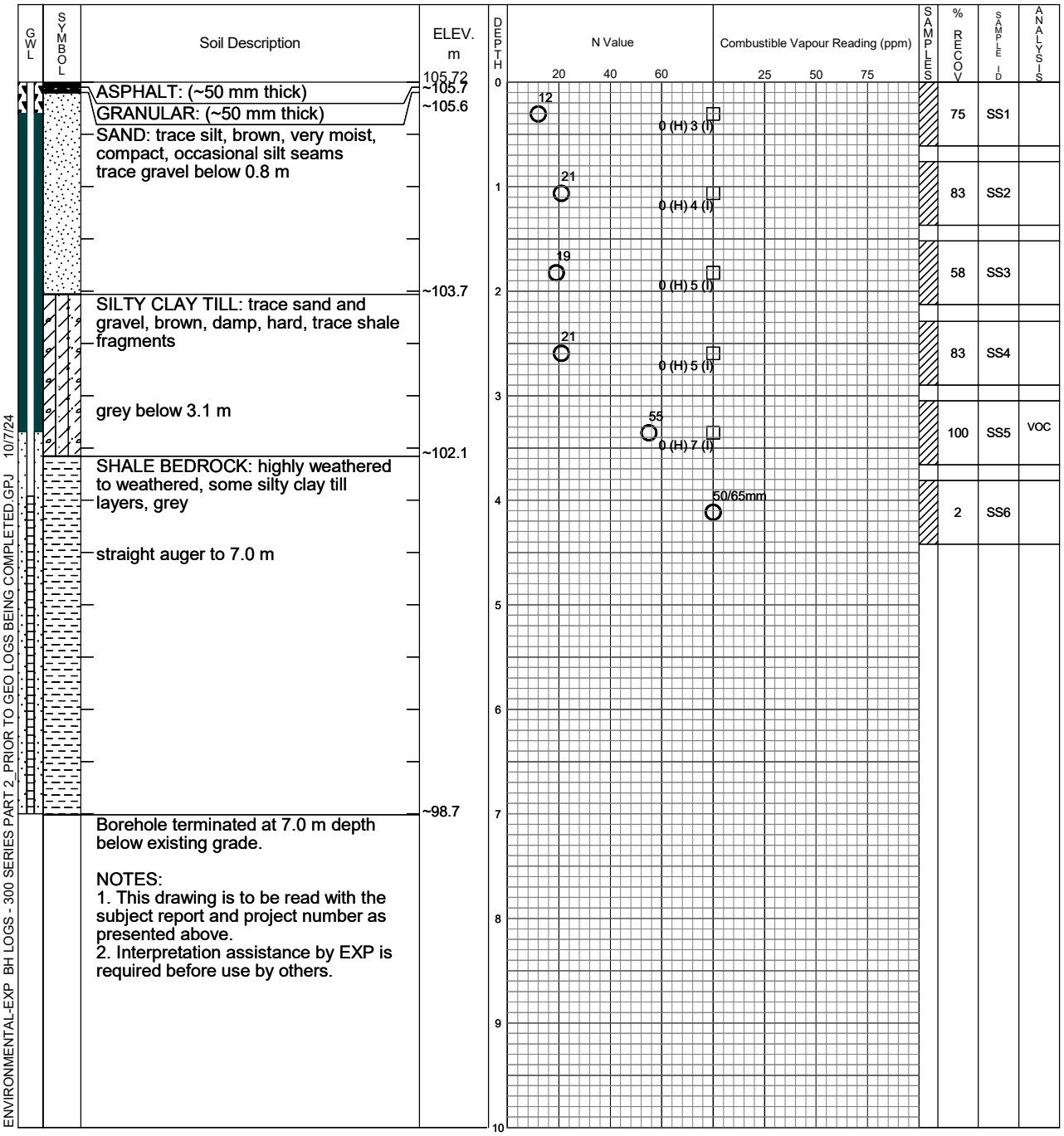
Drill Type: CME-75 Track Mount. Solid Stem

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH
			105.72	0
		ASPHALT: (~50 mm thick)	~105.7	
		GRANULAR: (~50 mm thick)	~105.6	
		SAND: trace silt, brown, very moist, compact, occasional silt seams trace gravel below 0.8 m		1
			~103.7	2
		SILTY CLAY TILL: trace sand and gravel, brown, damp, hard, trace shale fragments		
		grey below 3.1 m		3
			~102.1	
		SHALE BEDROCK: highly weathered to weathered, some silty clay till layers, grey		4
		straight auger to 7.0 m		5
				6
				7
			~98.7	
		Borehole terminated at 7.0 m depth below existing grade.		8
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		9
				10



SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
	75	SS1	
	83	SS2	
	58	SS3	
	83	SS4	
	100	SS5	VOC
	2	SS6	

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	3.1	open
September 10, 2024	3.15	

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Log of Borehole MW316

Project No. GTR-23006349-E1 | Drawing No. 33

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 11, 2023

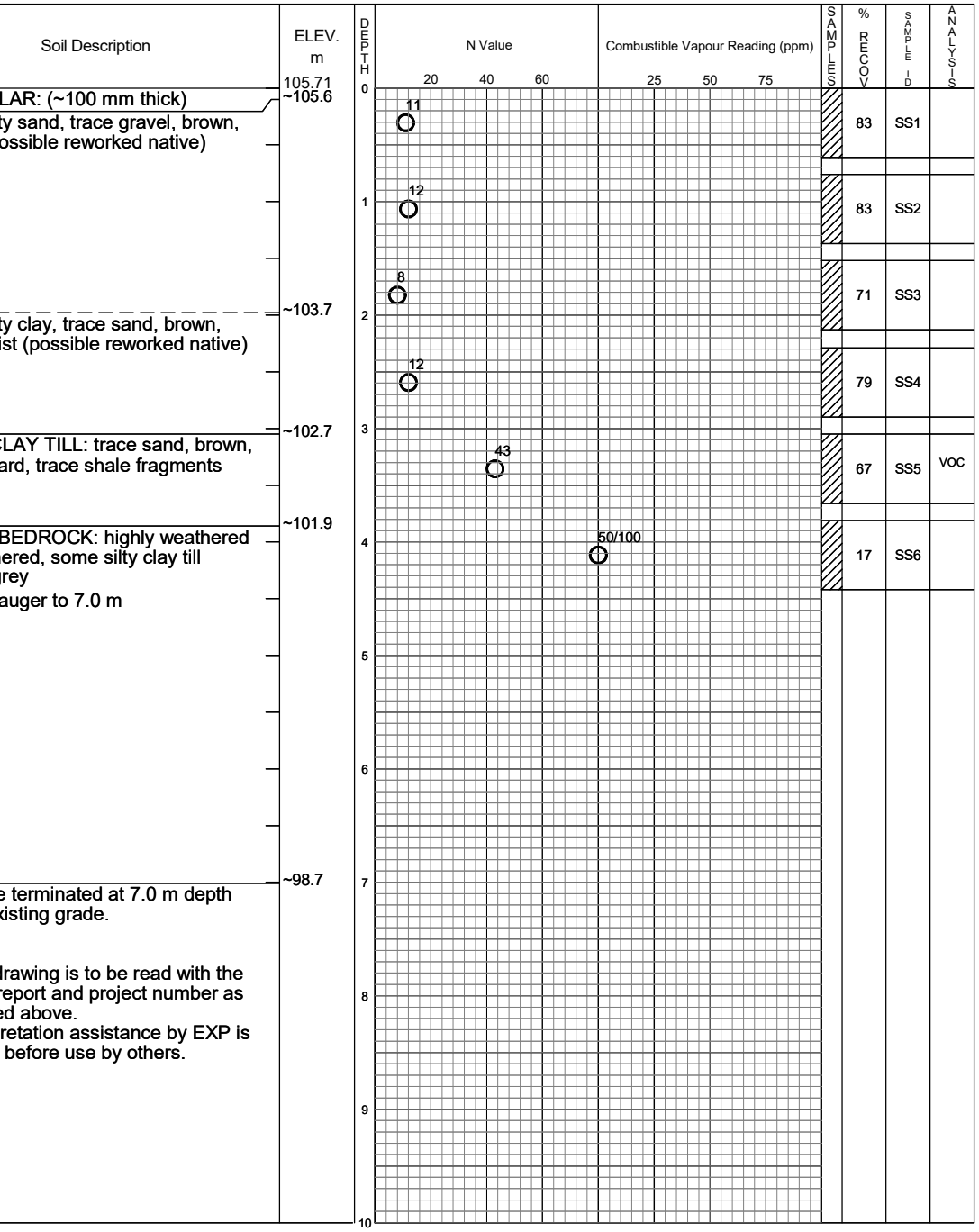
Drill Type: CME-75 Track Mount. Solid Stem

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH
			105.71	0
		GRANULAR: (~100 mm thick)	~105.6	
		FILL: silty sand, trace gravel, brown, moist (possible reworked native)		1
			~103.7	2
		FILL: silty clay, trace sand, brown, very moist (possible reworked native)		
			~102.7	3
		SILTY CLAY TILL: trace sand, brown, moist, hard, trace shale fragments		
			~101.9	4
		SHALE BEDROCK: highly weathered to weathered, some silty clay till layers, grey		
		straight auger to 7.0 m		5
				6
				7
			~98.7	8
		Borehole terminated at 7.0 m depth below existing grade.		9
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		10



SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
	83	SS1	
	83	SS2	
	71	SS3	
	79	SS4	
	67	SS5	VOC
	17	SS6	

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	3.7	open
September 10, 2024	3.31	

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Log of Borehole MW317

Project No. GTR-23006349-E1 | Drawing No. 34

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 11, 2023

Drill Type: CME-75 Track Mount. Solid Stem

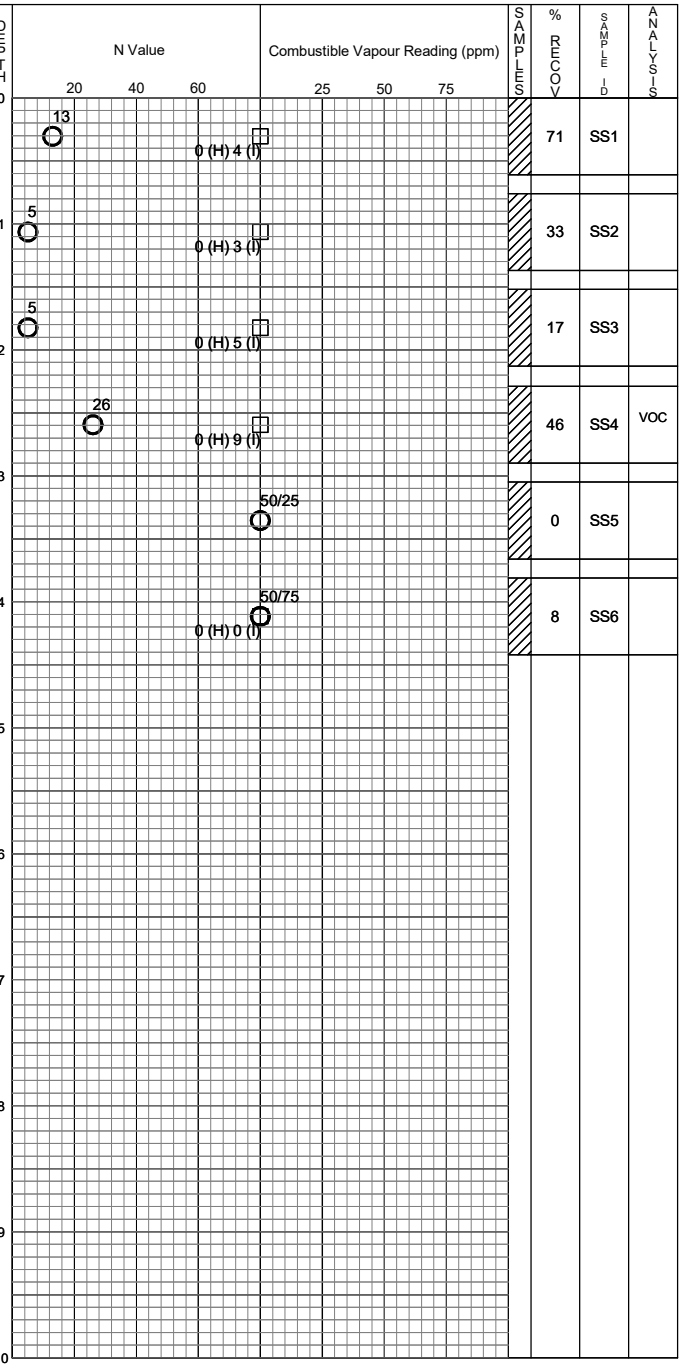
Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH
			104.23	0
		ASPHALT: (~25 mm thick)	~104.2	
		GRANULAR: (~230 mm thick)	~104.0	
		FILL: silty clay, trace sand, brown, very moist (possible reworked native) trace asphalt at 0.8 m		1
		grey, wet, trace organics below 1.5 m		2
		SILTY CLAY TILL: trace sand, grey, moist, hard, trace shale fragments	~101.8	3
		SHALE BEDROCK: highly weathered to weathered, some silty clay till layers, grey	~101.2	4
		straight auger to 7.0 m		5
				6
				7
		Borehole terminated at 7.0 m depth below existing grade.	~97.2	8
				9
				10

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.



SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
	71	SS1	
	33	SS2	
	17	SS3	
	46	SS4	VOC
	0	SS5	
	8	SS6	

Time	Water Level (m)	Depth to Cave (m)
on completion	2.7	open
September 10, 2024	2.27	

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ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Log of Borehole MW319

Project No. GTR-23006349-E1 | Drawing No. 35

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 11, 2023

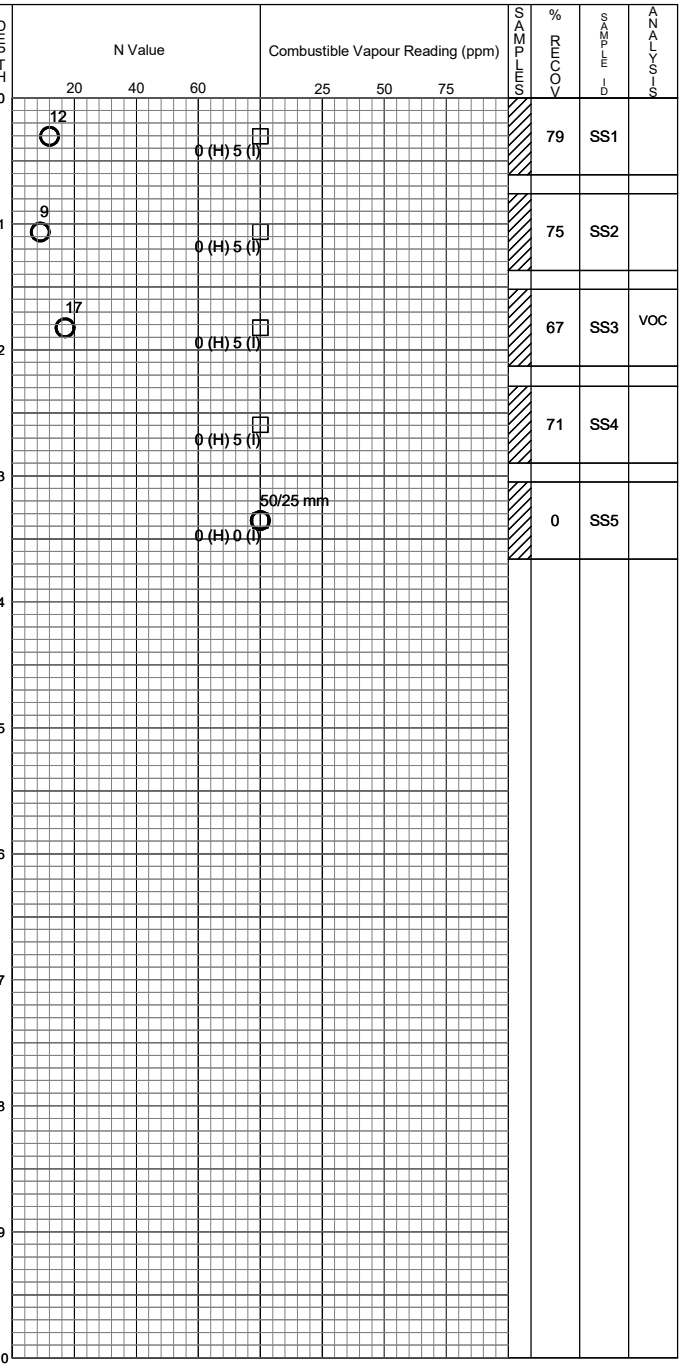
Drill Type: CME-75 Track Mount. Solid Stem

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH
			104.19	0
		CONCRETE: (~75 mm thick)	~104.1	
		FILL: sand, trace silt, trace gravel, brown, moist		
		FILL: silty clay, trace sand and gravel, brown, very moist, trace black staining	~103.4	1
		SILTY CLAY TILL: trace sand and gravel, grey, moist, stiff, occasional sand seams hard below 2.3 m	~102.4	2
		SHALE BEDROCK: highly weathered to weathered, some silty clay till layers, grey straight auger to 5.5 m	~101.5	3
		Borehole terminated at 5.5 m depth below existing grade.	~98.7	4
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		5
				6
				7
				8
				9
				10



SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
	79	SS1	
	75	SS2	
	67	SS3	VOC
	71	SS4	
	0	SS5	

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	2.7	open
September 10, 2024	1.75	

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Log of Borehole MW320

Project No. GTR-23006349-E1 | Drawing No. 36

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 14, 2023

Drill Type: CME-75 Track Mount. Solid Stem

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH
			102.76	0
		ASPHALT: (~100 mm thick)	~102.7	
		GRANULAR: (~350 mm thick)		
		FILL: silty clay, trace sand and gravel, dark grey to black, moist, trace rootlets	~102.3	
		SILTY CLAY TILL: trace sand, brown to grey, moist, very stiff, trace shale fragments trace gravel, hard below 1.5 m	~101.5	1
		SHALE BEDROCK: highly weathered to weathered, some silty clay till layers, grey	~100.3	2
		straight auger to 7.6 m		3
				4
				5
				6
				7
				8
				9
		Borehole terminated at 7.6 m depth below existing grade.	~95.1	10

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

N Value: 14 (0–20), 5 (1), 20 (2), 100/125mm (3), 50/75mm (3)

Combustible Vapour Reading (ppm): 20 / 40 / 60 / 25 / 50 / 75

SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
	67	SS1	
	92	SS2	
	83	SS3	
	42	SS4	VOC
	17	SS5	

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	3.7	open
September 10, 2024	2.13	

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Log of Borehole MW-320D

Project No. GTR-23006349-E1 Drawing No. 37

Project: Phase Two ESA Sheet No. 1 of 2

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 30, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 12.8 m depth below grade.	102.79	0						
				1						
				2						
				3						
				4						
				5						
				6						
▼			~96.1	7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Continued Next Page

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	6.66	

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Log of Borehole MW-320D

Project No. GTR-23006349-E1 Drawing No. 37

Project: Phase Two ESA Sheet No. 2 of 2

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			92.79	10	20 40 60	25 50 75				
				11						
				12						
			~90.0	13						
		Borehole terminated at 12.8 m depth below grade.		14						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. This borehole was drilled telescopically from the first 7.62 metres and then sealed off with grout. 3. Interpretation assistance by EXP is required before use by others.		15						
				16						
				17						
				18						
				19						
				20						
				21						
				22						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	6.66	

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Log of Borehole MW322

Project No. GTR-23006349-E1 | Drawing No. 38

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: September 13, 2023

Drill Type: CME-55 Track Mount. Solid

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			101.02	0	20 40 60	25 50 75				
		FILL: silty clay, trace gravel, trace rootlets, brown, moist	~100.9		7	0 (H) 0 (I)		38	SS1	
		FILL: silty clay, trace to some sand, trace gravel, brown, moist								
		SILTY CLAY TILL: trace sand, brown, moist, hard, trace shale fragments	~100.2	1	39	0 (H) 0 (I)		33	SS2	VOC
		SHALE BEDROCK: weathered to highly weathered, some silty clay till layers, grey	~99.3	2	67	0 (H) 0 (I)		79	SS3	
		Borehole terminated at 2.1 m depth below existing grade.	~98.9							
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	dry	open

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Log of Borehole MW323

Project No. GTR-23006349-E1 | Drawing No. 39

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

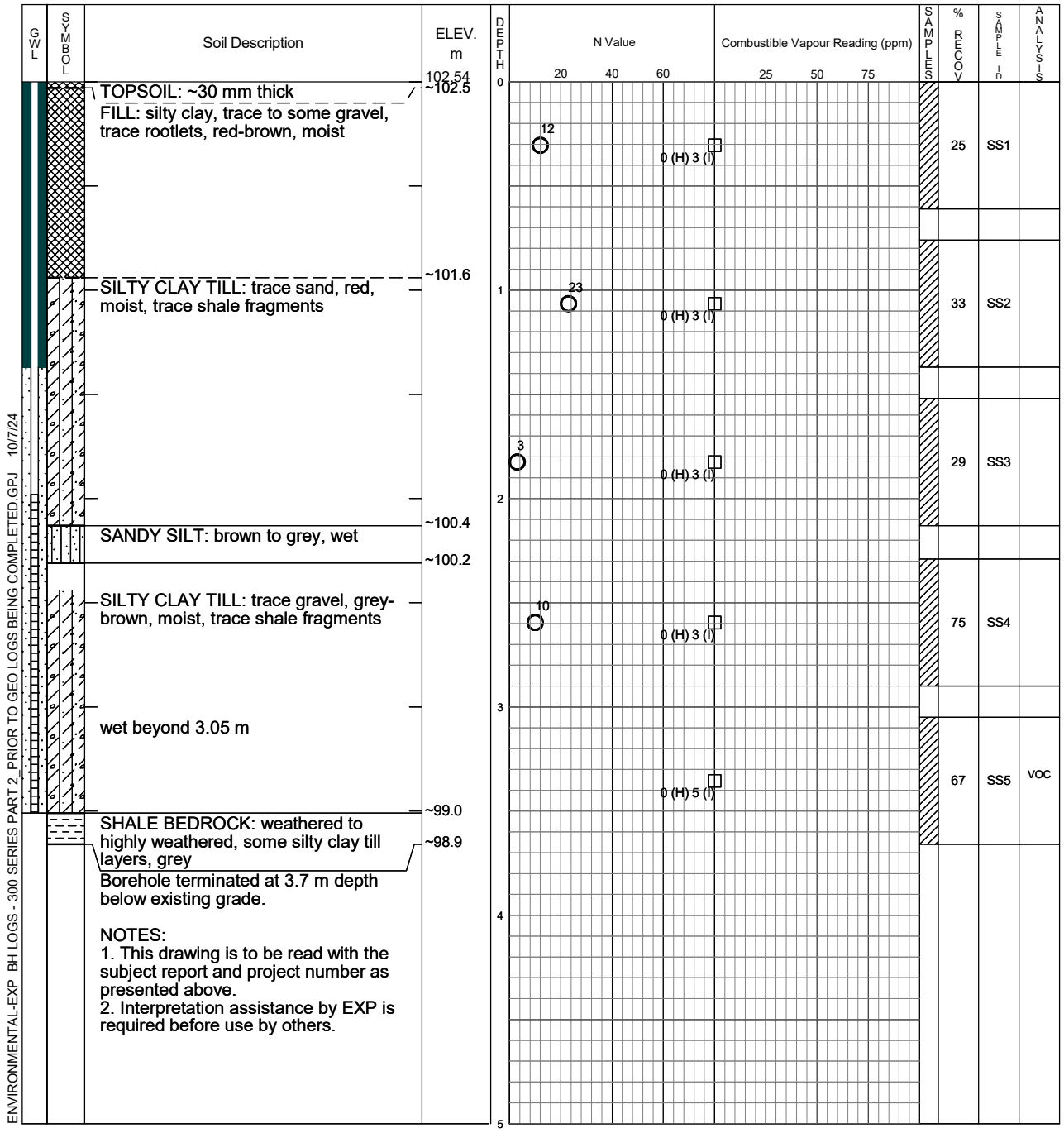
Date Drilled: September 13, 2023

Drill Type: CME-55 Track Mount. Solid

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		



Time	Water Level (m)	Depth to Cave (m)
on completion	dry	open
September 10, 2024	1.95	

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Log of Borehole MW324

Project No. GTR-23006349-E1 | Drawing No. 40

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 11, 2023

Drill Type: CME-75 Track Mount. Solid Stem

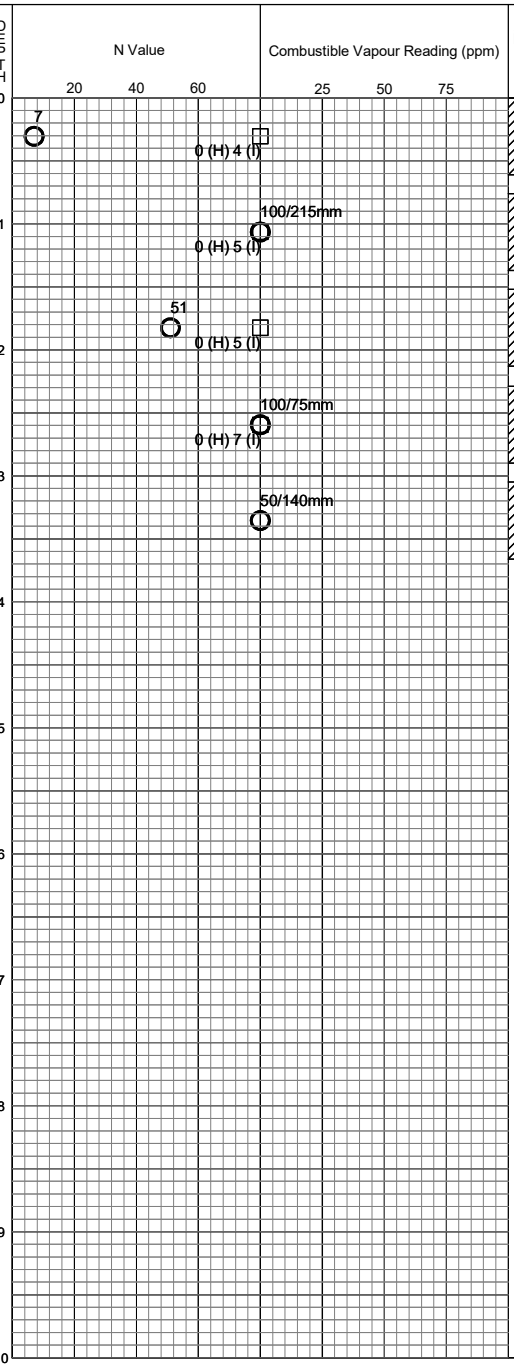
Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH
			103.50	0
		ASPHALT: (~25 mm thick)	~103.5	
		GRANULAR: (~115 mm thick)	~103.3	
		FILL: silty clay, trace sand and gravel, brown, trace black staining		1
			~102.3	
		SILTY CLAY TILL: trace sand, brown, moist, hard, trace shale fragments grey below 1.5 m		2
			~101.1	
		SHALE BEDROCK: highly weathered, some silty clay till layers, grey		3
		straight auger to 5.5 m		4
				5
				6
				7
				8
				9
			~98.0	10
		Borehole terminated at 5.5 m depth below existing grade.		

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.



SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
	75	SS1	
	54	SS2	
	67	SS3	
	58	SS4	VOC
	13	SS5	

Time	Water Level (m)	Depth to Cave (m)
on completion	2.1	open
September 10, 2024	2.04	

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ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Log of Borehole MW325

Project No. GTR-23006349-E1 | Drawing No. 41

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 14, 2023

Drill Type: CME-75 Track Mount. Solid Stem

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20 40 60)	Combustible Vapour Reading (ppm) (25 50 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		CONCRETE: (~140 mm thick)	104.22	0						
		FILL: sand and gravel, brown, moist	~104.1		28	0 (H) 3 (I)		71	SS1	
		damp below 1.5 m		1	30	0 (H) 5 (I)		58	SS2	
				2	18	0 (H) 2 (I)		33	SS3	
		SILTY CLAY TILL: trace sand, brown, moist, hard, trace shale fragments	~101.9		17	0 (H) 6 (I)		88	SS4	VOC
		SHALE BEDROCK: highly weathered to weathered, some silty clay till layers, grey	~101.2	3	50/100	0 (H) 5 (I)		38	SS5	
		straight auger to 5.5 m		4						
				5						
				6						
				7						
				8						
				9						
		Borehole terminated at 5.5 m depth below existing grade.	~98.7	10						

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	2.7	open
September 10, 2024	2.07	

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Log of Borehole MW326

Project No. GTR-23006349-E1 | Drawing No. 42

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 14, 2023

Drill Type: CME-75 Track Mount. Solid Stem

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		GRANULAR: (~75 mm thick)	105.34	0						
		FILL: silty clay, trace sand and gravel, brown to reddish brown, damp to moist	~105.3		18			50	SS1	
				1	13			63	SS2	
		trace organics below 1.5 m								
				2	5			33	SS3	
					10			29	SS4	VOC
			~102.3	3						
		SILTY CLAY TILL: trace sand, brown, moist, hard, trace shale fragments			23			71	SS5	
			~101.7	4						
		Borehole terminated at 3.7 m depth below existing grade.								
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2. PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	dry	open
September 10, 2024	2.94	

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Log of Borehole MW327

Project No. GTR-23006349-E1 | Drawing No. 43

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: September 13, 2023

Drill Type: CME-55 Track Mount. Solid

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH
			102.20	0
		ASPHALT: (~75 mm thick)	~102.1	
		FILL: gravelly sand	~102.0	
		FILL: silty clay, trace gravel, brown, moist		1
			~100.7	
		SILTY CLAY TILL: trace sand, brown, moist, hard, trace shale fragments		2
			~99.2	3
		SHALE BEDROCK: weathered to highly weathered, some silty clay till layers, grey		4
		straight auger to 5.2 m		5
			~97.0	6
		Borehole terminated at 5.2 m depth below existing grade.		7
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		8
				9
				10

N Value: 20 40 60 — Combustible Vapour Reading (ppm): 25 50 75

SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
	38	SS1	
	17	SS2	
	79	SS3	
	67	SS4	VOC
	42	SS5	

N Value: 6 (0 (H) 0 (I)); 7 (0 (H) 0 (I)); 9 (0 (H) 0 (I)); 38 (0 (H) 0 (I)); 0 (H) 0 (I)

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

exp Services Inc.
Brampton, Ontario
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Facsimile: 905-793-0641

Time	Water Level (m)	Depth to Cave (m)
on completion	dry	open
September 10, 2024	1.79	

Log of Borehole MW328

Project No. GTR-23006349-E1 | Drawing No. 44

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

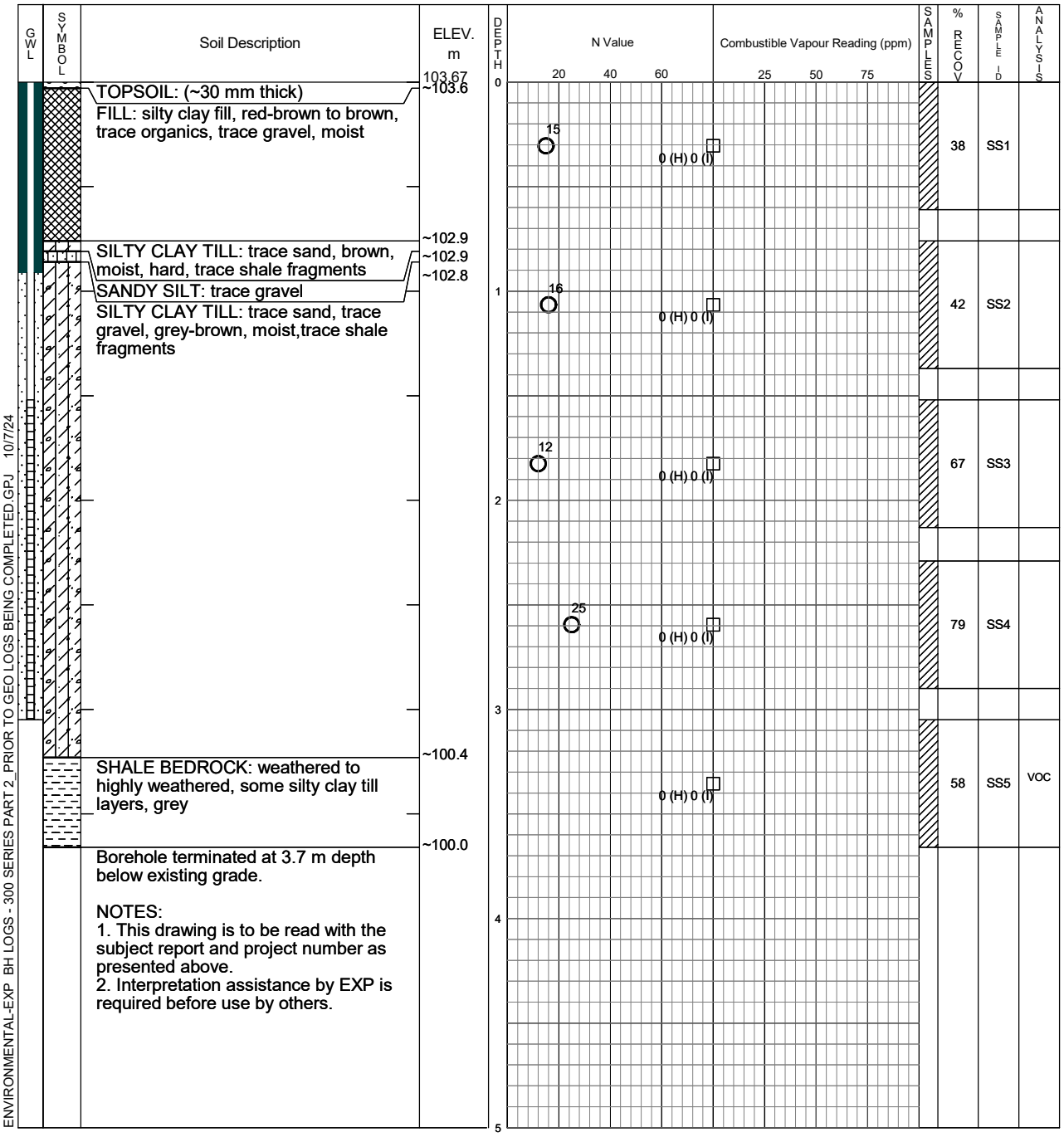
Date Drilled: September 13, 2023

Drill Type: CME-55 Track Mount. Solid

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		



Time	Water Level (m)	Depth to Cave (m)
on completion	dry	open
September 10, 2024	1.93	

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Facsimile: 905-793-0641

Log of Borehole MW-329

Project No. GTR-23006349-E1 | Drawing No. 45

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 30, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 6.4 m depth below grade.	101.08	0						
▽			~98.9	2						
			~94.7	6						
		Borehole terminated at 6.4 m depth below grade.								

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Brampton, Ontario
Telephone: 905-793-9800
Facsimile: 905-793-0641

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	2.17	

Log of Borehole BH-330

Project No. GTR-23006349-E1 | Drawing No. 46

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 2, 2024

Drill Type: Geoprobe 7822

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 0.49 m bgs	103.67	0						
		FILL: sand and gravel fill	~103.2							
		SILTY CLAY: brown, trace gravel	~103.0					93	SS1	MeHg
		red below 1.12 m bgs		1				71	SS2	MeHg
		Borehole terminated at 1.22 m depth below grade.	~102.5							
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		2						
				3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole BH-331

Project No. GTR-23006349-E1 Drawing No. 47

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 2, 2024

Drill Type: Geoprobe 7822

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		FILL: sand and gravel fill	105.71	0						
		SILTY SAND: some clay, trace gravel, brown	~105.4					74	SS1	MeHg
				1				72	SS2	MeHg
		Borehole terminated at 1.22 m depth below grade.	~104.5							
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		2						
				3						
				4						
				5						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole MW-332D

Project No. GTR-23006349-E1 | Drawing No. 48

Project: Phase Two ESA | Sheet No. 1 of 2

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 18, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			105.70							
		CONCRETE: (~100 mm thick)	~105.6	0						
		SAND: trace silt, brown, very moist, compact to dense, occasional silt seams						67	SS1	
				1				75	SS2	
			~104.3							
		SILTY CLAY TILL: trace sand, grey, moist, hard, trace shale fragments		2				100	SS3A	4 (H) 50 (I)
								82	SS3B	9 (H) 210 (I)
								71	SS4	4 (H) 0 (I)
				3				83	SS5	
				4				46	SS6	
			~101.1							
		SHALE BEDROCK: refer to attached rock core log		5						
▼			~99.5	6						
				7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2 PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Continued Next Page

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	6.17	

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Log of Borehole MW-332D

Project No. GTR-23006349-E1 Drawing No. 48

Project: Phase Two ESA Sheet No. 2 of 2

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			95.70	10	20 40 60	25 50 75				
				11						
				12						
				13						
			~92.4	14						
		Borehole terminated at 13.26 m depth below grade.		15						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. This borehole was drilled telescopically from the first 7.62 metres and then sealed off with grout. 3. Interpretation assistance by EXP is required before use by others.		16						
				17						
				18						
				19						
				20						
				21						
				22						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	6.17	

Log of Borehole MW-332S

Project No. GTR-23006349-E1 | Drawing No. 49

Project: Phase Two ESA | Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 9, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 3.96 m depth below grade.	105.70	0						
			~102.5	3						
		Borehole terminated at 3.96 m depth below grade.	~101.7	4						

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	3.18	

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Log of Borehole MW-333

Project No. GTR-23006349-E1 | Drawing No. 50

Project: Phase Two ESA | Sheet No. 1 of 2

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 18, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		CONCRETE: (~140 mm thick)	105.76	0						
		SAND: trace silt, brown, very moist, loose to compact, occasional silt seams	~105.6					67	SS1	
				1				92	SS2	
		SILTY CLAY TILL: trace sand, grey, moist, very stiff, trace shale fragments	~104.3	2				71	SS3	
		hard below 2.3 m						58	SS4	
				3				100	SS5	
			~101.3	4				42	SS6	
		SHALE BEDROCK: refer to attached rock core log	~100.9	5				83	SS7	
				6						
				7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Continued Next Page

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	4.43	

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Log of Borehole MW-333

Project No. GTR-23006349-E1 Drawing No. 50

Project: Phase Two ESA Sheet No. 2 of 2

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			95.76	10	20 40 60	25 50 75				
				11						
				12						
				13						
			~92.6							
		Borehole terminated at 13.13 m depth below grade.								
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. This borehole was drilled telescopically from the first 7.62 metres and then sealed off with grout. 3. Interpretation assistance by EXP is required before use by others.		14						
				15						
				16						
				17						
				18						
				19						
				20						
				21						
				22						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	4.43	

Log of Borehole MW-334

Project No. GTR-23006349-E1 | Drawing No. 51

Project: Phase Two ESA | Sheet No. 1 of 2

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 16, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		CONCRETE: (~125 mm thick)	104.21	0						
		SAND: trace silt, brown, very moist, loose, occasional silt seams	~104.1					63	SS1	
		SILTY CLAY TILL: trace sand, grey, moist, very stiff, trace shale fragments	~103.1	1				54	SS2	
		hard below 2.3 m		2				42	SS3	
								33	SS4	
		SHALE BEDROCK: refer to attached rock core log	~101.0	3				100	SS5	
▼			~96.8	4						
				5						
				6						
				7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Continued Next Page

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	7.41	

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Log of Borehole MW-334

Project No. GTR-23006349-E1 Drawing No. 51

Project: Phase Two ESA Sheet No. 2 of 2

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			94.21	10						
				11						
				12						
				13						
			~91.1	14						
		Borehole terminated at 13.13 m depth below grade.		15						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. This borehole was drilled telescopically from the first 7.62 metres and then sealed off with grout. 3. Interpretation assistance by EXP is required before use by others.		16						
				17						
				18						
				19						
				20						
				21						
				22						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	7.41	

Log of Borehole MW-335

Project No. GTR-23006349-E1 | Drawing No. 52

Project: Phase Two ESA | Sheet No. 1 of 2

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 17, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		CONCRETE: (~330 mm thick)	104.21	0						
		SAND: sand, brown, wet	~103.9					42	SS1	
				1				54	SS2	
				2				46	SS3	
		WEATHERED SHALE:	~101.7					42	SS4	
		SHALE BEDROCK	~101.7	3				0	SS5	
			~98.5	4						
				5						
				6						
				7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Continued Next Page

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	5.71	

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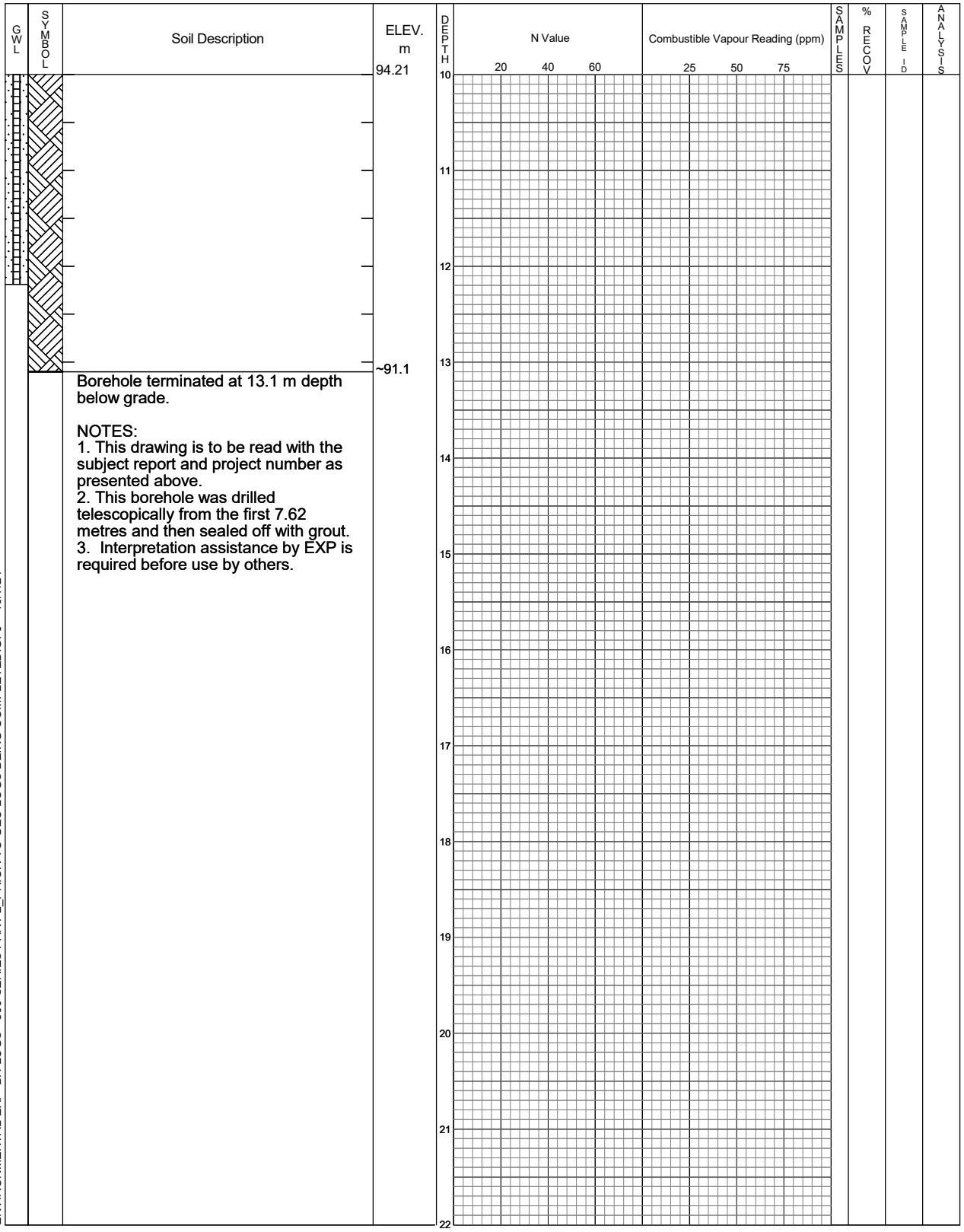
Log of Borehole MW-335

Project No. GTR-23006349-E1 Drawing No. 52

Project: Phase Two ESA Sheet No. 2 of 2



ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	5.71	

Log of Borehole MW-336

Project No. GTR-23006349-E1 | Drawing No. 53

Project: Phase Two ESA | Sheet No. 1 of 2

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 30, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		Direct auger to 12.8 m depth below grade.	102.24	0						
				1						
				2						
				3						
				4						
				5						
				6						
▽			~95.5	7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2 PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Continued Next Page

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	6.70	

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Log of Borehole MW-336

Project No. GTR-23006349-E1 Drawing No. 53

Project: Phase Two ESA Sheet No. 2 of 2

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			92.24	10	20 40 60	25 50 75				
				11						
				12						
				13						
			~89.1							
		Borehole terminated at 13.1 m depth below grade.								
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. This borehole was drilled telescopically from the first 7.62 metres and then sealed off with grout. 3. Interpretation assistance by EXP is required before use by others.		14						
				15						
				16						
				17						
				18						
				19						
				20						
				21						
				22						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	6.70	

Log of Borehole MW-337

Project No. GTR-23006349-E1 | Drawing No. 54

Project: Phase Two ESA | Sheet No. 1 of 2

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 23, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		TOPSOIL: (~230 mm thick)	103.98	0						
		FILL: silty clay, trace gravel, trace sand, trace rootlets reddish brown, moist	~103.8					79	SS1	
				1		7 (H) 90 (I)		50	SS2	PHC/BTEX
				2		1 (H) 55 (I)		100	SS3	PHC/BTEX
		SHALE BEDROCK: refer to attached rock core log	~101.1	3						
				4						
				5						
				6						
			~96.5	7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Continued Next Page

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	7.50	

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Facsimile: 905-793-0641

Log of Borehole MW-337

Project No. GTR-23006349-E1 Drawing No. 54

Project: Phase Two ESA Sheet No. 2 of 2

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			93.98	10	20 40 60	25 50 75				
				11						
				12						
				13						
			~90.9	14						
		Borehole terminated at 13.11 m depth below grade.		15						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. This borehole was drilled telescopically from the first 7.62 metres and then sealed off with grout. 3. Interpretation assistance by EXP is required before use by others.		16						
				17						
				18						
				19						
				20						
				21						
				22						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Facsimile: 905-793-0641

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	7.50	

Log of Borehole MW-338

Project No. GTR-23006349-E1 | Drawing No. 55

Project: Phase Two ESA | Sheet No. 1 of 2

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 22, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		TOPSOIL: (~205 mm thick)	103.98	0						
		FILL: silty clay, trace gravel, trace sand, trace rootlets reddish brown, moist	~103.8					96	SS1	
				1				79	SS2	
		SILTY CLAY TILL: trace sand, grey, moist, very stiff, trace shale fragments	~102.5	2				71	SS3	
								100	SS4	
		SHALE BEDROCK: refer to attached rock core log	~100.6	3				100	SS5	
				4						
				5						
				6						
			~97.0	7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Continued Next Page

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	6.99	

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Facsimile: 905-793-0641

Log of Borehole MW-338

Project No. GTR-23006349-E1 Drawing No. 55

Project: Phase Two ESA Sheet No. 2 of 2

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			93.98	10	20 40 60	25 50 75				
				11						
				12						
				13						
			~90.8	14						
		Borehole terminated at 13.23 m depth below grade.		15						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. This borehole was drilled telescopically from the first 7.62 metres and then sealed off with grout. 3. Interpretation assistance by EXP is required before use by others.		16						
				17						
				18						
				19						
				20						
				21						
				22						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Telephone: 905-793-9800
Facsimile: 905-793-0641

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	6.99	

Log of Borehole MW-339

Project No. GTR-23006349-E1 | Drawing No. 56

Project: Phase Two ESA | Sheet No. 1 of 2

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 22, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		CONCRETE: (~165 mm thick)	105.72	0						
		SAND: trace silt, brown, very moist, compact, occasional silt seams	~105.6					71	SS1	
				1				75	SS2	
		SILTY CLAY TILL: trace sand, grey, moist, hard, trace shale fragments	~104.3	2				54	SS3	
								96	SS4	
		SHALE BEDROCK: refer to attached rock core log	~102.4	3				95	SS5	
▽			~99.5	6						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Continued Next Page

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	6.20	

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Log of Borehole MW-339

Project No. GTR-23006349-E1 Drawing No. 56

Project: Phase Two ESA Sheet No. 2 of 2

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			95.72	10	20 40 60	25 50 75				
				11						
				12						
				13						
			~92.6	14						
		Borehole terminated at 13.13 m depth below grade.		15						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. This borehole was drilled telescopically from the first 7.62 metres and then sealed off with grout. 3. Interpretation assistance by EXP is required before use by others.		16						
				17						
				18						
				19						
				20						
				21						
				22						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	6.20	

Log of Borehole MW-340

Project No. GTR-23006349-E1 Drawing No. 57

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 12, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			105.98							
		ASPHALT: (~50 mm thick)	~105.9	0						
		FILL: sand and gravel fill						72	SS1	
		SILTY CLAY:reddish brown, trace gravel	~105.5							
		SHALE: red shale	~105.1	1				72	SS2	OCPs
		Direct auger to 7.01 m depth below grade.	~105.1							
			~102.5	3						
				7						
		Borehole terminated at 7.01 m depth below grade.	~99.0							

NOTES:
1. This drawing is to be read with the subject report and project number as presented above.
2. Interpretation assistance by EXP is required before use by others.

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open
September 10, 2024	3.51	

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Facsimile: 905-793-0641

Log of Borehole BH-403

Project No. GTR-23006349-E1 | Drawing No. 58

Project: Phase Two ESA | Sheet No. 1 of 2

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: August 1, 2024

Drill Type: Geoprobe 3230DT

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		FILL: silty clay, trace gravel, trace sand, trace rootlets reddish brown to grey, moist	104.62	0				71	SS1	
				1				75	SS2	OCPs
		SILTY CLAY TILL: trace gravel, trace sand, brown to grey, moist, hard	~103.1	2				54	SS3	
								96	SS4	
		SHALE BEDROCK: refer to attached rock core log	~101.4	3				95	SS5	
				4						
				5						
				6						
				7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Continued Next Page

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

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Log of Borehole BH-403

Project No. GTR-23006349-E1 Drawing No. 58

Project: Phase Two ESA Sheet No. 2 of 2

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value	Combustible Vapour Reading (ppm)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
			94.62	10	20 40 60	25 50 75				
				11						
				12						
				13						
				14						
				15						
			~89.3	16						
		Borehole terminated at 15.34 m depth below grade.		17						
		NOTES: 1. This drawing is to be read with the subject report and project number as presented above. 2. Interpretation assistance by EXP is required before use by others.		18						
				19						
				20						
				21						
				22						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Facsimile: 905-793-0641

Time	Water Level (m)	Depth to Cave (m)
on completion	no free water	open

Log of Borehole TP201

Project No. GTR-23006349-E1 Drawing No. 59

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 3, 2024

Drill Type: Excavator

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value 20 40 60	Combustible Vapour Reading (ppm) 25 50 75	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		FILL: silty sand fill, trace rootlets, dark brown, moist	104.79	0						
				1						
			~102.8	2					TP201	PHC/BTEX VOC PAH MET
				3						
				4						
				5						
				6						
				7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)

exp Services Inc.
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Log of Borehole TP202

Project No. GTR-23006349-E1 Drawing No. 60

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 3, 2024

Drill Type: Excavator

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		FILL: silty sand fill, trace rootlets, dark brown, moist	105.01	0						
				1						
			~103.5	2					TP202	PHC/BTEX* PAH MET
				3						
				4						
				5						
				6						
				7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)

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Log of Borehole TP203

Project No. GTR-23006349-E1 Drawing No. 61

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 3, 2024

Drill Type: Excavator

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		FILL: silty sand fill, brown, moist	105.26	0						
				1						
			~103.8						TP202	PHC/BTEX VOC PAH MET
				2						
				3						
				4						
				5						
				6						
				7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

Time	Water Level (m)	Depth to Cave (m)

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Facsimile: 905-793-0641

Log of Borehole TP204

Project No. GTR-23006349-E1 Drawing No. 62

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 3, 2024

Drill Type: Excavator

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value (20, 40, 60)	Combustible Vapour Reading (ppm) (25, 50, 75)	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		FILL: silty sand fill, trace gravel and rootlets, dark brown, moist	105.72	0					SS1	PHC/BTEX PAH MET
				1						
			~103.7	2					SS2	PAH MET
				3						
				4						
				5						
				6						
				7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Facsimile: 905-793-0641

Time	Water Level (m)	Depth to Cave (m)

Log of Borehole TP205

Project No. GTR-23006349-E1 Drawing No. 63

Project: Phase Two ESA Sheet No. 1 of 1

Location: 420 & 468 South Service Road, Oakville, ON

Refer to Borehole Location Plan.

Date Drilled: July 3, 2024

Drill Type: Excavator

Datum: Geodetic

Chemical Analysis

BTEX	Benzene, Toluene, Ethylbenzene and Xylenes	*	Duplicate Sample
ING	Metals and Inorganics	PCB	Polychlorinated Biphenyls
MET	Metals	PHC	Petroleum Hydrocarbons (F1-F4)
PAH	Polycyclic Aromatic Hydrocarbons	VOC	Volatile Organic Compounds
PEST	Organochlorine Pesticides		

GWL	SYMBOL	Soil Description	ELEV. m	DEPTH	N Value 20 40 60	Combustible Vapour Reading (ppm) 25 50 75	SAMPLES	% RECOV	SAMPLE ID	ANALYSIS
		FILL: silty sand fill, trace organics and rootlets, brown, moist	105.75	0					SS1	PHC/BTEX VOC PAH MET
				1						
			~103.7	2					SS2	PAH MET
				3						
				4						
				5						
				6						
				7						
				8						
				9						
				10						

ENVIRONMENTAL-EXP BH LOGS - 300 SERIES PART 2_PRIOR TO GEO LOGS BEING COMPLETED.GPJ 10/7/24

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Facsimile: 905-793-0641

Time	Water Level (m)	Depth to Cave (m)

Appendix C2 – Rock Coring Logs

ROCK CORE LOG

BH NO. 332D

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	105.7	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/19/24	07/19/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	1 of 2

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
101.1			Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<240 mm in interbedded thickness)	19	B	F	C	RP	NC	<1 mm								
	5		Run 1: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<30 mm in interbedded thickness) Broken rock: 4.57 to 4.88 m Point Load: 4.93 m (12.7 MPa) 5.50 m (7.3 MPa) 5.64 m (183.3 MPa)											1	74	15		Grey
	6																	
99.6			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<100 mm in interbedded thickness)	16	B	F	C	RP	NC	<1 mm								
	7		Run 2: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<10 mm in interbedded thickness) Broken rock: 6.45 to 6.50 m 6.66 to 6.71 m Highly weathered zone: 7.24 to 7.37 m Point Load: 6.17 m (108.0 MPa) 6.85 m (10.1 MPa)											2	80	17		Grey
98.1			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<20 mm in interbedded thickness)	7	B	F	C	RP	NC	<1 mm								
	8		Run 3: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<10 mm in interbedded thickness) Highly weathered zone: 7.91 to 8.06 m Broken rock: 7.67 to 7.84 m 8.33 to 8.34 m 8.87 to 8.91 m 6.66 to 6.71 m											3	86	57		Grey
	9		Point Load:															

ROCK CORE LOG

BH NO. 332D

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	105.7	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/19/24	07/19/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	2 of 2

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
96.6			8.08 m (22.1 MPa) 8.90 m (86.7 MPa) 8.51 m (65.6 MPa) Slightly weathered (W1), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<100 mm in interbedded thickness)	9	B	F	C	RP	NC	<1 mm								
	10		Run 4: Shale (100%) Presence of clay infill along natural fractures; minor presence of calcite nodules (<1 mm in diameter) Broken rock: 9.53 to 9.60 m Point Load: 9.21 m (32.6 MPa) 9.88 m (31.2 MPa) 10.29 m (6.8 MPa))											4	94	87		Grey
95.0			Slightly weathered (W1), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE with interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<170 mm in interbedded thickness) and interbedded slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE (<190 mm in interbedded thickness)	15	B	F	C	RP	NC	<1 mm								
	11		Run 5: Shale (80%) / Siltstone 20%) Presence of clay infill along natural fractures; increase in siltstone lithology at 10.82 m Point Load: 10.83 m (87.0 MPa) 11.43 m (15.4 MPa) 11.76 m (22.1 MPa)											5	100	72		Grey
93.4	12		Slightly weathered (W1), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE Run 6: Shale (40%) / Siltstone 60%) Minor presence of maroon shale interbeds (<10 mm in interbedded thickness) Point Load: 12.90 m (12.3 MPa)	3	B	F	M	RP	T					6	98	94		Grey
92.4	13		End of Borehole at 13.3 m															

ROCK CORE LOG

BH NO. 333

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	105.8	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/18/24	07/18/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	1 of 2

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
100.9																		
	5		Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<55 mm in interbedded thickness) Run 1: Shale (100%) Presence of clay infill along natural fractures Clay seam: 4.90 to 5.13 m 5.19 to 5.37 m 5.65 to 5.78 m Highly weathered zone: 5.79 to 6.10 m Point Load: 5.13 m (3.4 MPa) 5.31 m (4.7 MPa) 6.19 m (11.1 MPa)	19	B	F	C	RP	NC	<1 mm				1	84	21		Grey
99.3																		
	7		Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<55 mm in interbedded thickness) Run 2: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<6 mm in interbedded thickness) Highly weathered zone: 6.50 to 6.63 m Point Load: 6.78 m (8.1 MPa) 6.97 m (7.2 MPa) 7.20 m (7.6 MPa) 7.47 m (5.2 MPa)	12	B	F	C	RP	NC	<20 mm				2	94	38		Grey
98.0																		
	8		Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<130 mm in interbedded thickness) Run 3: Shale (100%) Presence of clay infill along natural fractures; minor presence of light grey siltstone interbeds (<130 mm in interbedded thickness) Highly weathered zone: 8.17 to 8.19 m 8.33 to 8.36 m 8.47 to 8.61 m	5	B	F	C	RP	NC	<1 mm				3	71	27		Grey
96.6	9		Broken rock: 7.77 to 7.92 m															
			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded	10	B	F	C	RP	NC	<1 mm								

CORE LOG SOUTH SERVICE ROCK LOG.GPJ CORE_LOG.GDT 10/2/24

ROCK CORE LOG

BH NO. 333

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	105.8	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/18/24	07/18/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	2 of 2

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<130 mm in interbedded thickness) Run 4: Shale (100%) Presence of clay infill along natural fractures; minor presence of light grey siltstone interbeds (<130 mm in interbedded thickness) Highly weathered zone: 9.16 to 9.22 m 9.61 to 9.70 m 9.84 to 9.89 m 10.20 to 10.31 m Point Load: 9.22 m (19.9 MPa) 10.48 m (14.1 MPa)											4	100	45		Grey
95.1	10		Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<90 mm in interbedded thickness) Run 5: Shale (100%) Presence of clay infill along natural fractures Highly weathered zone: 11.30 to 11.32 m 11.51 to 11.84 m Point Load: 11.00 m (25.9 MPa) 11.15 m (11.0 MPa)	9	B	F	C	RP	NC	<1 mm				5	95	38		Grey
93.8	11		Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE (<830 mm in interbedded thickness) Run 6: Shale (30%) / Siltsone (70%) Presence of clay infill along natural fractures; increase in siltstone lithology at 11.94 m; minor presence of maroon shale interbeds (<10 mm in interbedded thickness) Clay seam: 12.34 to 12.36 m Point Load: 12.78 m (80.8 MPa) 12.97 m (12.1 MPa)	5	B	F	C	RP	NC	<1 mm				6	96	92		Grey
92.6	12		End of Borehole at 13.1 m															
	13																	

ROCK CORE LOG

BH NO. 334

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.2	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/16/24	07/16/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	1 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
101.0			Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<25 mm in interbedded thickness) Run 1: Shale (100%) Presence of clay infill along natural fractures	4	B	F	C	RP	NC	<1 mm								
	4		Highly weathered zone: 3.33 to 3.40 m 3.51 to 3.58 m 4.27 to 4.32 m											1	34	0		Grey
99.5			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<55 mm in interbedded thickness) Run 2: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<20 mm in interbedded thickness)	10	B	F	C	RP	NC	<1 mm								
	5		Highly weathered zone: 4.75 to 5.07 m 5.53 to 5.55 m 5.64 to 5.70 m 5.97 to 5.99 m 6.12 to 6.17 m											2	100	30		Grey
	6		Point Load: 4.57 m (13.6 MPa) 5.64 m (12.1 MPa) 5.97 m (29.9 MPa)															
97.9			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<90 mm in interbedded thickness) Run 3: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<20 mm in interbedded thickness)	10	B	F	C	RP	NC	<1 mm								
	7		Highly weathered zone: 6.48 to 6.50 m 7.18 to 7.29 m 7.39 to 7.42 m 7.72 to 7.75 m Point Load: 6.59 m (36.2 MPa) 6.92 m (15.6 MPa)											3	100	64		Grey

ROCK CORE LOG

BH NO. 334

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.2	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/16/24	07/16/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	2 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			7.59 m (15.7 MPa)															
96.4			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<85 mm in interbedded thickness)	12	B	F	C	RP	NC	<1 mm								
	8		Run 4: Shale (100%) Presence of clay infill along natural fractures; minor presence of grey siltstone interbeds (<140 mm in interbedded thickness) Broken rock and highly weathered zone: 8.48 to 8.65 m Point Load: 8.08 m (24.3 MPa) 8.56 m (15.4 MPa)											4	90	59		Grey
	9																	
95.1			Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE with interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<170 mm in interbedded thickness) and interbedded slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE (<300 mm in interbedded thickness)	14	B	F	C	RP	NC	<1 mm								
	10		Run 5: Shale (65%) / Siltstone (35%) Presence of clay infill along natural fractures; increase in siltstone lithology at 10.13 m; minor presence of calcite seams (<2 mm in thickness) Broken rock and highly weathered zone: 9.35 to 9.40 m 9.54 to 9.69 m 10.11 to 10.14 m Point Load: 10.13 m (18.5 MPa) 9.70 m (131.4 MPa)											5	100	42		Grey
93.5			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE with interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<15 mm in interbedded thickness) and interbedded slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE (<470 mm in interbedded thickness)	10	B	F	C	RP	NC	<1 mm								
	11		Run 6: Shale (70%) / Siltstone (30%) Presence of clay infill along natural fractures; increase in siltstone lithology at 10.13 m; minor presence of maroon shale interbeds (<20 mm in interbedded thickness) Highly weathered zone: 10.68 to 10.71 m 11.56 to 11.86 m 12.01 to 12.10 m											6	94	51		Grey
	12																	

ROCK CORE LOG

BH NO. 334

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.2	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/16/24	07/16/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	3 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
91.9			Point Load: 11.40 m (9.0 MPa) 11.85 m (10.9 MPa) 12.08 m (124.2 MPa) Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<40 mm in interbedded thickness)	4	B	F	C	RP	NC	<1 mm								
	13		Run 7: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<10 mm in interbedded thickness)											7	96	32		Grey
91.1			Broken rock : 12.34 to 12.41 m Highly weathered zone: 12.51 to 12.59 m 12.95 to 13.00 m Point Load: 12.46 m (9.9 MPa) 12.97 m (6.9 MPa) 12.76 m (11.8 MPa)															
	14		End of Borehole at 13.1 m															
	15																	
	16																	

ROCK CORE LOG

BH NO. 337

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.0	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/23/24	07/26/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	1 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
101.1			Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE	3	B	F	C	RP	NC	<1 mm								
	3		Run 1: Shale (100%) Presence of clay infill along natural fractures Broken rock: 2.90 to 3.00 m 3.15 to 3.33 m											1	60	0		Grey
100.4			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE	14	B	F	C	RP	NC	<1 mm								
	4		Run 2: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<30 mm interbedded thickness) Highly weathered zone: 3.61 to 3.84 m 4.04 to 4.09 m Broken rock: 4.64 to 4.66 m 4.74 to 4.76 m Point Load: 3.91 m (4.7 MPa) 4.45 m(10.1 MPa) 4.88 m (16.4 MPa)											2	100	40		Grey
99.2			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<65 mm in interbedded thickness)	9	B	F	C	RP	NC	<1 mm								
	5		Run 3: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<20 mm in interbedded thickness) Broken rock: 5.09 to 5.19 mm 5.99 to 6.02 m											3	100	48		Grey
	6		Broken rock and highly weathered zone: 5.72 to 5.83 m Point Load: 5.84 m (7.8 MPa) 5.97 m (10.1 MPa)															
97.7			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<100 mm in interbedded thickness)	6	B	F	C	RP	NC	<1 mm								
	7		Run 4: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<20 mm in interbedded thickness) Clay seam:											4	98	55		Grey

CORE LOG SOUTH SERVICE ROCK LOG.GPJ CORE_LOG.GDT 10/2/24

ROCK CORE LOG

BH NO. 337

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.0	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/23/24	07/26/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	2 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			6.35 to 6.45 m Highly weathered zone: 6.60 to 6.68 m 7.63 to 7.65 m Point Load:															
96.2			6.90 m (16.4 MPa) 7.33 m (38.8 MPa)	7	B	F	C	RP	NC	<1 mm								
	8		Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<350 mm in interbedded thickness) Run 5: Shale (100%) Presence of clay infill along natural fractures	1	B	V	W	RP	T				5	85	44		Grey
			Broken rock and highly weathered zone: 7.77 to 7.95 m Broken rock: 8.53 to 8.62 m	1	B	D	W	RP	T									
	9		Point Load: 8.09 m (9.0 MPa) 8.32 m (41.2 MPa)															
94.8			Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE with interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<175 mm in interbedded thickness) and interbedded slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE (<370 mm in interbedded thickness)	9	B	F	C	RP	NC	<1 mm								
	10		Run 6: Shale (80%) / Siltstone (20%) Presence of clay infill along natural fractures; increase in siltstone lithology at 10.02 m Broken rock: 9.78 to 9.80 m Point Load: 9.30 m (32.6 MPa) 9.66 m (13.2 MPa)	1	B	D	W	RP	T				6	94	68		Grey
93.1			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<150 mm in interbedded thickness)	3	B	F	M	RP	NC	<1 mm								
	11		Run 7: Shale (100%) Presence of clay infill and iron staining along natural fractures Highly weathered zone: 11.20 to 11.25 m 11.30 yo 11.33 m	1	B	V	W	RP	T				7	100	87		Grey

ROCK CORE LOG

BH NO. 337

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.0	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/23/24	07/26/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	3 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	12		11.54 to 11.57 m Point Load: 11.09 m (7.6 MPa) 11.84 m (11.9 MPa) 12.29 m (7.8 MPa)															
91.7			Slighlty weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<20 mm in interbedded thickness) Run 8: Shale (100%) Presence iron staining along natural fractures; minor presence of maroon shale interbeds (<10 mm in interbedded thickness)	1	B	F	M	RP	T					8	100	95		Grey
	13																	
90.9			Weathered zone with clay: 12.32 to 12.36 m Point Load: 12.50 m (24.2 MPa) 12.93 m (2.6 MPa) End of Borehole at 13.1 m															
	14																	
	15																	
	16																	

CORE LOG SOUTH SERVICE ROCK LOG.GPJ CORE_LOG.GDT 10/2/24

ROCK CORE LOG

BH NO. 338

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.0	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/22/24	07/01/80	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	1 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
100.6			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<70 mm in interbedded thickness) Run 1: Shale (100%)	10	B	F	C	RP	NC	<1 mm								
	4		Presence of clay infill along natural fractures Broken rock: 3.37 to 3.61 m 3.96 to 4.10 m Highly weathered zone: 3.61 to 3.68 m Point Load: 3.73 m (13.1 MPa) 4.24 m (21.8 MPa) 4.67 m (25.0 MPa)											1	86	45		Grey
99.0	5		Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE Run 2: Shale (100%)	11	B	F	C	RP	NC	<1 mm								
			Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<25 mm in interbedded thickness) Broken rock: 5.33 to 5.36 m Highly weathered zone: 4.93 to 4.97 m 5.51 to 5.54 m											2	98	49		Grey
	6		Point Load: 5.50 m (27.8 MPa) 5.93 m (11.9 MPa)															
97.6			Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<70 mm in interbedded thickness) Run 3: Shale (100%)	9	B	F	C	RP	NC	<1 mm								
	7		Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<20 mm in interbedded thickness) Broken rock: 6.64 to 6.66 m Highly weathered zone: 7.33 to 7.38 m Point Load: 6.68 m (44.4 MPa) 7.18 m (59.3 MPa) 7.48 m (27.2 MPa)											3	100	53		Grey
96.2																		

CORE LOG SOUTH SERVICE ROCK LOG.GPJ CORE_LOG.GDT 10/2/24

ROCK CORE LOG

BH NO. 338

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.0	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/22/24	07/01/80	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	2 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	8		Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<110 mm in interbedded thickness) Run 4: Shale (100%) Presence of clay and silt infill along natural fractures; minor presence of calcite seams (<2 mm in thickness) Highly weathered zone: 7.80 to 7.90 m Clay seam: 8.28 to 8.30 m	8	B	F	C	RP	NC	<1 mm				4	100	63		Grey
	9		Broken rock: 8.66 to 8.73 m															
94.8			Point Load: 8.46 m (14.2 MPa) 8.78 m (12.0 MPa) Slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey GEOGIAN BAY LIMESTONE with interbedded slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey SHALE (<70 mm in interbedded thickness) and interbedded slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE (<370 mm in interbedded thickness)	6 1 1	B B B	F D V	C W W	RP RP RP	NC NC T	<1 mm <1 mm				5	99	69		Grey
	10		Run 5: Shale (10%) / Limestone (70%) / Siltstone (20%) Presence of clay infill along natural fractures; minor presence of calcite seams (<4 mm in thickness); increase in siltstone lithology at 10.41 m Broken rock: 9.36 to 9.41 m															
93.2			Point Load: 9.96 m (37.7 MPa) Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<165 mm in interbedded thickness) and interbedded slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE (<430 mm in interbedded thickness)	4	B	F	M	RP	NC	<1 mm				6	100	38		Grey
	11		Run 6: Shale (75%) / Siltstone (25%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<10 mm in interbedded thickness)															
	12		Highly weathered zone: 11.25 to 11.30 m 11.84 to 11.88m Point Load:															

ROCK CORE LOG

BH NO. 338

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.0	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/22/24	07/01/80	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	3 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
91.6			11.62 m (7.3 MPa) 11.79 m (13.3 MPa) Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<25 mm in interbedded thickness)	6	B	F	C	RP	NC	<1 mm				7	96	65		Grey
	13		Run 7: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<10 mm in interbedded thickness)															
90.8			Highly weathered zone: 12.62 to 12.64 m Point Load: 12.47 m (12.4 MPa) 12.75 m (38.9 MPa) 12.90 m (32.0 MPa) End of Borehole at 13.2 m															
	14																	
	15																	
	16																	

ROCK CORE LOG

BH NO. 339

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	105.7	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/22/24	07/25/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	1 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
102.4			Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<10 mm in interbedded thickness) Run 1: Shale (100%)	1	B	F	W	RP	NC	<1 mm								
	4		Presence of clay infill along natural fractures Broken rock and highly weathered zone: 3.33 to 3.91 m 4.41 to 4.47 m Broken rock: 4.15 to 4.24 m 4.49 to 4.60 m											1	92	8		Grey
101.1			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<70 mm in interbedded thickness) Run 2: Shale (100%)	13	B	F	C	RP	NC	<1 mm								
	5		Presence of clay infill along natural fractures Highly weathered zone: 4.72 to 4.78 m 5.42 to 5.45 m Broken rock: 6.02 to 6.05 m Point Load: 5.11 m (7.2 MPa) 5.21 m (7.5 MPa) 5.66 m (126.8 MPa)											2	86	33		Grey
99.4			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<60 mm in interbedded thickness) Run 3: Shale (100%)	8	B	F	C	RP	NC	<1 mm								
	7		Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<15 mm in interbedded thickness) Highly weathered zone: 6.63 to 6.69 m Broken rock: 6.86 to 6.91 m 7.35 to 7.37 m 7.59 to 7.62 m											3	100	65		Grey
98.1			Point Load: 6.68 m (140.9 MPa)	17	B	F	C	RP	NC	<1 mm								

ROCK CORE LOG

BH NO. 339

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	105.7	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/22/24	07/25/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	2 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			6.97 m (16.9 MPa) 7.25 m (26.1 MPa)															
	8		Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<60 mm in interbedded thickness) Run 4: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<20 mm in interbedded thickness) Highly weathered zone: 7.67 to 7.82 m 8.81 to 8.86 m											4	98	49		Grey
	9		Point Load: 7.99 m (13.0 MPa) 8.43 m (25.2 MPa) 8.69 m (33.9 MPa)															
96.6			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<250 mm in interbedded thickness)	6	B	F	C	RP	NC	<1 mm								
	10		Run 5: Shale (100%) Presence of clay infill along natural fractures; minor presence of grey siltstone interbeds (<150 mm in interbedded thickness); minor presence of calcite seams (<3 mm in thickness) Broken rock: 9.09 to 9.13 m Highly weathered zone: 9.90 to 9.92 m 10.08 to 10.11 m											5	100	84		Grey
			Point Load: 9.63 m (63.7 MPa) 10.82 m (10.1 MPa)															
95.0			Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<200 mm in interbedded thickness) and interbedded slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE (<500 mm in interbedded thickness)	11	B	F	C	RP	NC	<1 mm								
	11		Run 6: Shale (70%) / Siltstone (30%) Presence of clay infill along natural fractures; minor presence of calcite seams (<3 mm in thickness); increase in siltstone lithology at 11.84 m											6	98	72		Grey
	12		Highly weathered zone: 10.69 to 10.83 m Point Load: 11.06 m (16.3 MPa) 11.23 m (50.8 MPa)															

ROCK CORE LOG

BH NO. 339

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	105.7	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/22/24	07/25/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	3 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
93.4			Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE (<270 mm in interbedded thickness)	3	B	F	C	RP	NC	<1 mm								
			Run 7: Shale (65%) / Siltstone (35%)											7	100	82		Grey
	13		Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<10 mm in thickness)															
92.6			Point Load: 12.85 m (14.7 MPa) 12.56 m (32.0 MPa) End of Borehole at 13.1 m															
	14																	
	15																	
	16																	

CORE LOG SOUTH SERVICE ROCK LOG.GPJ CORE_LOG.GDT 10/2/24

ROCK CORE LOG

BH NO. 401

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	105.7	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/25/24	07/25/24	DP/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	1 of 2

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
103.0			Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE	1	B	F	W	RP	NC	<1 mm								
	3													1	52	0		Grey
102.5			Run 1: Shale (20%) / Limestone (80%)	5	B	F	C	RP	NC	<1 mm								
			Presence of iron staining within limestone lithology; presence of clay infill along natural fractures															
			Clay seam: 2.96 to 2.99 m															
			Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE															
	4			1	B	V	W	RP	T					2	40	0		Grey
			Run 2: Shale (5%) / Limestone (95%)															
			Presence of iron staining within limestone lithology; presence of clay infill along natural fractures															
			Broken rock: 3.20 to 3.56 m															
101.0			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<50 mm in interbedded thickness)	19	B	F	VC	RP	NC	<1 mm								
	5													3	99	87		Grey
			Run 3: Shale (100%)															
			Presence of iron staining within limestone interbed natural fractures; presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<10 mm in interbedded thickness)															
			Clay seam: 5.49 to 5.50 m															
			Highly weathered zone: 5.74 to 5.77 m															
99.8	6		5.82 to 5.84 m	6	B	F	C	RP	NC	<1 mm								
			Point Load: 5.11 m (18.9 MPa) 5.45 m (18.4 MPa)															
			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded unweathered (W1), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<50 mm in interbedded thickness)	1	B	V	W	RP	T					4	82	22		Grey
			Run 4: Shale (100%)															
			Presence of clay infill along natural fractures															
	7		Broken rock: 6.08 to 6.13 m 6.26 to 6.31 m															

ROCK CORE LOG

BH NO. 401

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	105.7	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/25/24	07/25/24	DP/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	2 of 2

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
98.3			Highly weathered zone: 6.74 to 6.79 m Point Load: 6.17 m (14.5 MPa) 6.53 m (14.0 MPa) 6.99 m (4.0 MPa) End of Borehole at 7.5 m															
	8																	
	9																	
	10																	
	11																	

CORE LOG SOUTH SERVICE ROCK LOG.GPJ CORE_LOG.GDT 10/2/24

ROCK CORE LOG

BH NO. 402

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	105.6	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/25/24	07/25/24	DP/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	1 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
102.9			Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<50 mm in interbedded thickness)															
	3		Run 1: Shale (100%)											1	56	0		Grey
102.3			Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<150 mm in interbedded thickness)	3	B	F	M	RP	T									
			Run 2: Shale (100%)															
	4		Broken rock and highly weathered zone: 3.28 to 3.58 m 3.71 to 3.80 m 3.87 to 3.92 m 3.99 to 4.01 m 4.19 to 4.37 m											2	77	17		Grey
			Point Load: 4.15 m (28.0 MPa)															
100.9			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<150 mm in interbedded thickness)	5	B	F	M	RP	T									
	5		Run 3: Shale (100%)															
			Broken rock and highly weathered zone: 4.72 to 4.89 m															
			Broken rock: 4.92 to 4.95 m 5.44 to 5.51 m 5.53 to 5.56 m											3	94	43		Grey
			Point Load: 5.12 m (10.9 MPa) 5.35 m (19.1 MPa)															
	6		5.85 m (10.1 MPa)															
99.3			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<90 mm in interbedded thickness)	6	B	F	C	RP	NC	<1 mm								
			Run 4: Shale (100%)															
	7		Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<20 mm in interbedded thickness)											4	94	44		Grey

ROCK CORE LOG

BH NO. 402

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	105.6	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/25/24	07/25/24	DP/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	2 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			Broken rock: 6.40 to 6.42 m 6.49 to 6.55 m 6.78 to 6.80 m 6.86 to 6.95 m 7.37 to 7.47 m 7.60 to 7.65 m															
97.9			Point Load: 6.60 m (13.0 MPa) 7.07 m (19.2 MPa) 7.45 m (19.3 MPa)	17	B	F	C	RP	NC	<1 mm								
	8		Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<115 mm in interbedded thickness) Run 5: Shale (100%) Presence of clay infill along natural fractures Broken rock: 7.65 to 7.72 m Point Load: 8.17 m (96.9 MPa) 8.59 m (56.8 MPa)	1	B	V	W	RP	T					5	88	44		Grey
	9																	
96.3			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<140 mm in interbedded thickness) Run 6: Shale (100%) Broken rock: 10.06 to 10.10 m Clay seam: 10.15 to 10.18 m Point Load: 9.44 m (21.1 MPa) 10.25 m (11.9 MPa) 10.34 m (33.9 MPa)	11	B	F	C	RP	T					6	73	44		Grey
	10																	
94.7	11		Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<180 mm in interbedded thickness) Run 7: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<10	7	B	F	C	RP	NC	<1 mm								

ROCK CORE LOG

BH NO. 402

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	105.6	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/25/24	07/25/24	DP/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	3 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			mm in interbedded thickness); minor presence of pinkish grey siltstone interbeds (<45 mm in interbedded thickness) Clay seam: 10.99 to 11.00 m Highly weathered zone: 11.02 to 11.06 m Point Load: 12.15 m (71.1 MPa) 12.33 m (10.2 MPa) 11.04 m (12.6 MPa)											7	96	72		Grey
93.1	12		Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<150 mm in interbedded thickness) Run 8: Shale (100%) Minor presence of maroon shale interbeds (<15 mm in interbedded thickness) Clay seam: 12.51 to 12.52 m Highly weathered zone: 12.88 to 12.90 m Point Load: 12.99 m (8.6 MPa) 13.35 m (15.5 MPa) 13.70 m (7.5 MPa)	14	B	F	C	RP	T					8	96	35		Grey
91.5	14		Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<115 mm in interbedded thickness) Run 9: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<150 mm in interbedded thickness) Clay seam: 14.64 to 14.65 m Point Load: 14.22 m (30.1 MPa) 15.05 m (27.3 MPa) 15.30 m (42.7 MPa)	17	B	F	C	RP	NC	<1 mm				9	97	36		Grey
90.0	15		End of Borehole at 15.6 m															
	16																	

CORE LOG SOUTH SERVICE ROCK LOG.GPJ CORE_LOG.GDT 10/2/24

ROCK CORE LOG

BH NO. 403

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.6	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	08/01/24	08/01/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	1 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
101.4			Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<50 mm in interbedded thickness)	3	B	F	C	RP	NC	<1 mm								
			Run 1: Shale (100%)											1	100	34		Grey
			Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<10 mm in interbedded thickness)															
	4		Broken rock and highly weathered zone: 3.20 to 3.84 m 3.94 to 3.98 m															
100.3			Point Load: 3.89 m (6.5 MPa) 4.14 m (8.6 MPa)	11	B	F	C	RP	NC	<1 mm								
			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<50 mm in interbedded thickness)															
	5		Run 2: Shale (100%)											2	97	56		Grey
			Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<10 mm in interbedded thickness)															
			Broken rock: 4.34 to 4.50 m 5.08 to 5.09 m															
			Point Load: 4.52 m (18.1 MPa) 4.93 m (14.7 MPa) 5.66 m (12.4 MPa)															
98.7			Highly weathered (W4) to moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<50 mm in interbedded thickness)	6	B	F	M	RP	NC	<1 mm								
	6		Run 3: Shale (100%)											3	97	63		Grey
			Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<30 mm in interbedded thickness)															
			Broken rock: 6.02 to 6.08 m 6.43 to 6.44															
	7		Clay seam: 6.44 to 6.45 m															
			Highly weathered zone: 6.83 to 6.87 m 7.01 to 7.11 m															
			Broken rock and highly weathered zone: 7.29 to 7.39 m															
97.0				5	B	F	M	RP	NC	<1								

ROCK CORE LOG

BH NO. 403

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.6	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	08/01/24	08/01/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	2 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			Point Load: 7.07 m (36.3 MPa) 7.37 m (67.2 MPa)							mm								
	8		Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<60 mm in interbedded thickness) Run 4: Shale (100%) Presence of clay infill along natural fractures Broken rock: 7.75 to 7.77 m Weathered zone: 8.23 to 8.27 m 8.31 to 8.32 m											4	94	77		Grey
	9		Point Load: 7.56 m (29.3 MPa) 7.80 m (22.3 MPa) 7.91 m (24.2 MPa)															
95.4				5	B	F	M	RP	NC	<1 mm								
	10		Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE with interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<140 mm in interbedded thickness) and interbedded slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE (<250 mm in interbedded thickness) Run 5: Shale (85%) / Siltsone (15%) Presence of clay infill along natural fractures; minor presence of calcite seams (<5 mm in thickness); increase in siltstone lithology at 10.24 m Point Load: 10.02 m (9.6 MPa) 10.19 m (29.4 MPa)											5	100	91		Grey
93.8				7	B	F	C	RP	NC	<1 mm								
	11		Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE with interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<130 mm in interbedded thickness) and interbedded slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE (<380 mm in interbedded thickness) Run 6: Shale (75%) / Siltstone (25%) Presence of clay infill along natural fractures; increase in pinkish grey siltstone lithology at 11.51 m; minor presence of maroon shale interbeds (<10 mm in interbedded thickness) Broken rock: 11.89 to 11.94 m											6	100	74		Grey
	12																	

CORE LOG SOUTH SERVICE ROCK LOG.GPJ CORE_LOG.GDT 10/2/24

ROCK CORE LOG

BH NO. 403

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.6	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	08/01/24	08/01/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	3 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			Point Load: 11.32 m (44.7 MPa) 12.09 m (38.7 MPa)															
92.3			Slightly weathered (W2) to unweathered/fresh (W1), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded unweathered/fresh (W1), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<50 mm in interbedded thickness)	2	B	F	M	RP	NC	<1 mm								
	13		Run 7: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<50 mm in interbedded thickness) Point Load: 12.73 m (24.2 MPa) 13.30 m (33.6 MPa)											7	100	99		Grey
90.8			Slightly weathered (W2) to unweathered/fresh (W1), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded unweathered/fresh (W1), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<115 mm in interbedded thickness)	6	B	F	C	RP	NC	<1 mm								
	14		Run 8: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<40 mm in interbedded thickness) Point Load: 14.01 m (44.6 MPa) 14.82 m (19.4 MPa) 15.07 m (17.5 MPa)											8	99	98		Grey
	15																	
89.3			End of Borehole at 15.3 m															
	16																	

ROCK CORE LOG

BH NO. 404

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.3	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/31/24	07/31/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	1 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
99.7			Highly weathered (W4), very weak (R1) to weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<60 mm in interbedded thickness)	9	B	F	C	RP	NC	<1 mm								
	5		Run 1: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<15 mm in interbedded thickness) Broken rock and highly weathered zone: 4.55 to 4.62 m 5.16 to 5.52 m 5.91 to 5.94 m Point Load: 5.26 m (8.0 MPa)											1	100	27		Grey
	6																	
98.1			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<70 mm in interbedded thickness)	5	B	F	M	RP	NC	<1 mm								
	7		Run 2: Shale (100%) Presence of clay infill along natural fractures Broken rock and weathered zone: 6.55 to 6.57 m 6.64 to 6.67 m 7.47 to 7.65 m Point Load: 6.32 m (17.5 MPa) 6.86 m (17.0 MPa)											2	95	39		Grey
96.5			Moderately weathered (W3), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<190 mm in interbedded thickness)	12	B	F	C	RP	NC	<1 mm								
	8		Run 3: Shale (100%) Presence of clay infill along natural fractures Point Load: 7.80 m (33.8 MPa)	1	B	D	W	RP	T					3	100	73		Grey
	9																	

CORE LOG SOUTH SERVICE ROCK LOG.GPJ CORE_LOG.GDT 10/2/24

ROCK CORE LOG

BH NO. 404

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.3	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/31/24	07/31/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	2 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
94.9			Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and slightly weathered (W2), medium strong (R3), medium bedded, medium grained; calcareous pinkish grey SILTSTONE with interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<165 mm in interbedded thickness)	4	B	F	C	RP	NC	<1 mm								
	10		Run 4: Shale (50%) / Siltsone (50%) Presence of clay infill along natural fractures; increase in siltstone lithology at 9.37 m; minor presence of maroon shale interbeds (<10 mm in interbedded thickness) Point Load: 10.64 m (10.7 MPa)											4	96	91		Grey
93.5			Moderately weathered (W3) to slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<60 mm in interbedded thickness)	15	B	F	C	RP	NC	<1 mm								
	11		Run 5: Shale (100%) Presence of clay infill along natural fractures Point Load: 11.51 m (15.0 MPa) 11.87 m (12.8 MPa)											5	88	31		Grey
	12																	
91.8			Moderately weathered (W3) to slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<110 mm in interbedded thickness)	7	B	F	C	RP	NC	<1 mm								
	13		Run 6: Shale (100%) Presence of clay infill along natural fractures Broken rock: 12.39 to 12.56 m Point Load: 12.47 m (18.5 MPa)											6	100	66		Grey

ROCK CORE LOG

BH NO. 404

PROJECT	ORIENTATION	ELEVATION (m)	DATUM	PROJECT NUMBER
Proposed Site Redevelopment	Vertical	104.3	Geodetic	HAM-23006348-A0
LOCATION	**DATE STARTED**	**COMPLETED**	**LOGGED BY**	**DRAWING NUMBER**
420 & 468 South Service Road East, Oakville, Ontario	07/31/24	07/31/24	CH/HR	
CLIENT	**DRILLER**	**DRILL TYPE**	**CORE BARREL**	**SHEET**
420 South Service Limited Partnership		Geoprobe 7822 DT	HQ	3 of 3

ELEVATION (m)	DEPTH (m)	SYMBOL	GENERAL DESCRIPTION	JOINT CHARACTERISTICS: NO. OF SETS	JOINT TYPE	ORIENTATION	SPACING	ROUGHNESS	FILLING	APERTURE (mm)	WEATHERING	STRENGTH	FRACTURE FREQUENCY	RUN NUMBER	RECOVERY (%)	RQD	WATER RECOVERY (%)	WATER COLOUR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			12.73 m (25.8 MPa)															
90.4	14		Slightly weathered (W2), weak (R2), thinly laminated, fissile, slightly calcareous, grey GEORGIAN BAY SHALE and interbedded slightly weathered (W2), medium strong (R3), thin to medium bedded, very fine grained, calcareous, fossiliferous, grey LIMESTONE (<200 mm in interbedded thickness) Run 7: Shale (100%) Presence of clay infill along natural fractures; minor presence of maroon shale interbeds (<30 mm in interbedded thickness) Point Load: 13.93 m (14.5 MPa) 14.38 m (11.7 MPa) 14.90 m (12.4 MPa)	9	B	F	C	RP	NC	<1 mm				7	99	90		Grey
88.9	15		End of Borehole at 15.4 m															
	16																	
	17																	
	18																	

CORE LOG SOUTH SERVICE ROCK LOG.GPJ CORE_LOG.GDT 10/2/24

Appendix D – Analytical Results

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH119A	BH133A	BH301	BH312	BH313	BH314	BH315	BH316	BH317	BH319		BH320	BH322	BH323	BH324	BH325	BH326	BH327	
Sample ID			BH119A SS6	BH133A SS1	MW301 SS1	BH312 SS2	BH313 SS4	BH314 SS3	BH315 SS5	BH316 SS5	BH317 SS4	BH319 SS3	BH3199 SS3	BH 320 SS4	BH322 SS2	BH323 SS5	BH324 SS4	BH325 SS4	BH326 SS4	BH327 SS4	BH327 SS44
Lab ID			6073682	6073875	6073877	5214324	5214326	5214327	5214328	5214329	5214330	5214331	5214332	5214333	5291888	5291889	5214334	5214335	5214336	5291891	5291892
Sampling Date			12-Aug-24	12-Aug-24	8-Aug-24	14-Aug-23	14-Aug-23	11-Aug-23	11-Aug-23	11-Aug-23	11-Aug-23	14-Aug-23	14-Aug-23	14-Aug-23	13-Sep-23	13-Sep-23	11-Aug-23	14-Aug-23	14-Aug-23	13-Sep-23	13-Sep-23
Soil Sample Depth (m)			3.81 - 4.57	0 - 0.76	0 - 0.76	0.76 - 1.37	2.29 - 2.90	1.52 - 2.13	3.05 - 3.66	3.05 - 3.66	2.29 - 2.90	1.52 - 2.13	Field Duplicate of BH319 SS3	2.29 - 2.90	0.76 - 1.37	3.05 - 3.66	2.29 - 2.90	2.29 - 2.90	2.29 - 2.90	2.29 - 2.90	Field Duplicate of BH217 SS4
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Certificate of Analysis Number			24H184765	24H184764	24H184764	23H057843	23H057843	23H057843	23H057843	23H057843	23H057843	23H057843	23H057843	23H057843	23H069762	23H069762	23H057843	23H057843	23H057843	23H069762	23H069762
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																					
Benzene	0.17	0.02	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Toluene	6	0.02	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	1.6	0.02	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
m-Xylene + p-Xylene	NV	0.02	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	NV	0.018	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	25	0.02	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Petroleum Hydrocarbons (PHCs)																					
PHC F1 (C6-C10)	65	5	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F1 (C6-C10) - BTEX	65	5	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (C10-C16)	150	7	**327**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (C16-C34)	1300	50	551	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (C34-C50)	5600	50	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reached baseline at C50?	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																					
Acetone	28	0.5	-	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	1.9	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	0.26	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromomethane	0.05	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	0.12	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	2.7	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	0.18	0.04	-	-	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Dibromochloromethane	2.9	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	1.7	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	6	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	0.097	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	25	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	0.6	0.02	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dichloroethane	0.05	0.03	-	-	-	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,1-Dichloroethylene	0.05	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethylene	2.5	0.02	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
trans-1,2-Dichloroethylene	0.75	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichloropropane	0.085	0.03	-	-	-	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
cis-1,3-Dichloropropene	0.081	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	0.081	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	-	-	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Hexane (n)	34	0.02	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene chloride (Dichloromethane)	0.96	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl ethyl ketone (2-Butanone)	44	0.5	-	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	4.3	0.5	-	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	2.2	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	0.05	0.04	-	-	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,1,2,2-Tetrachloroethane	0.05	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	2.3	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	3.4	0.04	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2-Trichloroethane	0.05	0.04	-	-	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Trichloroethylene	0.52	0.03	-	-	-	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trichlorofluoromethane	5.8	0.05	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	0.022	0.02	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,3-Dichloropropene	0.081	0.02	-	-	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH119A	BH133A	BH301	BH312	BH313	BH314	BH315	BH316	BH317	BH319		BH320	BH322	BH323	BH324	BH325	BH326	BH327	
Sample ID			BH119A SS6	BH133A SS1	MW301 SS1	BH312 SS2	BH313 SS4	BH314 SS3	BH315 SS5	BH316 SS5	BH317 SS4	BH319 SS3	BH3199 SS3	BH 320 SS4	BH322 SS2	BH323 SS5	BH324 SS4	BH325 SS4	BH326 SS4	BH327 SS4	BH327 SS44
Lab ID			6073682	6073875	6073877	5214324	5214326	5214327	5214328	5214329	5214330	5214331	5214332	5214333	5291888	5291889	5214334	5214335	5214336	5291891	5291892
Sampling Date			12-Aug-24	12-Aug-24	8-Aug-24	14-Aug-23	14-Aug-23	11-Aug-23	11-Aug-23	11-Aug-23	11-Aug-23	14-Aug-23	14-Aug-23	14-Aug-23	13-Sep-23	13-Sep-23	11-Aug-23	14-Aug-23	14-Aug-23	13-Sep-23	13-Sep-23
Soil Sample Depth (m)			3.81 - 4.57	0 - 0.76	0 - 0.76	0.76 - 1.37	2.29 - 2.90	1.52 - 2.13	3.05 - 3.66	3.05 - 3.66	2.29 - 2.90	1.52 - 2.13	Field Duplicate of BH319 SS3	2.29 - 2.90	0.76 - 1.37	3.05 - 3.66	2.29 - 2.90	2.29 - 2.90	2.29 - 2.90	2.29 - 2.90	Field Duplicate of BH217 SS4
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Certificate of Analysis Number			24H184765	24H184764	24H184764	23H057843	23H057843	23H057843	23H057843	23H057843	23H057843	23H057843	23H057843	23H057843	23H069762	23H069762	23H057843	23H057843	23H057843	23H069762	23H069762
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	29	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	0.17	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	0.74	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.63	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.3	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b/j)fluoranthene	0.78	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	7.8	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.78	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	7.8	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.1	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	0.69	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	69	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.48	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Methylnaphthalene	3.4	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	3.4	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	0.75	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	7.8	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	78	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1&2-Methylnaphthalene	3.4	0.0071	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides (OCPs)																					
Aldrin	0.05	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	<0.007	<0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	<0.007	<0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	<0.007	<0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	<0.007	<0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH119A	BH133A	BH301	BH312	BH313	BH314	BH315	BH316	BH317	BH319		BH320	BH322	BH323	BH324	BH325	BH326	BH327	
Sample ID			BH119A SS6	BH133A SS1	MW301 SS1	BH312 SS2	BH313 SS4	BH314 SS3	BH315 SS5	BH316 SS5	BH317 SS4	BH319 SS3	BH3199 SS3	BH 320 SS4	BH322 SS2	BH323 SS5	BH324 SS4	BH325 SS4	BH326 SS4	BH327 SS4	BH327 SS44
Lab ID			6073682	6073875	6073877	5214324	5214326	5214327	5214328	5214329	5214330	5214331	5214332	5214333	5291888	5291889	5214334	5214335	5214336	5291891	5291892
Sampling Date			12-Aug-24	12-Aug-24	8-Aug-24	14-Aug-23	14-Aug-23	11-Aug-23	11-Aug-23	11-Aug-23	11-Aug-23	14-Aug-23	14-Aug-23	14-Aug-23	13-Sep-23	13-Sep-23	11-Aug-23	14-Aug-23	14-Aug-23	13-Sep-23	13-Sep-23
Soil Sample Depth (m)			3.81 - 4.57	0 - 0.76	0 - 0.76	0.76 - 1.37	2.29 - 2.90	1.52 - 2.13	3.05 - 3.66	3.05 - 3.66	2.29 - 2.90	1.52 - 2.13	Field Duplicate of BH319 SS3	2.29 - 2.90	0.76 - 1.37	3.05 - 3.66	2.29 - 2.90	2.29 - 2.90	2.29 - 2.90	2.29 - 2.90	Field Duplicate of BH217 SS4
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Certificate of Analysis Number			24H184765	24H184764	24H184764	23H057843	23H057843	23H057843	23H057843	23H057843	23H057843	23H057843	23H057843	23H057843	23H069762	23H069762	23H057843	23H057843	23H057843	23H069762	23H069762
Polychlorinated Biphenyls (PCBs)																					
Total PCB	0.35	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Barium	390	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron (Total)	120	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	1.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (total)	160	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	22	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	180	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	120	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	6.9	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	130	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	25	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	23	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	86	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	340	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydride-Forming Metals																					
Antimony	7.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	18	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	2.4	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Regulated Parameters (ORPs)																					
Boron (hot water soluble)	1.5	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	10	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium Adsorption Ratio (unitless)	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

All soil concentrations reported in µg/g unless otherwise indicated.

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SCS

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID			BH328	BH330		BH331		BH337		BH340	BH403	TP201	TP202		TP203	TP204		TP205		BH101	
Sample ID			BH328 SS5	BH330 SS1	BH330 SS2	BH331 SS1	BH331 SS2	BH337 SS2	BH337 SS3	BH340 SS2	BH403 SS2	TP201	TP202	TP202-1	TP203	TP204 SS1	TP204 SS2	TP205 SS1	TP205 SS2	BH-101-1	BH-101-2
Lab ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	5291890	ZXD566	ZXD567	ZXD568	ZXD569	6040641	6040643	6073878	6073879	5979996	5979998	5979999	5980001	5980003	5980004	5980006	5980007	N/A	N/A
Sampling Date			13-Sep-23	2-Aug-24	2-Aug-24	2-Aug-24	2-Aug-24	23-Jul-24	23-Jul-24	12-Aug-24	1-Aug-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	16-Jul-13	16-Jul-13
Soil Sample Depth (m)			3.05 - 3.66	0.5 - 0.8	0.8 - 1.22	0 - 0.8	0.8 - 1.22	0.76 - 1.37	1.52 - 2.13	0.76 - 1.52	0 - 0.76	2.0	1.5	Field Duplicate of TP202	1.5	0.5	2.0	0.5	2.0	0.17-0.59	2.4 - 2.75
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	AECOM	AECOM
Laboratory			AGAT	BV Labs	BV Labs	BV Labs	BV Labs	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	N/A	N/A
Certificate of Analysis Number			23H069762	C4N8124	C4N8124	C4N8124	C4N8124	24H179728	24H179728	24H184764	24H184764	24H169980	24H169980	24H169980	24H169980	24H169980	24H169980	24H169980	24H169980	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																					
Benzene	0.17	0.02	<0.02	-	-	-	-	<0.02	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	-	<0.02	-	< 0.020	< 0.020
Toluene	6	0.02	<0.05	-	-	-	-	<0.05	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	< 0.020	< 0.020
Ethylbenzene	1.6	0.02	<0.05	-	-	-	-	<0.05	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	<0.05	-	-	-	-	<0.05	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	< 0.020	< 0.020
o-Xylene	NV	0.018	<0.05	-	-	-	-	<0.05	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	< 0.020	< 0.020
Xylenes (Total)	25	0.02	<0.05	-	-	-	-	<0.05	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	< 0.020	< 0.020
Petroleum Hydrocarbons (PHCs)																					
PHC F1 (C6-C10)	65	5	-	-	-	-	-	<5	<5	-	-	<5	<5	<5	<5	<5	-	<5	-	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	-	-	-	-	-	<5	<5	-	-	<5	<5	<5	<5	<5	-	<5	-	< 10	< 10
PHC F2 (C10-C16)	150	7	-	-	-	-	-	<7	<7	-	-	<10	<10	<10	<10	<10	-	<10	-	< 10	< 10
PHC F3 (C16-C34)	1300	50	-	-	-	-	-	<50	<50	-	-	<50	<50	<50	<50	121	-	65	-	< 50	< 50
PHC F4 (C34-C50)	5600	50	-	-	-	-	-	<50	<50	-	-	<50	<50	<50	<50	<50	-	<50	-	< 50	< 50
Reached baseline at C50?	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes
Volatile Organic Compounds (VOCs)																					
Acetone	28	0.5	<0.50	-	-	-	-	-	-	-	-	<0.50	-	-	<0.50	-	-	<0.50	-	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
Bromoform	0.26	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
Bromomethane	0.05	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
Chloroform	0.18	0.04	<0.04	-	-	-	-	-	-	-	-	<0.04	-	-	<0.04	-	-	<0.04	-	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	<0.02	-	-	-	-	-	-	-	-	<0.02	-	-	<0.02	-	-	<0.02	-	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	<0.03	-	-	-	-	-	-	-	-	<0.03	-	-	<0.03	-	-	<0.03	-	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	<0.02	-	-	-	-	-	-	-	-	<0.02	-	-	<0.02	-	-	<0.02	-	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	<0.03	-	-	-	-	-	-	-	-	<0.03	-	-	<0.03	-	-	<0.03	-	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	<0.04	-	-	-	-	-	-	-	-	<0.04	-	-	<0.04	-	-	<0.04	-	< 0.050	< 0.050
Hexane (n)	34	0.02	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	<0.50	-	-	-	-	-	-	-	-	<0.50	-	-	<0.50	-	-	<0.50	-	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	<0.50	-	-	-	-	-	-	-	-	<0.50	-	-	<0.50	-	-	<0.50	-	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
Styrene	2.2	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	<0.04	-	-	-	-	-	-	-	-	<0.04	-	-	<0.04	-	-	<0.04	-	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	<0.05	-	-	-	-	-	-	-	-	<0.04	-	-	<0.04	-	-	<0.04	-	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	<0.04	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	<0.03	-	-	-	-	-	-	-	-	<0.03	-	-	<0.03	-	-	<0.03	-	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	<0.05	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	<0.02	-	-	-	-	-	-	-	-	<0.02	-	-	<0.02	-	-	<0.02	-	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	<0.04	-	-	-	-	-	-	-	-	<0.05	-	-	<0.05	-	-	<0.05	-	< 0.050	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH328	BH330		BH331		BH337		BH340	BH403	TP201	TP202		TP203	TP204		TP205		BH101	
Sample ID			BH328 SS5	BH330 SS1	BH330 SS2	BH331 SS1	BH331 SS2	BH337 SS2	BH337 SS3	BH340 SS2	BH403 SS2	TP201	TP202	TP202-1	TP203	TP204 SS1	TP204 SS2	TP205 SS1	TP205 SS2	BH-101-1	BH-101-2
Lab ID			5291890	ZXD566	ZXD567	ZXD568	ZXD569	6040641	6040643	6073878	6073879	5979996	5979998	5979999	5980001	5980003	5980004	5980006	5980007	N/A	N/A
Sampling Date			13-Sep-23	2-Aug-24	2-Aug-24	2-Aug-24	2-Aug-24	23-Jul-24	23-Jul-24	12-Aug-24	1-Aug-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	16-Jul-13	16-Jul-13
Soil Sample Depth (m)			3.05 - 3.66	0.5 - 0.8	0.8 - 1.22	0 - 0.8	0.8 - 1.22	0.76 - 1.37	1.52 - 2.13	0.76 - 1.52	0 - 0.76	2.0	1.5	Field Duplicate of TP202	1.5	0.5	2.0	0.5	2.0	0.17-0.59	2.4 - 2.75
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	AECOM	AECOM
Laboratory			AGAT	BV Labs	BV Labs	BV Labs	BV Labs	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	N/A	N/A
Certificate of Analysis Number			23H069762	C4N8124	C4N8124	C4N8124	C4N8124	24H179728	24H179728	24H184764	24H184764	24H169980	24H169980	24H169980	24H169980	24H169980	24H169980	24H169980	24H169980	N/A	N/A
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	29	0.005	-	-	-	-	-	-	-	-	-	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.0050	< 0.0050
Acenaphthylene	0.17	0.005	-	-	-	-	-	-	-	-	-	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.0050	< 0.0050
Anthracene	0.74	0.005	-	-	-	-	-	-	-	-	-	<0.05	<0.05	-	<0.05	<0.05	0.07	<0.05	<0.05	< 0.0050	< 0.0050
Benzo(a)anthracene	0.63	0.005	-	-	-	-	-	-	-	-	-	<0.05	0.08	-	0.1	<0.05	0.2	<0.05	0.15	< 0.0050	< 0.0050
Benzo(a)pyrene	0.3	0.005	-	-	-	-	-	-	-	-	-	<0.05	0.08	-	0.07	<0.05	0.18	<0.05	0.12	< 0.0050	< 0.0050
Benzo(b/j)fluoranthene	0.78	0.005	-	-	-	-	-	-	-	-	-	<0.05	0.13	-	0.11	<0.05	0.34	<0.05	0.19	0.0057	< 0.0050
Benzo(ghi)perylene	7.8	0.005	-	-	-	-	-	-	-	-	-	<0.05	0.06	-	0.06	<0.05	0.12	<0.05	0.08	< 0.0050	< 0.0050
Benzo(k)fluoranthene	0.78	0.005	-	-	-	-	-	-	-	-	-	<0.05	<0.05	-	<0.05	<0.05	0.1	<0.05	<0.05	< 0.0050	< 0.0050
Chrysene	7.8	0.005	-	-	-	-	-	-	-	-	-	<0.05	0.11	-	0.1	<0.05	0.27	<0.05	0.15	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.1	0.005	-	-	-	-	-	-	-	-	-	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.0050	< 0.0050
Fluoranthene	0.69	0.005	-	-	-	-	-	-	-	-	-	<0.05	0.28	-	0.32	0.12	1.28	<0.05	0.53	0.0075	0.006
Fluorene	69	0.005	-	-	-	-	-	-	-	-	-	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.0050	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	-	-	-	-	-	-	-	-	-	<0.05	0.05	-	0.06	<0.05	0.12	<0.05	0.07	< 0.0050	< 0.0050
1-Methylnaphthalene	3.4	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.0050	< 0.0050
2-Methylnaphthalene	3.4	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.0050	< 0.0050
Naphthalene	0.75	0.005	-	-	-	-	-	-	-	-	-	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.0050	< 0.0050
Phenanthrene	7.8	0.005	-	-	-	-	-	-	-	-	-	<0.05	0.23	-	0.26	0.05	1.5	<0.05	0.65	< 0.0050	< 0.0050
Pyrene	78	0.005	-	-	-	-	-	-	-	-	-	<0.05	0.19	-	0.19	<0.05	0.46	<0.05	0.31	0.0062	< 0.0050
1&2-Methylnaphthalene	3.4	0.0071	-	-	-	-	-	-	-	-	-	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																					
Aldrin	0.05	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	<0.007	<0.007	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	<0.007	<0.007	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	<0.007	<0.007	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	<0.007	<0.007	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH328	BH330		BH331		BH337		BH340	BH403	TP201	TP202		TP203	TP204		TP205		BH101	
Sample ID			BH328 SS5	BH330 SS1	BH330 SS2	BH331 SS1	BH331 SS2	BH337 SS2	BH337 SS3	BH340 SS2	BH403 SS2	TP201	TP202	TP202-1	TP203	TP204 SS1	TP204 SS2	TP205 SS1	TP205 SS2	BH-101-1	BH-101-2
Lab ID			5291890	ZXD566	ZXD567	ZXD568	ZXD569	6040641	6040643	6073878	6073879	5979996	5979998	5979999	5980001	5980003	5980004	5980006	5980007	N/A	N/A
Sampling Date			13-Sep-23	2-Aug-24	2-Aug-24	2-Aug-24	2-Aug-24	23-Jul-24	23-Jul-24	12-Aug-24	1-Aug-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	3-Jul-24	16-Jul-13	16-Jul-13
Soil Sample Depth (m)			3.05 - 3.66	0.5 - 0.8	0.8 - 1.22	0 - 0.8	0.8 - 1.22	0.76 - 1.37	1.52 - 2.13	0.76 - 1.52	0 - 0.76	2.0	1.5	Field Duplicate of TP202	1.5	0.5	2.0	0.5	2.0	0.17-0.59	2.4 - 2.75
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	AECOM	AECOM
Laboratory			AGAT	BV Labs	BV Labs	BV Labs	BV Labs	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	N/A	N/A
Certificate of Analysis Number			23H069762	C4N8124	C4N8124	C4N8124	C4N8124	24H179728	24H179728	24H184764	24H184764	24H169980	24H169980	24H169980	24H169980	24H169980	24H169980	24H169980	24H169980	N/A	N/A
Polychlorinated Biphenyls (PCBs)																					
Total PCB	0.35	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.010	< 0.010
Metals																					
Barium	390	0.5	-	-	-	-	-	-	-	-	-	57.2	90	-	100	85.1	103	112	92.2	9.7	90
Beryllium	5	0.2	-	-	-	-	-	-	-	-	-	0.9	0.8	-	0.9	0.8	0.9	1.1	0.7	< 0.20	0.93
Boron (Total)	120	5	-	-	-	-	-	-	-	-	-	14	12	-	15	14	17	14	15	< 5.0	< 5.0
Cadmium	1.2	0.1	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	< 0.10	< 0.10
Chromium (total)	160	1	-	-	-	-	-	-	-	-	-	24	23	-	25	25	23	28	22	3.8	21
Cobalt	22	0.1	-	-	-	-	-	-	-	-	-	13.3	12.8	-	12.8	13.6	12.1	13.9	10.6	2	11
Copper	180	0.5	-	-	-	-	-	-	-	-	-	38.3	74.4	-	122	**195**	79	**630**	73.9	9.7	73
Lead	120	1	-	-	-	-	-	-	-	-	-	9	24	-	18	27	15	25	14	6.5	7
Molybdenum	6.9	0.5	-	-	-	-	-	-	-	-	-	0.6	0.8	-	1.3	1.3	**13.1**	0.9	**14.1**	< 0.50	1.3
Nickel	130	0.5	-	-	-	-	-	-	-	-	-	28	24	-	27	27	26	30	23	4.1	28
Silver	25	0.2	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	< 0.20	< 0.20
Thallium	1	0.05	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	< 0.050	0.058
Uranium	23	0.05	-	-	-	-	-	-	-	-	-	0.77	0.65	-	1.01	0.94	0.96	0.96	1.04	0.29	0.83
Vanadium	86	5	-	-	-	-	-	-	-	-	-	33.4	32	-	35.6	32.1	37.9	38.7	36.3	8.7	34
Zinc	340	5	-	-	-	-	-	-	-	-	-	69	91	-	87	137	76	180	74	12	55
Hydride-Forming Metals																					
Antimony	7.5	0.2	-	-	-	-	-	-	-	-	-	<0.8	<0.8	-	<0.8	<0.8	<0.8	<0.8	<0.8	< 0.20	0.39
Arsenic	18	0.2	-	-	-	-	-	-	-	-	-	7	7	-	7	10	6	9	5	1.7	6
Selenium	2.4	0.2	-	-	-	-	-	-	-	-	-	<0.8	<0.8	-	0.9	0.9	0.9	1.2	0.9	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																					
Boron (hot water soluble)	1.5	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.076	0.15
Chromium VI	10	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.050	< 0.050
Methyl Mercury	0.0094	0.00001	-	<0.000056	0.000099	0.0017	0.0003	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.089	0.19
Sodium Adsorption Ratio (unitless)	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41	0.77
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.09	7.6

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH102		BH103	BH104		BH105				BH106			BH107		BH108				BH108A
Sample ID			BH-102-1	BH-102-2	BH-103-1	BH-104 SA1	BH-104 SA2	BH-105 SA1	BH-105 SA2A	BH-105 SA2B	BH-105 SA3	BH106 SA1	BH106 SA1B	BH106 SA2	BH107 SA1	BH107 SA2	BH108-SA1A	BH108-SA1B	BH108-SA2A	BH108 SA2B	BH108A SS1
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ZXD555
Sampling Date			16-Jul-13	16-Jul-13	16-Jul-13	29-Jul-13	29-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	2-Aug-24
Soil Sample Depth (m)			0.13 - 0.58	1.78 - 2.43	0.1 - 0.92	0.15 - 0.69	1.52 - 2.69	0.51 - 0.79	1.52 - 1.85	1.85 - 2.64	3.05 - 3.45	0.05 - 0.25	0.51 - 0.97	1.52 - 2.23	0.05 - 0.56	1.52 - 2.03	0.13 - 0.61	1.24 - 1.52	1.52 - 1.88	1.88 - 2.21	0.76 - 1.52
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	EXP
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BV Labs
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	C4N8124
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																					
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-
Toluene	6	0.02	< 0.020	0.033	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-
Ethylbenzene	1.6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-
m-Xylene + p-Xylene	NV	0.02	0.057	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-
o-Xylene	NV	0.018	0.086	< 0.018	< 0.019	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-
Xylenes (Total)	25	0.02	0.14	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-
Petroleum Hydrocarbons (PHCs)																					
PHC F1 (C6-C10)	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-
PHC F1 (C6-C10) - BTEX	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-
PHC F3 (C16-C34)	1300	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	-	58	< 50	< 50	< 50	< 50	< 50	< 50	< 50	-
PHC F4 (C34-C50)	5600	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	-	55	< 50	< 50	< 50	< 50	< 50	< 50	< 50	-
Reached baseline at C50?	NA	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Volatile Organic Compounds (VOCs)																					
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.064	< 0.050	-	< 0.050	< 0.050	< 0.050	0.31	< 0.050	< 0.050	< 0.050	< 0.050	-
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.075	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	-	< 0.030	< 0.030	< 0.030	< 0.030	< 0.050	< 0.050	< 0.030	< 0.050	-
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	-	< 0.040	< 0.040	< 0.040	< 0.040	< 0.030	< 0.030	< 0.040	< 0.030	-
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Trichloroethylene	0.52	0.03	0.25	0.051	< 0.050	< 0.050	0.21	< 0.050	< 0.050	< 0.050	**1.2**	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH102		BH103	BH104		BH105				BH106			BH107		BH108				BH108A
Sample ID			BH-102-1	BH-102-2	BH-103-1	BH-104 SA1	BH-104 SA2	BH-105 SA1	BH-105 SA2A	BH-105 SA2B	BH-105 SA3	BH106 SA1	BH106 SA1B	BH106 SA2	BH107 SA1	BH107 SA2	BH108-SA1A	BH108-SA1B	BH108-SA2A	BH108 SA2B	BH108A SS1
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ZXD555
Sampling Date			16-Jul-13	16-Jul-13	16-Jul-13	29-Jul-13	29-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	2-Aug-24
Soil Sample Depth (m)			0.13 - 0.58	1.78 - 2.43	0.1 - 0.92	0.15 - 0.69	1.52 - 2.69	0.51 - 0.79	1.52 - 1.85	1.85 - 2.64	3.05 - 3.45	0.05 - 0.25	0.51 - 0.97	1.52 - 2.23	0.05 - 0.56	1.52 - 2.03	0.13 - 0.61	1.24 - 1.52	1.52 - 1.88	1.88 - 2.21	0.76 - 1.52
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	EXP
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BV Labs
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	C4N8124
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	29	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.01	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Acenaphthylene	0.17	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Anthracene	0.74	0.005	0.0084	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.019	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Benzo(a)anthracene	0.63	0.005	0.018	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.061	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Benzo(a)pyrene	0.3	0.005	0.015	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.05	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Benzo(b/j)fluoranthene	0.78	0.005	0.024	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.067	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Benzo(ghi)perylene	7.8	0.005	0.0085	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.026	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Benzo(k)fluoranthene	0.78	0.005	0.0075	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.024	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Chrysene	7.8	0.005	0.018	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.053	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Dibenz(a,h)anthracene	0.1	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.0063	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Fluoranthene	0.69	0.005	0.045	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.15	< 0.0050	0.013	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Fluorene	69	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.0068	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Indeno(1,2,3-cd)pyrene	0.48	0.005	0.0086	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.028	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
1-Methylnaphthalene	3.4	0.005	0.0056	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
2-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Naphthalene	0.75	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Phenanthrene	7.8	0.005	0.042	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.013	-	0.077	< 0.0050	0.021	0.012	< 0.0050	< 0.0050	< 0.0050	0.0078	-
Pyrene	78	0.005	0.036	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	0.11	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
1&2-Methylnaphthalene	3.4	0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	-	< 0.0071	< 0.0071	< 0.014	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	-
Organochlorine Pesticides (OCPs)																					
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH102		BH103	BH104		BH105				BH106			BH107		BH108				BH108A
Sample ID			BH-102-1	BH-102-2	BH-103-1	BH-104 SA1	BH-104 SA2	BH-105 SA1	BH-105 SA2A	BH-105 SA2B	BH-105 SA3	BH106 SA1	BH106 SA1B	BH106 SA2	BH107 SA1	BH107 SA2	BH108-SA1A	BH108-SA1B	BH108-SA2A	BH108 SA2B	BH108A SS1
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ZXD555
Sampling Date			16-Jul-13	16-Jul-13	16-Jul-13	29-Jul-13	29-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	2-Aug-24
Soil Sample Depth (m)			0.13 - 0.58	1.78 - 2.43	0.1 - 0.92	0.15 - 0.69	1.52 - 2.69	0.51 - 0.79	1.52 - 1.85	1.85 - 2.64	3.05 - 3.45	0.05 - 0.25	0.51 - 0.97	1.52 - 2.23	0.05 - 0.56	1.52 - 2.03	0.13 - 0.61	1.24 - 1.52	1.52 - 1.88	1.88 - 2.21	0.76 - 1.52
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	EXP
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BV Labs
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	C4N8124
Polychlorinated Biphenyls (PCBs)																					
Total PCB	0.35	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	-
Metals																					
Barium	390	0.5	29	63	8.2	29	22	15	16	25	18	78	150	23	24	28	91	25	38	28	-
Beryllium	5	0.2	0.27	0.91	< 0.20	0.45	1	< 0.20	0.24	0.86	0.95	0.26	0.7	0.92	0.64	0.64	0.67	0.41	0.46	0.7	-
Boron (Total)	120	5	< 5.0	6.9	< 5.0	7.3	11	< 5.0	< 5.0	11	11	9.1	6.9	12	9.4	11	7.9	< 5.0	5.1	11	-
Cadmium	1.2	0.1	0.13	0.14	< 0.10	0.12	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.32	0.8	< 0.10	0.42	< 0.10	0.11	< 0.10	< 0.10	< 0.10	-
Chromium (total)	160	1	6.7	21	3	12	24	5.2	7.9	23	23	7.9	19	22	18	18	16	11	13	19	-
Cobalt	22	0.1	4.2	16	1.6	7.1	18	2.8	3	15	19	5.5	10	16	12	13	9.3	5.1	7.3	15	-
Copper	180	0.5	62	150	6.8	61	**250**	11	15	**200**	**450**	28	75	**250**	**190**	**360**	130	130	**220**	**350**	-
Lead	120	1	13	6.8	2.4	8.7	3.8	4.8	26	4.6	4.6	21	**220**	3	50	3.1	8.8	4.9	5.9	12	-
Molybdenum	6.9	0.5	1.7	1.3	< 0.50	0.6	0.55	< 0.50	< 0.50	< 0.50	0.61	0.88	1.4	< 0.50	1.2	0.94	0.78	< 0.50	< 0.50	< 0.50	-
Nickel	130	0.5	17	30	3.8	17	37	5.4	5.6	32	37	11	23	36	25	25	22	15	18	27	-
Silver	25	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	-
Thallium	1	0.05	< 0.050	0.089	< 0.050	0.058	0.079	< 0.050	< 0.050	0.11	0.078	0.1	< 0.050	0.083	0.07	< 0.050	0.081	< 0.050	0.071	0.075	-
Uranium	23	0.05	0.33	1.2	0.15	0.65	0.65	0.25	0.36	0.83	0.67	0.37	1.1	0.93	0.7	1.3	0.77	0.39	0.36	0.91	-
Vanadium	86	5	12	32	6.3	20	27	11	19	26	26	13	30	26	20	20	25	16	18	22	-
Zinc	340	5	160	89	9.7	66	75	15	14	75	80	86	200	75	190	53	50	30	40	57	-
Hydride-Forming Metals																					
Antimony	7.5	0.2	0.21	0.24	< 0.20	0.25	< 0.20	< 0.20	< 0.20	0.26	< 0.20	0.32	1.3	< 0.20	< 0.20	< 0.20	0.24	< 0.20	< 0.20	< 0.20	-
Arsenic	18	0.2	3.5	7.1	1.3	4.7	7.8	2	6.5	6	11	6.4	9.5	6.9	5.8	10	6.7	3.3	3.2	8.9	-
Selenium	2.4	0.2	< 0.50	0.73	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.74	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.56	-
Other Regulated Parameters (ORPs)																					
Boron (hot water soluble)	1.5	0.05	0.23	0.52	< 0.050	0.18	0.16	0.13	0.26	0.3	0.44	0.12	0.66	0.32	0.36	0.46	0.22	0.18	0.18	0.36	-
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	0.53	< 0.050	< 0.050	< 0.050	< 0.050	0.19	< 0.050	< 0.050	< 0.050	< 0.050	0.2	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	-
Methyl Mercury	0.0094	0.00001	<0.000012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000082
Electrical Conductivity (mS/cm)	0.7	0.002	0.33	0.41	0.084	**1.1**	0.63	0.15	0.17	0.24	0.3	0.33	**2.1**	**3**	**0.97**	0.28	**1.5**	**0.74**	0.42	0.41	-
Sodium Adsorption Ratio (unitless)	5	-	0.19	0.92	0.39	**10**	**26**	1.4	0.72	1	3.9	**9.3**	**36**	**25**	3.5	2.8	**15**	**12**	**11**	**6.7**	-
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	**9.02**	7.39	8.46	7.7	7.88	8.18	7.47	7.85	7.92	8.1	7.42	7.78	7.83	7.94	8.02	7.76	7.81	7.9	-

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH109		BH110			BH111			BH112		BH113	BH114		BH114N	BH114E	BH114S	BH115	
Sample ID			BH109-1	BH109-2	BH110SA1A	BH110 SA1B	BH110 SA2	BH111 SA1	BH111 SA1B	BH111 SA2	BH112-1	BH112-2	BH113-1	BH114-1	BH114-2	BH114N SS1	BH114E SS1	BH114S SS1	BH115-1	BH115-2
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ZXD557	ZXD559	ZXD561	N/A	N/A
Sampling Date			18-Jun-13	18-Jun-13	31-Jul-13	31-Jul-13	31-Jul-13	31-Jul-13	31-Jul-13	31-Jul-13	18-Jun-13	18-Jun-13	3-Jul-13	3-Jul-13	3-Jul-13	2-Aug-24	2-Aug-24	2-Aug-24	3-Jul-13	3-Jul-13
Soil Sample Depth (m)			0 - 1.14	1.52 - 2.29	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03	0.18 - 0.99	1.52 - 2.54	0.07 - 1 m	0.61 - 0.85	1.52 - 2.15	0.61 - 0.91	0.61 - 0.91	0.61 - 0.91	0.2 - 0.75	1.52 - 2.1
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	EXP	EXP	EXP	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BV Labs	BV Labs	BV Labs	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	C4N8124	C4N8124	C4N8124	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																				
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.081	< 0.020	-	-	-	< 0.020	< 0.020
Toluene	6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	**220**	**9.8**	-	-	-	< 0.020	< 0.020
Ethylbenzene	1.6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	1.5	0.096	-	-	-	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	1.5	0.096	-	-	-	< 0.020	< 0.020
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	7.3	0.33	-	-	-	< 0.020	< 0.020
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	15	0.79	-	-	-	< 0.020	< 0.020
Petroleum Hydrocarbons (PHCs)																				
PHC F1 (C6-C10)	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**3500**	22	-	-	-	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**3300**	19	-	-	-	< 10	< 10
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**260**	11	-	-	-	< 10	< 10
PHC F3 (C16-C34)	1300	50	< 50	63	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	**7000**	< 50	-	-	-	99	< 50
PHC F4 (C34-C50)	5600	50	< 50	140	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	2600	< 50	-	-	-	150	< 50
Reached baseline at C50?	NA	-	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	No	Yes
Volatile Organic Compounds (VOCs)																				
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.59	< 0.50	-	-	-	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.13	< 0.050	-	-	-	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.062	< 0.050	-	-	-	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.056	< 0.050	-	-	-	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	0.26	2.3	< 0.050	< 0.050	0.98	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	-	-	-	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	-	-	-	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.077	< 0.050	-	-	-	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-	-	-	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.28	< 0.050	-	-	-	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.070	< 0.050	-	-	-	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	< 0.050	0.21	**19**	< 0.050	< 0.050	**13**	< 0.050	< 0.050	< 0.050	0.1	< 0.050	-	-	-	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	**0.078**	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	**0.17**	-	-	-	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	-	-	< 0.050	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH109		BH110			BH111			BH112		BH113	BH114		BH114N	BH114E	BH114S	BH115	
Sample ID			BH109-1	BH109-2	BH110SA1A	BH110 SA1B	BH110 SA2	BH111 SA1	BH111 SA1B	BH111 SA2	BH112-1	BH112-2	BH113-1	BH114-1	BH114-2	BH114N SS1	BH114E SS1	BH114S SS1	BH115-1	BH115-2
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ZXD557	ZXD559	ZXD561	N/A	N/A
Sampling Date			18-Jun-13	18-Jun-13	31-Jul-13	31-Jul-13	31-Jul-13	31-Jul-13	31-Jul-13	31-Jul-13	18-Jun-13	18-Jun-13	3-Jul-13	3-Jul-13	3-Jul-13	2-Aug-24	2-Aug-24	2-Aug-24	3-Jul-13	3-Jul-13
Soil Sample Depth (m)			0 - 1.14	1.52 - 2.29	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03	0.18 - 0.99	1.52 - 2.54	0.07 - 1 m	0.61 - 0.85	1.52 - 2.15	0.61 - 0.91	0.61 - 0.91	0.61 - 0.91	0.2 - 0.75	1.52 - 2.1
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	EXP	EXP	EXP	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BV Labs	BV Labs	BV Labs	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	C4N8124	C4N8124	C4N8124	N/A	N/A
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	29	0.005	< 0.025	< 0.025	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	-	-	-	0.22	< 0.0050
Acenaphthylene	0.17	0.005	< 0.025	< 0.025	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	-	-	-	0.0057	< 0.0050
Anthracene	0.74	0.005	< 0.025	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.011	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	-	-	-	0.48	< 0.0050
Benzo(a)anthracene	0.63	0.005	0.07	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.028	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.18	< 0.0050	-	-	-	**1.2**	< 0.0050
Benzo(a)pyrene	0.3	0.005	0.069	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.02	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.17	< 0.0050	-	-	-	**1**	< 0.0050
Benzo(b/j)fluoranthene	0.78	0.005	0.089	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.023	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.21	< 0.0050	-	-	-	**1.4**	< 0.0050
Benzo(ghi)perylene	7.8	0.005	0.053	0.028	< 0.0050	< 0.0050	< 0.0050	0.011	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.11	< 0.0050	-	-	-	0.59	< 0.0050
Benzo(k)fluoranthene	0.78	0.005	0.033	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.0081	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.07	< 0.0050	-	-	-	0.52	< 0.0050
Chrysene	7.8	0.005	0.063	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.028	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.16	< 0.0050	-	-	-	0.99	< 0.0050
Dibenz(a,h)anthracene	0.1	0.005	< 0.025	< 0.025	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	-	-	-	**0.18**	< 0.0050
Fluoranthene	0.69	0.005	0.18	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.067	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.37	< 0.0050	-	-	-	**2.6**	< 0.0050
Fluorene	69	0.005	< 0.025	< 0.025	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.059	< 0.0050	-	-	-	0.22	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	0.051	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.013	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.14	< 0.0050	-	-	-	**0.64**	< 0.0050
1-Methylnaphthalene	3.4	0.005	< 0.025	< 0.025	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	-	-	-	0.019	< 0.0050
2-Methylnaphthalene	3.4	0.005	< 0.025	< 0.025	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.051	< 0.0050	-	-	-	0.02	< 0.0050
Naphthalene	0.75	0.005	< 0.025	< 0.025	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.066	0.0067	-	-	-	0.018	< 0.0050
Phenanthrene	7.8	0.005	0.13	0.028	< 0.0050	0.017	< 0.0050	0.044	< 0.0050	0.017	< 0.0050	< 0.0050	< 0.0050	0.25	< 0.0050	-	-	-	1.6	< 0.0050
Pyrene	78	0.005	0.14	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.05	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.38	< 0.0050	-	-	-	1.7	< 0.0050
1&2-Methylnaphthalene	3.4	0.0071	< 0.035	< 0.035	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	-	-	-	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																				
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH109		BH110			BH111			BH112		BH113	BH114		BH114N	BH114E	BH114S	BH115	
Sample ID			BH109-1	BH109-2	BH110SA1A	BH110 SA1B	BH110 SA2	BH111 SA1	BH111 SA1B	BH111 SA2	BH112-1	BH112-2	BH113-1	BH114-1	BH114-2	BH114N SS1	BH114E SS1	BH114S SS1	BH115-1	BH115-2
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ZXD557	ZXD559	ZXD561	N/A	N/A
Sampling Date			18-Jun-13	18-Jun-13	31-Jul-13	31-Jul-13	31-Jul-13	31-Jul-13	31-Jul-13	31-Jul-13	18-Jun-13	18-Jun-13	3-Jul-13	3-Jul-13	3-Jul-13	2-Aug-24	2-Aug-24	2-Aug-24	3-Jul-13	3-Jul-13
Soil Sample Depth (m)			0 - 1.14	1.52 - 2.29	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03	0.18 - 0.99	1.52 - 2.54	0.07 - 1 m	0.61 - 0.85	1.52 - 2.15	0.61 - 0.91	0.61 - 0.91	0.61 - 0.91	0.2 - 0.75	1.52 - 2.1
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	EXP	EXP	EXP	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BV Labs	BV Labs	BV Labs	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	C4N8124	C4N8124	C4N8124	N/A	N/A
Polychlorinated Biphenyls (PCBs)																				
Total PCB	0.35	0.01	< 0.010	< 0.010	< 0.010	< 0.010	-	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	-	-	-	< 0.010	< 0.010
Metals																				
Barium	390	0.5	150	73	52	43	21	51	40	26	14	16	18	100	37	-	-	-	61	77
Beryllium	5	0.2	0.9	0.68	< 0.20	0.63	0.82	< 0.20	0.78	0.68	< 0.20	< 0.20	< 0.20	0.95	1	-	-	-	1	1
Boron (Total)	120	5	7.4	8.8	6.1	9.2	13	7	9.7	11	< 5.0	< 5.0	18	9.7	7.1	-	-	-	8.6	7
Cadmium	1.2	0.1	0.43	0.13	**5.6**	< 0.10	< 0.10	**5**	0.25	< 0.10	< 0.10	< 0.10	0.59	**8.7**	< 0.10	-	-	-	0.67	0.1
Chromium (total)	160	1	20	18	6	17	23	7.8	19	19	6.1	5.6	1.6	21	24	-	-	-	20	24
Cobalt	22	0.1	15	11	3.5	12	15	3.6	14	13	3.4	3.2	1.5	12	17	-	-	-	14	17
Copper	180	0.5	150	25	25	130	**230**	24	160	**380**	13	22	6.5	**200**	160	-	-	-	150	140
Lead	120	1	16	16	**220**	11	2.9	**210**	11	10	5.9	4.1	29	57	2.3	-	-	-	66	3
Molybdenum	6.9	0.5	1.9	1.2	2.4	< 0.50	0.6	3	0.62	0.68	< 0.50	< 0.50	1.3	2.5	< 0.50	-	-	-	2	0.65
Nickel	130	0.5	30	25	8	26	31	8.9	30	26	6.9	6.6	4.6	33	36	-	-	-	33	35
Silver	25	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.22	< 0.20	-	-	-	0.33	< 0.20
Thallium	1	0.05	0.091	0.062	0.11	0.074	0.07	0.097	0.081	0.062	< 0.050	< 0.050	0.094	0.1	0.063	-	-	-	0.091	0.069
Uranium	23	0.05	1	0.56	0.59	0.91	0.68	0.72	2	0.87	0.28	0.25	0.47	1.2	0.77	-	-	-	0.85	0.82
Vanadium	86	5	29	23	9.1	22	24	12	23	21	13	10	< 5.0	27	29	-	-	-	27	29
Zinc	340	5	85	75	**2800**	79	70	**3000**	160	86	19	17	190	110	71	-	-	-	83	70
Hydride-Forming Metals																				
Antimony	7.5	0.2	0.52	0.22	< 0.20	< 0.20	< 0.20	7	2.1	< 0.20	< 0.20	< 0.20	0.3	**9**	< 0.20	-	-	-	0.77	< 0.20
Arsenic	18	0.2	11	6.7	5	5.1	7.2	< 0.20	< 0.20	9.6	2	1.9	6.6	9.5	11	-	-	-	8.5	8.1
Selenium	2.4	0.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.61	< 0.50	< 0.50	< 0.50	< 0.50	0.65	< 0.50	-	-	-	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																				
Boron (hot water soluble)	1.5	0.05	0.35	0.36	0.078	0.32	0.55	0.13	0.33	0.4	0.074	0.18	0.11	**2.6**	0.14	-	-	-	1.2	0.34
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-	-	-	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	0.42	< 0.050	< 0.050	< 0.050	< 0.050	**210**	**11**	< 0.050	< 0.050	0.053	< 0.050	**30**	0.081	-	-	-	0.4	< 0.050
Methyl Mercury	0.0094	0.00001	0.000241	-	-	-	-	-	-	-	-	-	-	**0.0875**	-	0.0071	0.0015	<0.000057	0.00662	-
Electrical Conductivity (mS/cm)	0.7	0.002	**0.86**	0.28	0.28	**1.4**	0.46	0.45	**0.81**	0.4	0.14	0.53	**1.2**	**1.9**	0.61	-	-	-	**2**	**2**
Sodium Adsorption Ratio (unitless)	5	-	2.7	0.8	3.2	**6.3**	2.5	**7**	2.1	3.8	0.31	3	0.29	**8.5**	0.95	-	-	-	**24**	**5.1**
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.42	7.66	7.9	7.89	7.81	7.1	7.9	8.09	7.91	7.85	8.33	6.41	7.27	-	-	-	6.83	7.12

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID			BH116				BH117			BH118		BH119			BH120	BH121			BH122	
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH116-1	BH116-2	BH-AK	BH116-3	BH117 SA1A	BH117SA1B	BH117SA2	BH118-SA2	BH118-SA3B	BH119-SA1B	BH119-SA2B	DUP1	BH120-SA1	BH121-SA1	BH121-SA2B	DUP 2	BH122-SA2A	BH122-SA2B
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			8-Jul-13	8-Jul-13	8-Jul-13	8-Jul-13	31-Jul-13	31-Jul-13	31-Jul-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	2-Aug-13	2-Aug-13
Soil Sample Depth (m)			0.16 - 0.61	1.65 - 4.02	Field Duplicate of BH116-2	4.02 - 4.57	0.08 - 0.59	1.35 - 1.52	1.52 - 1.82	1.52 - 2.13	3.2 - 3.66	0.36 - 0.89	1.72 - 2.28	Field Duplicate of BH119-SA2B	0.13 - 0.43	0.13 - 0.61	2.06 - 2.75	Field Duplicate of BH121-SA2B	1.52 - 2.33	2.34 - 2.87
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																				
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Toluene	6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Ethylbenzene	1.6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Petroleum Hydrocarbons (PHCs)																				
PHC F1 (C6-C10)	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	< 10	18	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10
PHC F3 (C16-C34)	1300	50	< 50	< 50	< 50	< 50	600	< 50	< 50	< 50	< 50	< 50	< 50	< 50	-	< 50	< 50	< 50	< 50	< 50
PHC F4 (C34-C50)	5600	50	< 50	< 50	< 50	< 50	1800	< 50	< 50	< 50	< 50	< 50	< 50	< 50	-	< 50	< 50	< 50	< 50	< 50
Reached baseline at C50?	NA	-	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes
Volatile Organic Compounds (VOCs)																				
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.16	0.11	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	-	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	-	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	**1.6**	**1.3**	-	< 0.050	0.086	0.084	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID			BH116				BH117			BH118		BH119			BH120	BH121			BH122	
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH116-1	BH116-2	BH-AK	BH116-3	BH117 SA1A	BH117SA1B	BH117SA2	BH118-SA2	BH118-SA3B	BH119-SA1B	BH119-SA2B	DUP1	BH120-SA1	BH121-SA1	BH121-SA2B	DUP 2	BH122-SA2A	BH122-SA2B
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			8-Jul-13	8-Jul-13	8-Jul-13	8-Jul-13	31-Jul-13	31-Jul-13	31-Jul-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	2-Aug-13	2-Aug-13
Soil Sample Depth (m)			0.16 - 0.61	1.65 - 4.02	Field Duplicate of BH116-2	4.02 - 4.57	0.08 - 0.59	1.35 - 1.52	1.52 - 1.82	1.52 - 2.13	3.2 - 3.66	0.36 - 0.89	1.72 - 2.28	Field Duplicate of BH119-SA2B	0.13 - 0.43	0.13 - 0.61	2.06 - 2.75	Field Duplicate of BH121-SA2B	1.52 - 2.33	2.34 - 2.87
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	29	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.041	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Acenaphthylene	0.17	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Anthracene	0.74	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.069	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.034	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(a)anthracene	0.63	0.005	< 0.0050	0.0096	0.0069	< 0.0050	0.33	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.047	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(a)pyrene	0.3	0.005	< 0.0050	0.009	0.0057	< 0.0050	0.3	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.046	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(b/j)fluoranthene	0.78	0.005	< 0.0050	0.012	0.0094	< 0.0050	0.42	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.061	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(ghi)perylene	7.8	0.005	< 0.0050	0.0056	< 0.0050	< 0.0050	0.25	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.033	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(k)fluoranthene	0.78	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.15	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.02	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Chrysene	7.8	0.005	< 0.0050	0.0083	0.0061	< 0.0050	0.42	< 0.0050	0.0052	< 0.0050	< 0.0050	0.043	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.1	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0069	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Fluoranthene	0.69	0.005	< 0.0050	0.016	0.013	< 0.0050	**0.99**	< 0.0050	0.0076	< 0.0050	< 0.0050	0.12	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Fluorene	69	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.015	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	< 0.0050	0.0058	< 0.0050	< 0.0050	0.23	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.031	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
1-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
2-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Naphthalene	0.75	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	0.0067	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Phenanthrene	7.8	0.005	< 0.0050	0.0071	0.0056	< 0.0050	0.51	< 0.0050	0.0072	< 0.0050	0.016	0.076	0.007	0.0052	-	< 0.0050	0.024	0.02	< 0.0050	0.0066
Pyrene	78	0.005	< 0.0050	0.013	0.011	< 0.0050	0.79	< 0.0050	0.006	< 0.0050	< 0.0050	0.095	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
1&2-Methylnaphthalene	3.4	0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	-	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																				
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID			BH116				BH117			BH118		BH119			BH120	BH121			BH122	
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH116-1	BH116-2	BH-AK	BH116-3	BH117 SA1A	BH117SA1B	BH117SA2	BH118-SA2	BH118-SA3B	BH119-SA1B	BH119-SA2B	DUP1	BH120-SA1	BH121-SA1	BH121-SA2B	DUP 2	BH122-SA2A	BH122-SA2B
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			8-Jul-13	8-Jul-13	8-Jul-13	8-Jul-13	31-Jul-13	31-Jul-13	31-Jul-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	1-Aug-13	2-Aug-13	2-Aug-13
Soil Sample Depth (m)			0.16 - 0.61	1.65 - 4.02	Field Duplicate of BH116-2	4.02 - 4.57	0.08 - 0.59	1.35 - 1.52	1.52 - 1.82	1.52 - 2.13	3.2 - 3.66	0.36 - 0.89	1.72 - 2.28	Field Duplicate of BH119-SA2B	0.13 - 0.43	0.13 - 0.61	2.06 - 2.75	Field Duplicate of BH121-SA2B	1.52 - 2.33	2.34 - 2.87
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)																				
Total PCB	0.35	0.01	< 0.010	< 0.010	< 0.010	< 0.010	0.17	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	-	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Metals																				
Barium	390	0.5	14	16	77	27	80	120	23	26	22	18	32	82	35	9.3	23	24	110	23
Beryllium	5	0.2	< 0.20	< 0.20	0.88	1	0.6	0.79	0.76	0.76	0.77	0.21	0.65	0.86	0.43	< 0.20	0.89	0.89	0.82	0.8
Boron (Total)	120	5	< 5.0	< 5.0	8.1	7.5	19	6.8	10	11	10	< 5.0	11	6.4	9.9	< 5.0	11	11	7.7	10
Cadmium	1.2	0.1	< 0.10	0.1	**3.8**	< 0.10	0.51	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.24	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium (total)	160	1	6.3	5.2	19	24	17	19	21	23	22	6.9	25	21	10	5.2	22	23	21	21
Cobalt	22	0.1	2.9	2.8	12	16	9.2	12	15	14	16	3.4	12	17	2	2.3	15	17	13	15
Copper	180	0.5	11	13	**240**	**230**	20	**590**	160	**200**	130	20	**270**	**1300**	9.3	11	**250**	**270**	99	**210**
Lead	120	1	5.2	7.3	100	8.3	110	12	2.6	3.2	2.5	4.5	3.9	19	8.2	3.1	3.4	3.4	7.8	3.3
Molybdenum	6.9	0.5	< 0.50	< 0.50	3.8	0.62	1.5	0.95	< 0.50	1.2	< 0.50	< 0.50	2.3	0.99	0.74	< 0.50	0.82	0.81	1.3	0.62
Nickel	130	0.5	5.9	6.2	30	35	19	27	30	30	33	7.4	27	29	5.6	4.7	32	35	31	33
Silver	25	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Thallium	1	0.05	< 0.050	< 0.050	0.096	< 0.050	0.33	< 0.050	0.098	0.066	0.066	< 0.050	0.064	0.095	< 0.050	< 0.050	0.068	0.08	0.083	0.073
Uranium	23	0.05	0.28	0.26	0.81	0.53	0.92	0.73	0.61	0.96	0.41	0.38	0.97	0.7	0.67	0.27	0.54	0.57	0.8	1
Vanadium	86	5	14	10	25	27	18	30	24	24	25	13	23	27	13	13	25	27	33	26
Zinc	340	5	16	18	87	73	190	55	66	65	70	21	57	**590**	63	13	67	74	60	68
Hydride-Forming Metals																				
Antimony	7.5	0.2	< 0.20	< 0.20	1.9	< 0.20	0.29	0.29	< 0.20	0.21	< 0.20	< 0.20	0.2	0.24	< 0.20	< 0.20	< 0.20	0.26	0.4	0.22
Arsenic	18	0.2	2	1.8	7.4	9.6	4.5	12	6.4	5.1	7.4	2.2	5.4	9.3	2.5	1.7	7.6	8	6	4.7
Selenium	2.4	0.2	< 0.50	< 0.50	0.7	< 0.50	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																				
Boron (hot water soluble)	1.5	0.05	0.14	0.13	**2.6**	0.23	0.45	0.15	0.35	0.36	0.51	0.25	0.35	0.35	0.17	0.17	0.37	0.39	0.16	0.29
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	< 0.050	0.15	1.3	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	1.6	< 0.050	< 0.050	0.72	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	-	0.000161	-	-	-	-	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	0.47	0.16	**2**	0.31	**1.2**	**0.96**	0.6	0.36	0.28	0.27	0.32	0.3	**3.3**	0.11	0.16	0.16	0.34	0.2
Sodium Adsorption Ratio (unitless)	5	-	0.18	0.63	**5.4**	0.82	1.7	**6.8**	2.6	1.6	2.2	2.2	1.9	2.5	0.28	0.35	1.1	1.1	0.69	0.74
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	8.33	7.98	7.61	7.27	**11.5**	7.72	7.95	7.25	7.74	7.63	7.99	7.9	**12**	8.71	7.97	7.91	7.64	7.95

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH123			BH124			BH125		BH126		BH127		BH128		BH129		BH130		
Sample ID			BH123-1	BH123-2	BHA-1	BH109 SA1A	BH124-SA1B	BH109 SA2	BH125-1	BH125-2	BH126-1	BH126-2	BH127-1	BH127-2	BH128-1	BH128-2	BH129-2	BH129-3	BH130-2	BHY-2	BH130-3
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			6-Aug-13	6-Aug-13	6-Aug-13	31-Jul-13	31-Jul-13	31-Jul-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	8-Aug-13	8-Aug-13	8-Aug-13	8-Aug-13	8-Aug-13
Soil Sample Depth (m)			0.05 - 0.75	0.8 - 1.22	Field Duplicate of BH123-1	0.09 - 1.25	1.25 - 1.52	1.52 - 1.98	0.16 - 0.85	1.52 - 2.42	0.52 - 1.01	1.52 - 2.32	0.2 - 0.5	0.5 - 1.25	0.14 - 1.08	1.52 - 2.15	0.38 - 1.54	1.54 - 2.44	1.22 - 1.86	Field Duplicate of BH130-2	2.44 - 2.65
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																					
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Toluene	6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.022	< 0.020
Ethylbenzene	1.6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.03	< 0.020
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.03	< 0.020
Petroleum Hydrocarbons (PHCs)																					
PHC F1 (C6-C10)	65	5	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**87**	47	< 10	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**87**	47	< 10	< 10	< 10
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F3 (C16-C34)	1300	50	< 50	< 50	< 50	< 50	-	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PHC F4 (C34-C50)	5600	50	< 50	< 50	< 50	< 50	-	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Reached baseline at C50?	NA	-	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Volatile Organic Compounds (VOCs)																					
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	-	0.054	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	-	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	-	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH123			BH124			BH125		BH126		BH127		BH128		BH129		BH130		
Sample ID			BH123-1	BH123-2	BHA-1	BH109 SA1A	BH124-SA1B	BH109 SA2	BH125-1	BH125-2	BH126-1	BH126-2	BH127-1	BH127-2	BH128-1	BH128-2	BH129-2	BH129-3	BH130-2	BHY-2	BH130-3
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			6-Aug-13	6-Aug-13	6-Aug-13	31-Jul-13	31-Jul-13	31-Jul-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	8-Aug-13	8-Aug-13	8-Aug-13	8-Aug-13	8-Aug-13
Soil Sample Depth (m)			0.05 - 0.75	0.8 - 1.22	Field Duplicate of BH123-1	0.09 - 1.25	1.25 - 1.52	1.52 - 1.98	0.16 - 0.85	1.52 - 2.42	0.52 - 1.01	1.52 - 2.32	0.2 - 0.5	0.5 - 1.25	0.14 - 1.08	1.52 - 2.15	0.38 - 1.54	1.54 - 2.44	1.22 - 1.86	Field Duplicate of BH130-2	2.44 - 2.65
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	29	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Acenaphthylene	0.17	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Anthracene	0.74	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Benzo(a)anthracene	0.63	0.005	0.0088	< 0.0050	0.0068	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Benzo(a)pyrene	0.3	0.005	0.008	< 0.0050	0.0074	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Benzo(b/j)fluoranthene	0.78	0.005	0.011	< 0.0050	0.011	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Benzo(ghi)perylene	7.8	0.005	0.0063	< 0.0050	0.0059	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Benzo(k)fluoranthene	0.78	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Chrysene	7.8	0.005	0.009	< 0.0050	0.0071	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.1	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Fluoranthene	0.69	0.005	0.019	< 0.0050	0.017	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	0.0089	0.0084	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Fluorene	69	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	0.0066	< 0.0050	0.006	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
1-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
2-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Naphthalene	0.75	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Phenanthrene	7.8	0.005	0.0091	< 0.0050	0.0073	< 0.0050	-	0.013	< 0.0050	< 0.0050	0.0069	0.0072	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Pyrene	78	0.005	0.016	< 0.0050	0.015	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	0.0071	0.0066	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
1&2-Methylnaphthalene	3.4	0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	-	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																					
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH123			BH124			BH125		BH126		BH127		BH128		BH129		BH130		
Sample ID			BH123-1	BH123-2	BHA-1	BH109 SA1A	BH124-SA1B	BH109 SA2	BH125-1	BH125-2	BH126-1	BH126-2	BH127-1	BH127-2	BH128-1	BH128-2	BH129-2	BH129-3	BH130-2	BHY-2	BH130-3
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			6-Aug-13	6-Aug-13	6-Aug-13	31-Jul-13	31-Jul-13	31-Jul-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	7-Aug-13	8-Aug-13	8-Aug-13	8-Aug-13	8-Aug-13	8-Aug-13
Soil Sample Depth (m)			0.05 - 0.75	0.8 - 1.22	Field Duplicate of BH123-1	0.09 - 1.25	1.25 - 1.52	1.52 - 1.98	0.16 - 0.85	1.52 - 2.42	0.52 - 1.01	1.52 - 2.32	0.2 - 0.5	0.5 - 1.25	0.14 - 1.08	1.52 - 2.15	0.38 - 1.54	1.54 - 2.44	1.22 - 1.86	Field Duplicate of BH130-2	2.44 - 2.65
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)																					
Total PCB	0.35	0.01	< 0.010	< 0.010	< 0.010	< 0.010	-	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Metals																					
Barium	390	0.5	130	67	120	46	27	26	43	30	64	65	61	33	61	26	39	28	62	62	54
Beryllium	5	0.2	0.78	1	0.8	< 0.20	0.54	0.81	0.82	0.85	0.79	0.74	0.56	0.61	0.73	0.85	0.71	0.94	0.78	0.8	0.22
Boron (Total)	120	5	5.6	7.8	5.4	6.2	8	10	10	10	8.4	7.9	< 5.0	8.7	8.4	10	7.9	9.6	8.5	8.2	< 5.0
Cadmium	1.2	0.1	0.32	< 0.10	0.29	**3.5**	< 0.10	0.2	< 0.10	< 0.10	< 0.10	< 0.10	0.12	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium (total)	160	1	19	25	18	7.8	19	24	21	22	20	19	17	17	21	20	22	23	21	20	6.5
Cobalt	22	0.1	12	17	11	4.2	15	17	12	15	13	12	8.8	11	11	14	12	16	13	12	4.4
Copper	180	0.5	140	150	130	35	**450**	**250**	84	180	86	65	19	59	49	**230**	47	**200**	80	76	36
Lead	120	1	15	3.2	14	**180**	9.2	24	6.9	5.2	9	10	11	5.7	7.1	4.6	4.9	4.4	10	10	6
Molybdenum	6.9	0.5	1.3	< 0.50	1.3	2.2	1.3	0.88	1.2	0.94	0.99	1.1	1.2	1	1.4	0.81	1.4	0.72	1.1	1.1	< 0.50
Nickel	130	0.5	23	36	21	9.3	24	34	30	34	28	26	18	25	29	31	30	36	28	27	8.8
Silver	25	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Thallium	1	0.05	0.1	0.092	0.11	< 0.050	0.054	0.086	0.067	0.076	0.071	0.065	< 0.050	0.056	0.066	0.06	0.056	0.068	0.069	0.064	< 0.050
Uranium	23	0.05	0.82	0.67	0.86	0.66	0.55	0.61	1	1.1	0.94	0.95	0.99	0.95	0.94	0.89	0.93	0.93	1.2	1.1	0.34
Vanadium	86	5	27	28	27	9.5	19	25	34	27	28	28	24	26	31	25	28	29	30	29	12
Zinc	340	5	70	69	78	**2000**	65	160	60	68	66	63	72	51	57	63	62	73	64	63	33
Hydride-Forming Metals																					
Antimony	7.5	0.2	0.39	< 0.20	0.33	< 0.20	< 0.20	< 0.20	0.46	0.32	0.32	0.36	0.29	0.39	0.54	0.23	0.31	0.27	0.36	0.3	< 0.20
Arsenic	18	0.2	8.9	8.3	8.5	5	8.2	11	6.7	6.6	5.5	5.2	5.9	4.3	6.3	7.6	4	9.8	5.5	5.7	4.1
Selenium	2.4	0.2	0.5	< 0.50	0.52	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																					
Boron (hot water soluble)	1.5	0.05	0.31	0.17	0.29	0.1	0.4	0.43	0.1	0.17	0.2	0.2	0.17	0.14	0.12	0.11	0.13	0.17	0.2	0.21	0.069
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	0.061	< 0.050	0.054	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	0.22	0.2	0.23	0.39	0.47	0.4	0.42	0.41	**0.95**	**0.77**	**5.8**	**2.8**	0.4	0.28	0.33	0.36	0.63	0.63	0.29
Sodium Adsorption Ratio (unitless)	5	-	0.22	0.39	0.22	0.73	2	**8.1**	1.1	**5.9**	4.2	2.8	**38**	3.7	0.81	2.2	**13**	**12**	2.5	2.7	4.2
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.31	7.54	7.34	7.87	8.05	7.92	7.55	7.79	7.44	7.45	7.44	7.69	7.79	7.66	7.84	7.7	7.48	7.54	7.99

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH131		BH132		BH133		BH134		BH135		BH136		BH137		BH138		BH139		
Sample ID			BH131-1	BH131-2	BH132-1	BH132-2	BH133-1	BH133-2	BH134-1	BH134-2	BH135-1	BH135-2	BH136-1	BH136-2	BH137-1	BH137-2	BH138-1	BH138-2	BH139-1	BH139-2	BHAI-1
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			8-Aug-13	8-Aug-13	9-Aug-13	9-Aug-13	9-Aug-13	9-Aug-13	9-Aug-13	9-Aug-13	13-Aug-13	13-Aug-13	13-Aug-13	13-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13
Soil Sample Depth (m)			0.19 - 0.66	1.22 - 1.62	0.18 - 0.91	1.22 - 1.7	0.1 - 0.48	1.22 - 1.76	0.12 - 0.32	1.22 - 1.57	1.22 - 1.75	2 - 2.4	0.75 - 1.22	1.9 - 2.2	0.8 - 1.1	1.3 - 1.7	0.75 - 1.22	1.22 - 1.41	0.61 - 1.22	1.57 - 1.83	Field Duplicate of BH139-1
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																					
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Toluene	6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Ethylbenzene	1.6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Petroleum Hydrocarbons (PHCs)																					
PHC F1 (C6-C10)	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	< 10	< 10	< 10	10	200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F3 (C16-C34)	1300	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	110	54	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PHC F4 (C34-C50)	5600	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	110	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Reached baseline at C50?	NA	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Volatile Organic Compounds (VOCs)																					
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH131		BH132		BH133		BH134		BH135		BH136		BH137		BH138		BH139		
Sample ID			BH131-1	BH131-2	BH132-1	BH132-2	BH133-1	BH133-2	BH134-1	BH134-2	BH135-1	BH135-2	BH136-1	BH136-2	BH137-1	BH137-2	BH138-1	BH138-2	BH139-1	BH139-2	BHAI-1
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			8-Aug-13	8-Aug-13	9-Aug-13	9-Aug-13	9-Aug-13	9-Aug-13	9-Aug-13	9-Aug-13	13-Aug-13	13-Aug-13	13-Aug-13	13-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13
Soil Sample Depth (m)			0.19 - 0.66	1.22 - 1.62	0.18 - 0.91	1.22 - 1.7	0.1 - 0.48	1.22 - 1.76	0.12 - 0.32	1.22 - 1.57	1.22 - 1.75	2 - 2.4	0.75 - 1.22	1.9 - 2.2	0.8 - 1.1	1.3 - 1.7	0.75 - 1.22	1.22 - 1.41	0.61 - 1.22	1.57 - 1.83	Field Duplicate of BH139-1
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	29	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.15	0.039	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Acenaphthylene	0.17	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Anthracene	0.74	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.19	0.053	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(a)anthracene	0.63	0.005	< 0.0050	< 0.0050	0.022	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.52	0.22	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0066	< 0.0050
Benzo(a)pyrene	0.3	0.005	< 0.0050	< 0.0050	0.021	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	**0.49**	0.2	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(b/j)fluoranthene	0.78	0.005	< 0.0050	< 0.0050	0.033	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.62	0.27	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(ghi)perylene	7.8	0.005	< 0.0050	< 0.0050	0.012	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.29	0.12	< 0.0050	< 0.0050	0.028	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(k)fluoranthene	0.78	0.005	< 0.0050	< 0.0050	0.011	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.23	0.1	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Chrysene	7.8	0.005	< 0.0050	< 0.0050	0.024	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.51	0.22	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0068	< 0.0050
Dibenz(a,h)anthracene	0.1	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.074	0.032	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Fluoranthene	0.69	0.005	< 0.0050	< 0.0050	0.036	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	**1.4**	0.56	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.017	< 0.0050
Fluorene	69	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.012	0.11	0.028	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	< 0.0050	< 0.0050	0.012	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.33	0.14	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
1-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.019	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
2-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.026	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Naphthalene	0.75	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.085	0.0076	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Phenanthrene	7.8	0.005	< 0.0050	< 0.0050	0.014	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	1.2	0.39	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.011	< 0.0050
Pyrene	78	0.005	< 0.0050	< 0.0050	0.034	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	1.1	0.41	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.014	< 0.0050
1&2-Methylnaphthalene	3.4	0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	0.045	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																					
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH131		BH132		BH133		BH134		BH135		BH136		BH137		BH138		BH139		
Sample ID			BH131-1	BH131-2	BH132-1	BH132-2	BH133-1	BH133-2	BH134-1	BH134-2	BH135-1	BH135-2	BH136-1	BH136-2	BH137-1	BH137-2	BH138-1	BH138-2	BH139-1	BH139-2	BHAI-1
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			8-Aug-13	8-Aug-13	9-Aug-13	9-Aug-13	9-Aug-13	9-Aug-13	9-Aug-13	9-Aug-13	13-Aug-13	13-Aug-13	13-Aug-13	13-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13	14-Aug-13
Soil Sample Depth (m)			0.19 - 0.66	1.22 - 1.62	0.18 - 0.91	1.22 - 1.7	0.1 - 0.48	1.22 - 1.76	0.12 - 0.32	1.22 - 1.57	1.22 - 1.75	2 - 2.4	0.75 - 1.22	1.9 - 2.2	0.8 - 1.1	1.3 - 1.7	0.75 - 1.22	1.22 - 1.41	0.61 - 1.22	1.57 - 1.83	Field Duplicate of BH139-1
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)																					
Total PCB	0.35	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Metals																					
Barium	390	0.5	100	37	54	32	58	29	55	93	78	34	11	16	63	92	11	59	12	78	12
Beryllium	5	0.2	0.87	0.87	0.81	0.72	0.75	0.85	0.72	0.9	0.99	0.98	< 0.20	< 0.20	0.46	0.77	< 0.20	0.25	< 0.20	1.6	< 0.20
Boron (Total)	120	5	7.6	8.9	7.4	8.6	7.4	9.4	7.4	7.3	8.8	8.9	< 5.0	< 5.0	< 5.0	11	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cadmium	1.2	0.1	< 0.10	< 0.10	0.1	< 0.10	0.15	< 0.10	< 0.10	< 0.10	0.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.63	< 0.10
Chromium (total)	160	1	20	23	22	21	21	21	22	25	19	25	4.3	4	10	19	4.3	8.6	5.4	12	4.8
Cobalt	22	0.1	11	14	12	12	12	16	13	15	14	17	2.1	2	4.6	12	2.3	4	3	6.8	2.6
Copper	180	0.5	40	62	61	48	46	**200**	130	**310**	100	170	8.3	8.3	30	**190**	8.4	28	10	77	11
Lead	120	1	9.8	4.8	9.9	6.4	8.4	3.2	5.3	8.8	31	3.3	2.9	3	4.2	5.8	2.9	3.7	3.3	8.9	3.1
Molybdenum	6.9	0.5	1.2	0.63	1.1	1	0.94	< 0.50	0.82	1.2	2.4	< 0.50	< 0.50	< 0.50	0.64	0.56	< 0.50	< 0.50	< 0.50	1.1	< 0.50
Nickel	130	0.5	28	34	30	30	29	34	32	36	32	38	4.2	4.1	11	29	4.5	9.1	5.9	14	5.4
Silver	25	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Thallium	1	0.05	0.065	0.072	0.071	0.062	0.079	0.065	0.067	0.081	0.12	0.093	< 0.050	< 0.050	< 0.050	0.094	< 0.050	0.056	< 0.050	0.068	< 0.050
Uranium	23	0.05	0.76	1	1.1	1.3	0.82	1.1	1.4	1.3	0.96	0.6	0.22	0.23	0.59	1.9	0.25	1.7	0.29	0.69	0.24
Vanadium	86	5	33	29	29	30	29	26	30	35	29	31	11	9	20	30	10	16	12	24	9.9
Zinc	340	5	55	72	62	61	99	69	62	72	110	79	12	14	33	52	15	17	15	78	15
Hydride-Forming Metals																					
Antimony	7.5	0.2	0.39	0.26	0.43	0.47	0.34	< 0.20	0.3	0.43	0.7	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.9	< 0.20
Arsenic	18	0.2	6.3	4.1	4.5	4.6	5.2	8.2	4.7	9.7	9.2	8.7	1.3	1.4	3.1	6.4	1.5	3	1.8	7	1.6
Selenium	2.4	0.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.54	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																					
Boron (hot water soluble)	1.5	0.05	0.16	0.11	0.11	0.11	0.12	0.18	0.1	0.11	**1.9**	0.28	0.089	0.12	0.97	0.23	0.081	0.33	0.051	0.28	< 0.050
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	< 0.050	< 0.050	0.057	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.19	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.067	0.45	< 0.050
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	0.15	0.16	0.63	0.51	0.49	0.47	**2**	**1.4**	**1.8**	**0.99**	0.11	0.19	0.26	0.19	0.16	0.18	0.14	0.18	0.15
Sodium Adsorption Ratio (unitless)	5	-	0.7	0.86	**16**	**14**	**6.4**	4.6	**8.3**	**6.5**	**10**	**7.9**	0.37	0.67	1.9	1.3	1.1	0.71	1.5	0.51	1.5
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.36	7.64	7.82	7.82	7.54	7.8	7.71	7.72	6.69	7.42	7.94	7.97	6.29	7.53	7.71	7.32	7.85	7.27	7.81

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH140	BH141			BH142A		D1	D2	D3	D4	D5	D6	D7	MW101		MW102		
Sample ID			BH140-1	BH141-1	BHD-1	BH141-2	BH142A SS1	BH142A SS2	D1-0-0.2	D2-0-0.2	D3-0-0.2	D4-0-0.2	D5-0-0.1	D6-0-0.15	D7-0-0.2	MW101-1	MW101-3	MW102-1	MW102-2	OW-MW102-2
Lab ID			N/A	N/A	N/A	N/A	ZXD563	ZXD564	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			15-Aug-13	19-Aug-13	19-Aug-13	19-Aug-13	2-Aug-24	2-Aug-24	23-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	23-Jul-13	17-Jun-13	17-Jun-13	17-Jun-13	17-Jun-13	17-Jun-13
Soil Sample Depth (m)			0.61 - 0.96	0.16 - 0.35	Field Duplicate of BH141-1	0.85 - 1.22	0 - 0.5	1.07 - 1.52	0 - 0.2	0 - 0.2	0 - 0.2	0 - 0.2	0 - 0.1	0 - 0.15	0 - 0.2	0.13 - 0.46	1.524 - 1.98	0.1 - 1.07	1.524 - 2.72	Field Duplicate of MW102-2
Consultant			AECOM	AECOM	AECOM	AECOM	EXP	EXP	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	BV Labs	BV Labs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	C4N8124	C4N8124	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																				
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Toluene	6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	-	0.029	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Ethylbenzene	1.6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	-	0.073	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	-	-	0.054	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	-	0.13	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Petroleum Hydrocarbons (PHCs)																				
PHC F1 (C6-C10)	65	5	< 10	< 10	< 10	< 10	-	-	< 20	< 10	< 10	< 20	< 20	< 20	< 10	< 10	< 10	< 10	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	< 10	< 10	< 10	< 10	-	-	< 20	< 10	< 10	< 20	< 20	< 20	< 10	< 10	< 10	< 10	< 10	< 10
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	< 10	-	-	62	< 10	< 10	< 10	< 20	< 20	< 10	< 10	< 10	< 10	< 10	< 10
PHC F3 (C16-C34)	1300	50	< 50	< 50	< 50	< 50	-	-	**3600**	230	220	68	170	140	160	440	< 50	< 50	< 50	< 50
PHC F4 (C34-C50)	5600	50	67	< 50	< 50	< 50	-	-	**20000**	980	1100	51	180	160	120	100	< 50	< 50	< 50	< 50
Reached baseline at C50?	NA	-	0	Yes	Yes	Yes	-	-	No	No	No	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes
Volatile Organic Compounds (VOCs)																				
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	-	-	0.59	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	0.077	0.18	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	-	-	< 0.030	< 0.030	< 0.030	< 0.030	< 0.060	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	-	-	< 0.040	< 0.040	< 0.040	< 0.040	< 0.080	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	-	-	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	-	-	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	< 0.050	< 0.050	-	-	0.053	0.052	0.082	< 0.050	< 0.10	0.056	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH140	BH141			BH142A		D1	D2	D3	D4	D5	D6	D7	MW101		MW102		
Sample ID			BH140-1	BH141-1	BHD-1	BH141-2	BH142A SS1	BH142A SS2	D1-0-0.2	D2-0-0.2	D3-0-0.2	D4-0-0.2	D5-0-0.1	D6-0-0.15	D7-0-0.2	MW101-1	MW101-3	MW102-1	MW102-2	OW-MW102-2
Lab ID			N/A	N/A	N/A	N/A	ZXD563	ZXD564	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			15-Aug-13	19-Aug-13	19-Aug-13	19-Aug-13	2-Aug-24	2-Aug-24	23-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	23-Jul-13	17-Jun-13	17-Jun-13	17-Jun-13	17-Jun-13	17-Jun-13
Soil Sample Depth (m)			0.61 - 0.96	0.16 - 0.35	Field Duplicate of BH141-1	0.85 - 1.22	0 - 0.5	1.07 - 1.52	0 - 0.2	0 - 0.2	0 - 0.2	0 - 0.2	0 - 0.1	0 - 0.15	0 - 0.2	0.13 - 0.46	1.524 - 1.98	0.1 - 1.07	1.524 - 2.72	Field Duplicate of MW102-2
Consultant			AECOM	AECOM	AECOM	AECOM	EXP	EXP	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	BV Labs	BV Labs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	C4N8124	C4N8124	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	29	0.005	0.017	< 0.0050	< 0.0050	< 0.0050	-	-	0.23	0.067	0.035	0.02	< 0.10	0.02	0.014	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Acenaphthylene	0.17	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	-	< 0.050	< 0.025	< 0.025	< 0.0050	< 0.10	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Anthracene	0.74	0.005	0.039	< 0.0050	< 0.0050	< 0.0050	-	-	0.43	0.14	0.074	0.05	0.12	0.058	0.039	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Benzo(a)anthracene	0.63	0.005	0.16	< 0.0050	< 0.0050	< 0.0050	-	-	**1.8**	0.46	0.3	0.2	0.55	0.26	0.17	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Benzo(a)pyrene	0.3	0.005	0.15	< 0.0050	< 0.0050	< 0.0050	-	-	**1.2**	**0.4**	0.27	0.12	**0.34**	0.22	0.12	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Benzo(b/j)fluoranthene	0.78	0.005	0.21	< 0.0050	< 0.0050	0.0059	-	-	**1.9**	0.63	0.44	0.19	0.59	0.35	0.19	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Benzo(ghi)perylene	7.8	0.005	0.085	< 0.0050	< 0.0050	0.0096	-	-	0.42	0.23	0.18	0.074	0.21	0.12	0.047	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Benzo(k)fluoranthene	0.78	0.005	0.082	< 0.0050	< 0.0050	< 0.0050	-	-	0.64	0.22	0.15	0.062	0.19	0.13	0.06	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Chrysene	7.8	0.005	0.15	< 0.0050	< 0.0050	< 0.0050	-	-	1.9	0.46	0.31	0.18	0.53	0.26	0.15	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.1	0.005	0.023	< 0.0050	< 0.0050	< 0.0050	-	-	**0.12**	0.055	0.038	0.017	< 0.10	0.03	0.015	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Fluoranthene	0.69	0.005	0.35	< 0.0050	< 0.0050	< 0.0050	-	-	**4.9**	**1.1**	**0.7**	0.46	**1.2**	0.59	0.37	0.0053	< 0.0050	0.026	< 0.0050	< 0.0050
Fluorene	69	0.005	0.016	< 0.0050	< 0.0050	< 0.0050	-	-	0.29	0.071	0.038	0.025	< 0.10	0.023	0.011	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	0.096	< 0.0050	< 0.0050	< 0.0050	-	-	**0.52**	0.24	0.18	0.085	0.23	0.13	0.063	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
1-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	-	< 0.050	< 0.025	< 0.025	< 0.0050	< 0.10	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
2-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	-	< 0.050	< 0.025	< 0.025	< 0.0050	< 0.10	0.011	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Naphthalene	0.75	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	-	0.064	0.035	< 0.025	< 0.0050	< 0.10	0.012	0.0051	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
Phenanthrene	7.8	0.005	0.19	< 0.0050	< 0.0050	< 0.0050	-	-	3.1	0.71	0.38	0.25	0.56	0.3	0.2	0.0056	< 0.0050	< 0.025	< 0.0050	< 0.0050
Pyrene	78	0.005	0.25	< 0.0050	< 0.0050	< 0.0050	-	-	3.7	0.85	0.53	0.34	0.97	0.46	0.3	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050
1&2-Methylnaphthalene	3.4	0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	-	-	< 0.071	< 0.035	< 0.035	< 0.0071	< 0.14	< 0.014	< 0.0071	< 0.0071	< 0.0071	< 0.035	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																				
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH140	BH141			BH142A		D1	D2	D3	D4	D5	D6	D7	MW101		MW102		
Sample ID			BH140-1	BH141-1	BHD-1	BH141-2	BH142A SS1	BH142A SS2	D1-0-0.2	D2-0-0.2	D3-0-0.2	D4-0-0.2	D5-0-0.1	D6-0-0.15	D7-0-0.2	MW101-1	MW101-3	MW102-1	MW102-2	OW-MW102-2
Lab ID			N/A	N/A	N/A	N/A	ZXD563	ZXD564	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			15-Aug-13	19-Aug-13	19-Aug-13	19-Aug-13	2-Aug-24	2-Aug-24	23-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	23-Jul-13	17-Jun-13	17-Jun-13	17-Jun-13	17-Jun-13	17-Jun-13
Soil Sample Depth (m)			0.61 - 0.96	0.16 - 0.35	Field Duplicate of BH141-1	0.85 - 1.22	0 - 0.5	1.07 - 1.52	0 - 0.2	0 - 0.2	0 - 0.2	0 - 0.2	0 - 0.1	0 - 0.15	0 - 0.2	0.13 - 0.46	1.524 - 1.98	0.1 - 1.07	1.524 - 2.72	Field Duplicate of MW102-2
Consultant			AECOM	AECOM	AECOM	AECOM	EXP	EXP	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	BV Labs	BV Labs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	C4N8124	C4N8124	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)																				
Total PCB	0.35	0.01	< 0.010	< 0.010	< 0.010	< 0.010	-	-	0.11	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.010	< 0.010	0.011	< 0.010	< 0.010
Metals																				
Barium	390	0.5	93	9.5	11	46	-	-	60	34	26	29	70	92	130	11	28	58	20	22
Beryllium	5	0.2	0.5	< 0.20	< 0.20	0.99	-	-	0.32	0.87	0.94	1	0.74	0.95	1	< 0.20	0.94	0.51	0.99	1
Boron (Total)	120	5	13	< 5.0	< 5.0	9.9	-	-	13	17	10	11	9.4	11	6.2	< 5.0	12	< 5.0	10	10
Cadmium	1.2	0.1	0.83	< 0.10	< 0.10	< 0.10	-	-	**5**	0.64	0.29	0.45	**2.3**	**2.3**	**4.8**	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium (total)	160	1	15	3.9	4.1	25	-	-	35	23	24	25	19	21	22	4.4	22	14	23	23
Cobalt	22	0.1	9.5	2.3	2.5	16	-	-	6.1	15	16	19	12	10	16	2	14	6.6	17	16
Copper	180	0.5	27	9.1	9.9	**220**	-	-	160	**250**	180	**230**	120	**200**	160	10	54	36	**200**	**200**
Lead	120	1	19	3.4	3.4	5.6	-	-	**200**	21	9.1	7.6	46	48	17	3.8	5.9	11	3.4	4.1
Molybdenum	6.9	0.5	0.91	< 0.50	< 0.50	1	-	-	4.4	0.86	6.3	0.85	6.1	2.5	2	< 0.50	1.2	1.3	0.55	0.61
Nickel	130	0.5	21	4.8	5.3	39	-	-	26	33	36	38	25	23	31	4.4	33	16	34	35
Silver	25	0.2	< 0.20	< 0.20	< 0.20	< 0.20	-	-	1	< 0.20	< 0.20	< 0.20	0.24	0.21	< 0.20	1.4	< 0.20	< 0.20	< 0.20	< 0.20
Thallium	1	0.05	0.1	< 0.050	< 0.050	0.085	-	-	< 0.050	0.094	0.098	0.094	0.11	0.15	0.12	< 0.050	0.069	0.07	0.081	0.075
Uranium	23	0.05	0.51	0.23	0.23	1.3	-	-	0.9	0.8	0.57	0.97	0.8	1	1	0.22	1	0.87	0.58	0.76
Vanadium	86	5	22	9.3	9.8	34	-	-	18	27	27	29	25	31	32	8.7	29	23	26	27
Zinc	340	5	96	12	12	71	-	-	**710**	140	110	99	240	200	84	15	67	57	73	75
Hydride-Forming Metals																				
Antimony	7.5	0.2	0.88	< 0.20	< 0.20	0.37	-	-	**10**	1.4	0.63	0.66	2.6	2.4	3.6	< 0.20	0.43	0.24	0.24	0.2
Arsenic	18	0.2	11	1.8	1.9	5.1	-	-	6.1	5.8	8.1	13	7.5	7.7	12	1.9	5.8	5.1	7.2	6.7
Selenium	2.4	0.2	< 0.50	< 0.50	< 0.50	< 0.50	-	-	0.51	< 0.50	< 0.50	< 0.50	< 0.50	0.69	0.54	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																				
Boron (hot water soluble)	1.5	0.05	0.48	0.061	0.058	0.25	-	-	0.91	0.82	0.23	0.28	0.81	0.99	0.37	< 5.0	**12**	< 5.0	**10**	**10**
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	-	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	**2.3**	< 0.050	< 0.050	0.41	-	-	**50**	**2.4**	0.59	0.37	**2.4**	1.3	0.77	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl Mercury	0.0094	0.00001	0.000062	-	-	<0.00001	<0.000052	<0.00006	-	**0.0122**	0.00119	0.00201	0.00766	0.00326	0.00581	-	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	0.57	0.098	0.11	0.35	-	-	**1**	**1.3**	**0.94**	**1.1**	**1.4**	**1**	0.67	**0.84**	0.22	**0.93**	0.36	0.35
Sodium Adsorption Ratio (unitless)	5	-	1.8	0.47	0.51	1.7	-	-	5	**8.7**	**7.2**	**6.1**	**6.2**	**5.2**	4.3	0.55	0.61	**5.3**	**8**	**8.6**
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.93	7.88	7.83	7.72	-	-	7	6.72	7.1	7.26	7.16	6.83	7.17	**11.4**	7.9	6.93	7.92	7.84

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW103		MW104		MW105		MW106		MW107		MW108		MW109	MW110D		MW111		MW112
Sample ID			MW103-1	MW103-2	MW104-2	MW104-3	MW105-1	MW105-3	MW106-1	MW106-2	MW107-1	MW107-2	MW108-1	MW108-2	MW109-1_20130702	MW110-1	MW110-2	MW111-1	MW111-2	MW112-1_20130702
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			17-Jun-13	17-Jun-13	17-Jun-13	17-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	2-Jul-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	2-Jul-13
Soil Sample Depth (m)			0.13 - 0.97	1.54 - 2.21	0.66 - 1.32	1.52 - 2.64	0.1 - 0.57	1.5 - 2.25	0.08 - 0.84	1.52 - 1.82	0.1 - 1.09	1.52 - 2.56	0.13 - 1.07	1.52 - 1.95	0.05 - 0.85	0.11 - 0.64	1.52 - 2.39	0.1 - 0.94	1.52 - 2.69	0.05 - 1.7
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																				
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Toluene	6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	0.043	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Ethylbenzene	1.6	0.02	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	0.037	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.04	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	0.03	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	0.068	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.04	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Petroleum Hydrocarbons (PHCs)																				
PHC F1 (C6-C10)	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	< 10	< 10	18	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F3 (C16-C34)	1300	50	< 50	< 50	< 50	< 50	67	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PHC F4 (C34-C50)	5600	50	< 50	< 50	< 50	< 50	180	< 50	< 50	< 50	< 50	< 50	110	< 50	59	< 50	< 50	< 50	< 50	< 50
Reached baseline at C50?	NA	-	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Volatile Organic Compounds (VOCs)																				
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.1	< 0.050	< 0.050	0.19	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW103		MW104		MW105		MW106		MW107		MW108		MW109	MW110D		MW111		MW112
Sample ID			MW103-1	MW103-2	MW104-2	MW104-3	MW105-1	MW105-3	MW106-1	MW106-2	MW107-1	MW107-2	MW108-1	MW108-2	MW109-1_20130702	MW110-1	MW110-2	MW111-1	MW111-2	MW112-1_20130702
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			17-Jun-13	17-Jun-13	17-Jun-13	17-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	2-Jul-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	2-Jul-13
Soil Sample Depth (m)			0.13 - 0.97	1.54 - 2.21	0.66 - 1.32	1.52 - 2.64	0.1 - 0.57	1.5 - 2.25	0.08 - 0.84	1.52 - 1.82	0.1 - 1.09	1.52 - 2.56	0.13 - 1.07	1.52 - 1.95	0.05 - 0.85	0.11 - 0.64	1.52 - 2.39	0.1 - 0.94	1.52 - 2.69	0.05 - 1.7
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	29	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.045	< 0.0050	< 0.0050	< 0.0050	0.093	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Acenaphthylene	0.17	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.0094	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Anthracene	0.74	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.13	< 0.0050	< 0.0050	< 0.0050	0.14	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.009	< 0.0050	< 0.0050
Benzo(a)anthracene	0.63	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.26	< 0.0050	< 0.0050	< 0.0050	0.38	< 0.0050	< 0.050	< 0.0050	0.0098	< 0.0050	< 0.0050	0.023	< 0.0050	< 0.0050
Benzo(a)pyrene	0.3	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.23	< 0.0050	< 0.0050	< 0.0050	**0.34**	< 0.0050	< 0.050	< 0.0050	0.0085	< 0.0050	< 0.0050	0.019	< 0.0050	< 0.0050
Benzo(b/j)fluoranthene	0.78	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.25	< 0.0050	< 0.0050	< 0.0050	0.51	< 0.0050	< 0.050	< 0.0050	0.01	< 0.0050	< 0.0050	0.024	< 0.0050	< 0.0050
Benzo(ghi)perylene	7.8	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.16	< 0.0050	< 0.0050	< 0.0050	0.26	< 0.0050	< 0.050	< 0.0050	0.006	< 0.0050	< 0.0050	0.011	< 0.0050	< 0.0050
Benzo(k)fluoranthene	0.78	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.1	< 0.0050	< 0.0050	< 0.0050	0.16	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0089	< 0.0050	< 0.0050
Chrysene	7.8	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.2	< 0.0050	< 0.0050	0.0063	0.36	< 0.0050	< 0.050	< 0.0050	0.0087	< 0.0050	< 0.0050	0.019	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.1	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.04	< 0.0050	< 0.0050	< 0.0050	0.071	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Fluoranthene	0.69	0.005	0.0077	< 0.0050	< 0.0050	< 0.0050	0.58	< 0.0050	< 0.0050	< 0.0050	**1.1**	0.0064	0.07	< 0.0050	0.022	< 0.0050	< 0.0050	0.046	< 0.0050	< 0.0050
Fluorene	69	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.045	< 0.0050	< 0.0050	< 0.0050	0.074	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0065	< 0.0050	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.14	< 0.0050	< 0.0050	< 0.0050	0.27	< 0.0050	< 0.050	< 0.0050	0.006	< 0.0050	< 0.0050	0.012	< 0.0050	< 0.0050
1-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.0085	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
2-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.0086	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Naphthalene	0.75	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050	< 0.0050	0.0088	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Phenanthrene	7.8	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.35	< 0.0050	< 0.0050	0.015	0.71	0.013	0.089	< 0.0050	0.0084	< 0.0050	< 0.0050	0.035	< 0.0050	< 0.0050
Pyrene	78	0.005	0.0057	< 0.0050	< 0.0050	< 0.0050	0.45	< 0.0050	0.0061	< 0.0050	0.75	< 0.0050	0.056	< 0.0050	0.02	< 0.0050	< 0.0050	0.038	< 0.0050	< 0.0050
1&2-Methylnaphthalene	3.4	0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.035	< 0.0071	< 0.0071	< 0.0071	0.017	< 0.0071	< 0.071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																				
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW103		MW104		MW105		MW106		MW107		MW108		MW109	MW110D		MW111		MW112
Sample ID			MW103-1	MW103-2	MW104-2	MW104-3	MW105-1	MW105-3	MW106-1	MW106-2	MW107-1	MW107-2	MW108-1	MW108-2	MW109-1_20130702	MW110-1	MW110-2	MW111-1	MW111-2	MW112-1_20130702
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			17-Jun-13	17-Jun-13	17-Jun-13	17-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	2-Jul-13	18-Jun-13	18-Jun-13	18-Jun-13	18-Jun-13	2-Jul-13
Soil Sample Depth (m)			0.13 - 0.97	1.54 - 2.21	0.66 - 1.32	1.52 - 2.64	0.1 - 0.57	1.5 - 2.25	0.08 - 0.84	1.52 - 1.82	0.1 - 1.09	1.52 - 2.56	0.13 - 1.07	1.52 - 1.95	0.05 - 0.85	0.11 - 0.64	1.52 - 2.39	0.1 - 0.94	1.52 - 2.69	0.05 - 1.7
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)																				
Total PCB	0.35	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Metals																				
Barium	390	0.5	17	23	30	47	30	28	44	34	65	8.1	33	25	27	13	38	22	21	110
Beryllium	5	0.2	< 0.20	0.52	0.4	0.64	0.31	0.96	0.54	0.93	0.36	< 0.20	< 0.20	0.88	0.36	< 0.20	0.9	0.25	0.88	0.91
Boron (Total)	120	5	< 5.0	6.2	< 5.0	5.4	9.6	10	7.6	10	6.6	< 5.0	16	9.3	14	< 5.0	8.2	< 5.0	9	< 5.0
Cadmium	1.2	0.1	< 0.10	< 0.10	0.1	0.14	0.25	< 0.10	< 0.10	< 0.10	0.44	< 0.10	**1.3**	< 0.10	**12**	< 0.10	< 0.10	< 0.10	< 0.10	0.16
Chromium (total)	160	1	5	13	12	17	15	25	14	25	11	6	2.8	26	15	5.3	23	7.1	22	16
Cobalt	22	0.1	2.4	6.9	8.3	10	5.7	16	8.1	18	7.6	3.5	2.4	19	6.8	3.3	16	3.5	15	9.1
Copper	180	0.5	12	32	29	88	33	**280**	110	**610**	60	29	8.8	180	27	12	**200**	30	150	100
Lead	120	1	3.8	4.4	12	11	12	4.3	7	3.8	26	3	36	3	55	3.3	3.6	5.7	2.3	9.7
Molybdenum	6.9	0.5	< 0.50	0.79	< 0.50	1.3	3.1	1.4	0.94	1.4	**260**	**42**	1.5	1.1	2.4	1.6	0.57	< 0.50	< 0.50	1.7
Nickel	130	0.5	5.6	17	17	21	14	36	20	36	16	7	5.9	38	16	6.4	33	9.4	33	20
Silver	25	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.3	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Thallium	1	0.05	< 0.050	< 0.050	0.072	0.078	0.064	0.067	0.18	0.068	0.1	< 0.050	0.11	0.088	0.11	< 0.050	0.082	< 0.050	0.064	0.067
Uranium	23	0.05	0.31	0.59	0.34	0.59	0.47	0.92	0.78	0.61	0.44	0.26	0.75	0.86	0.94	0.26	0.62	0.29	0.56	1.2
Vanadium	86	5	9.3	20	20	22	15	29	20	26	15	9.6	< 5.0	27	14	10	28	12	24	30
Zinc	340	5	14	34	46	79	98	74	38	72	260	19	320	77	160	17	68	23	69	50
Hydride-Forming Metals																				
Antimony	7.5	0.2	< 0.20	0.21	< 0.20	< 0.20	0.4	< 0.20	0.26	0.22	0.75	< 0.20	0.28	< 0.20	2.8	< 0.20	< 0.20	< 0.20	< 0.20	0.27
Arsenic	18	0.2	1.9	3.8	5.3	5.2	6	7.9	3.9	18	6.8	1.8	9.4	10	9.5	1.9	9.1	2.8	5	6
Selenium	2.4	0.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																				
Boron (hot water soluble)	1.5	0.05	0.14	0.087	0.11	0.3	0.15	0.25	0.13	0.21	0.089	0.2	0.12	0.26	0.18	0.053	0.2	0.1	0.3	0.31
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.5	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.46	0.29	< 0.050	< 0.050	0.099	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	<0.000023	<0.000028	-	-	-	-	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	0.35	0.15	0.46	0.43	0.48	0.23	**2.6**	0.45	**2.3**	**0.82**	0.32	0.58	**0.86**	0.099	0.21	0.26	0.38	**2.6**
Sodium Adsorption Ratio (unitless)	5	-	0.36	0.43	0.42	0.65	**8.3**	**5.3**	**57**	**23**	0.27	4.2	0.55	3.7	**13**	0.43	0.6	0.32	1.2	**19**
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.36	7.7	**10.1**	7.76	7.69	7.81	7.79	7.87	7.78	7.91	8.82	7.77	7.9	7.97	7.7	7.75	7.75	6.97

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW114			MW115	MW116	MW117	MW118	MW119D		MW120	MW121	MW122	MW123		MW124		MW125	
Sample ID			MW114-1	MW114-2	MW114-3	MW115-1	MW116-1	MW117-1	MW118-1	MW119-1	MW119-2	MW120-1	MW121-1	MW122-1	MW123-1	MW123-2	MW124-1	MW124-2	MW125-1	MW125-2
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			3-Jul-13	3-Jul-13	3-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	5-Jul-13	5-Jul-13	5-Jul-13	5-Jul-13	8-Jul-13	8-Jul-13	8-Jul-13	8-Jul-13
Soil Sample Depth (m)			0.07 - 0.61	2 - 2.5	2.5 - 2.85	0.2 - 0.8	0.2 - 0.9	0 - 0.7	0.16 - 0.75	0.12 - 0.92	3.5 - 3.95	0 - 0.7	0.18 - 1.04	0 - 0.92	0.17 - 0.62	3.05 - 3.75	0.2 - 1.22	1.6 - 2.4	0 - 0.76	2.28 - 2.6
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																				
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020
Toluene	6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.055	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020
Ethylbenzene	1.6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.034	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.041	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.05	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.091	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020
Petroleum Hydrocarbons (PHCs)																				
PHC F1 (C6-C10)	65	5	< 10	21	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10
PHC F1 (C6-C10) - BTEX	65	5	< 10	21	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F3 (C16-C34)	1300	50	500	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PHC F4 (C34-C50)	5600	50	1100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Reached baseline at C50?	NA	-	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Volatile Organic Compounds (VOCs)																				
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.060	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.080	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	0.11	< 0.050	< 0.050	< 0.050	< 0.050	0.09	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.040	< 0.020
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW114			MW115	MW116	MW117	MW118	MW119D		MW120	MW121	MW122	MW123		MW124		MW125	
Sample ID			MW114-1	MW114-2	MW114-3	MW115-1	MW116-1	MW117-1	MW118-1	MW119-1	MW119-2	MW120-1	MW121-1	MW122-1	MW123-1	MW123-2	MW124-1	MW124-2	MW125-1	MW125-2
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			3-Jul-13	3-Jul-13	3-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	5-Jul-13	5-Jul-13	5-Jul-13	5-Jul-13	8-Jul-13	8-Jul-13	8-Jul-13	8-Jul-13
Soil Sample Depth (m)			0.07 - 0.61	2 - 2.5	2.5 - 2.85	0.2 - 0.8	0.2 - 0.9	0 - 0.7	0.16 - 0.75	0.12 - 0.92	3.5 - 3.95	0 - 0.7	0.18 - 1.04	0 - 0.92	0.17 - 0.62	3.05 - 3.75	0.2 - 1.22	1.6 - 2.4	0 - 0.76	2.28 - 2.6
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	29	0.005	0.35	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.016	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	0.013	< 0.0050
Acenaphthylene	0.17	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050
Anthracene	0.74	0.005	**1.3**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.0061	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0095	< 0.010	0.026	< 0.0050
Benzo(a)anthracene	0.63	0.005	**3.7**	0.0055	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.016	< 0.0050	< 0.0050	0.011	0.019	< 0.0050	0.017	< 0.010	0.14	< 0.0050
Benzo(a)pyrene	0.3	0.005	**3.2**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.024	< 0.0050	< 0.0050	0.011	0.017	< 0.0050	0.013	< 0.010	0.11	< 0.0050
Benzo(b/j)fluoranthene	0.78	0.005	**4**	< 0.0050	< 0.0050	0.0067	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.027	< 0.0050	< 0.0050	0.015	0.028	< 0.0050	0.021	< 0.010	0.18	< 0.0050
Benzo(ghi)perylene	7.8	0.005	1.8	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.028	< 0.0050	< 0.0050	0.0065	0.0093	< 0.0050	0.012	< 0.010	0.079	< 0.0050
Benzo(k)fluoranthene	0.78	0.005	**1.6**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.011	< 0.0050	< 0.0050	0.0052	0.0095	< 0.0050	0.0067	< 0.010	0.057	< 0.0050
Chrysene	7.8	0.005	3.1	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.015	< 0.0050	< 0.0050	0.0095	0.019	< 0.0050	0.016	< 0.010	0.14	< 0.0050
Dibenz(a,h)anthracene	0.1	0.005	**0.55**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	0.02	< 0.0050
Fluoranthene	0.69	0.005	**6.6**	0.077	0.0058	0.0087	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.051	< 0.0050	< 0.0050	0.025	0.033	< 0.0050	0.037	< 0.010	0.33	< 0.0050
Fluorene	69	0.005	0.45	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.015	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	0.011	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	**2**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.024	< 0.0050	< 0.0050	0.007	0.0093	< 0.0050	0.011	< 0.010	0.097	< 0.0050
1-Methylnaphthalene	3.4	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.031	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050
2-Methylnaphthalene	3.4	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.034	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0057	< 0.010	< 0.0050	< 0.0050
Naphthalene	0.75	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.018	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050
Phenanthrene	7.8	0.005	3.5	< 0.0050	< 0.0050	0.005	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.047	< 0.0050	< 0.0050	0.015	0.012	< 0.0050	0.023	< 0.010	0.17	< 0.0050
Pyrene	78	0.005	4.9	0.039	< 0.0050	0.0067	< 0.0050	< 0.010	< 0.0050	< 0.0050	0.057	< 0.0050	< 0.0050	0.019	0.028	< 0.0050	0.03	< 0.010	0.26	< 0.0050
1&2-Methylnaphthalene	3.4	0.0071	< 0.071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.014	< 0.0071	< 0.0071	0.065	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.014	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																				
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW114			MW115	MW116	MW117	MW118	MW119D		MW120	MW121	MW122	MW123		MW124		MW125	
Sample ID			MW114-1	MW114-2	MW114-3	MW115-1	MW116-1	MW117-1	MW118-1	MW119-1	MW119-2	MW120-1	MW121-1	MW122-1	MW123-1	MW123-2	MW124-1	MW124-2	MW125-1	MW125-2
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			3-Jul-13	3-Jul-13	3-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	4-Jul-13	5-Jul-13	5-Jul-13	5-Jul-13	5-Jul-13	8-Jul-13	8-Jul-13	8-Jul-13	8-Jul-13
Soil Sample Depth (m)			0.07 - 0.61	2 - 2.5	2.5 - 2.85	0.2 - 0.8	0.2 - 0.9	0 - 0.7	0.16 - 0.75	0.12 - 0.92	3.5 - 3.95	0 - 0.7	0.18 - 1.04	0 - 0.92	0.17 - 0.62	3.05 - 3.75	0.2 - 1.22	1.6 - 2.4	0 - 0.76	2.28 - 2.6
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)																				
Total PCB	0.35	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.02	< 0.010	< 0.010	< 0.010
Metals																				
Barium	390	0.5	73	6.3	18	52	7.5	150	16	16	72	73	37	55	48	21	14	31	97	36
Beryllium	5	0.2	0.83	< 0.20	0.84	1	< 0.20	0.97	< 0.20	0.24	0.88	0.58	0.32	0.65	0.22	0.83	< 0.20	1.1	0.85	0.79
Boron (Total)	120	5	11	< 5.0	9.5	12	< 5.0	5.1	< 5.0	< 5.0	7.4	6.2	< 5.0	6.2	< 5.0	6.6	< 5.0	8.9	8.1	< 5.0
Cadmium	1.2	0.1	**4.8**	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.14	0.13	0.17	< 0.10	0.15	< 0.10	< 0.10	0.12	< 0.10	0.35	< 0.10
Chromium (total)	160	1	16	3.5	22	22	3.4	21	4.6	5.5	27	15	8.8	16	7.6	23	4.9	24	20	20
Cobalt	22	0.1	10	2.2	16	15	1.7	9.5	2.6	2.9	12	7.6	5.4	8.9	4.8	16	2.4	15	12	13
Copper	180	0.5	140	13	120	**230**	8.6	64	10	19	120	29	48	100	23	180	12	140	71	91
Lead	120	1	**180**	3.2	3.1	9.5	2.8	8.5	3.1	8	9.9	19	5.6	12	7.2	2.3	6.3	2.4	20	3.2
Molybdenum	6.9	0.5	4.1	< 0.50	0.55	1.1	< 0.50	1.5	< 0.50	< 0.50	3	1	0.52	0.95	< 0.50	< 0.50	< 0.50	< 0.50	1.3	< 0.50
Nickel	130	0.5	24	4.8	35	34	4	26	5.1	9.6	27	16	12	20	9.1	35	5.5	34	26	29
Silver	25	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Thallium	1	0.05	0.081	< 0.050	0.054	0.053	< 0.050	0.062	< 0.050	< 0.050	0.07	0.053	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.075
Uranium	23	0.05	0.87	0.45	0.58	1.1	0.19	1.4	0.26	0.26	1.1	0.82	0.45	0.8	0.3	0.73	0.24	0.66	1.1	0.44
Vanadium	86	5	21	7.8	25	31	6.7	32	9.5	12	31	24	17	26	13	27	9.7	27	30	27
Zinc	340	5	70	13	72	86	9.7	49	14	50	69	84	24	49	30	76	16	70	120	60
Hydride-Forming Metals																				
Antimony	7.5	0.2	4.5	< 0.20	< 0.20	0.37	< 0.20	0.41	< 0.20	0.22	0.35	0.39	< 0.20	0.23	< 0.20	< 0.20	< 0.20	< 0.20	0.45	< 0.20
Arsenic	18	0.2	8.2	2	7.9	9.7	1.8	5.7	1.9	2.4	4.4	4.6	3.7	4.4	3.2	7.1	1.4	8.7	6.4	6.4
Selenium	2.4	0.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.51	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																				
Boron (hot water soluble)	1.5	0.05	**3.4**	0.13	0.35	0.14	0.057	0.29	< 0.050	0.096	0.67	0.27	0.11	0.39	0.076	0.2	0.13	0.3	0.18	0.17
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	**15**	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.29	< 0.050	< 0.050	0.069	< 0.050	< 0.050	< 0.050	0.14	< 0.050	0.11	< 0.050
Methyl Mercury	0.0094	0.00001	0.000209	-	-	-	-	-	-	<0.000057	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	**1.1**	0.3	0.51	0.26	0.21	0.34	0.074	0.093	0.32	0.24	0.21	0.31	0.28	0.17	0.16	**1.2**	0.3	0.68
Sodium Adsorption Ratio (unitless)	5	-	**15**	0.79	**5.5**	1.1	0.27	1.5	0.45	0.39	0.97	0.51	0.49	1.6	0.38	1.2	0.73	4.4	**6.8**	**9.2**
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.42	7.7	7.62	7.64	7.96	7.04	7.98	7.7	7.29	7.34	7.56	7.46	**11.3**	7.7	-	7.64	7.59	7.06

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW126		MW127	MW128	MW129			MW130			MW131			MW132D		
Sample ID			MW126-1	MW126-2	MW127-1	MW128-1	MW129 SA1A	MW129 SA1B	MW129 SA2A	MW130 SA1	MW130 SA2	MW130 SA3	MW131 SA1A	MW131 SA1B	MW131 SA2	MW132-SA1	DUP 3	MW132-SA2B
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	2-Aug-13	2-Aug-13	2-Aug-13
Soil Sample Depth (m)			0.1 - 0.35	1.52 - 1.8	0.1 - 0.45	0.2 - 0.85	0.07 - 0.3	0.3 - 1.14	1.52 - 2.46	0.05 - 0.64	1.52 - 2.08	3.05 - 3.35	0.2 - 0.5	0.66 - 0.99	1.52 - 2.14	0.05 - 1.02	Field Duplicate of MW132-SA1	1.63 - 2.24
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																		
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Toluene	6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Ethylbenzene	1.6	0.02	0.026	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Petroleum Hydrocarbons (PHCs)																		
PHC F1 (C6-C10)	65	5	61	43	< 10	< 10	-	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	61	43	< 10	< 10	-	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10
PHC F2 (C10-C16)	150	7	83	150	< 10	< 10	-	< 10	< 10	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10
PHC F3 (C16-C34)	1300	50	210	89	< 50	< 50	-	< 50	< 50	< 50	< 50	-	< 50	< 50	< 50	< 50	< 50	< 50
PHC F4 (C34-C50)	5600	50	230	< 50	< 50	< 50	-	< 50	< 50	< 50	< 50	-	< 50	< 50	< 50	< 50	< 50	< 50
Reached baseline at C50?	NA	-	No	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes
Volatile Organic Compounds (VOCs)																		
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	-	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	-	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.30	< 0.30	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	**0.53**	< 0.050	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW126		MW127	MW128	MW129			MW130			MW131			MW132D		
Sample ID			MW126-1	MW126-2	MW127-1	MW128-1	MW129 SA1A	MW129 SA1B	MW129 SA2A	MW130 SA1	MW130 SA2	MW130 SA3	MW131 SA1A	MW131 SA1B	MW131 SA2	MW132-SA1	DUP 3	MW132-SA2B
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	2-Aug-13	2-Aug-13	2-Aug-13
Soil Sample Depth (m)			0.1 - 0.35	1.52 - 1.8	0.1 - 0.45	0.2 - 0.85	0.07 - 0.3	0.3 - 1.14	1.52 - 2.46	0.05 - 0.64	1.52 - 2.08	3.05 - 3.35	0.2 - 0.5	0.66 - 0.99	1.52 - 2.14	0.05 - 1.02	Field Duplicate of MW132-SA1	1.63 - 2.24
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polycyclic Aromatic Hydrocarbons																		
Acenaphthene	29	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Acenaphthylene	0.17	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Anthracene	0.74	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(a)anthracene	0.63	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(a)pyrene	0.3	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(b/j)fluoranthene	0.78	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(ghi)perylene	7.8	0.005	< 0.050	< 0.0050	0.0055	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Benzo(k)fluoranthene	0.78	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Chrysene	7.8	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.1	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Fluoranthene	0.69	0.005	< 0.050	0.0058	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Fluorene	69	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
1-Methylnaphthalene	3.4	0.005	< 0.050	0.021	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
2-Methylnaphthalene	3.4	0.005	< 0.050	0.023	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Naphthalene	0.75	0.005	< 0.050	0.064	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.007
Phenanthrene	7.8	0.005	< 0.050	0.008	< 0.0050	< 0.0050	-	< 0.0050	0.0076	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	0.0097	< 0.0050	< 0.0050	0.01
Pyrene	78	0.005	< 0.050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
1&2-Methylnaphthalene	3.4	0.0071	< 0.071	0.044	< 0.0071	< 0.0071	-	< 0.0071	< 0.0071	< 0.0071	< 0.0071	-	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																		
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW126		MW127	MW128	MW129			MW130			MW131			MW132D		
Sample ID			MW126-1	MW126-2	MW127-1	MW128-1	MW129 SA1A	MW129 SA1B	MW129 SA2A	MW130 SA1	MW130 SA2	MW130 SA3	MW131 SA1A	MW131 SA1B	MW131 SA2	MW132-SA1	DUP 3	MW132-SA2B
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			15-Jul-13	15-Jul-13	15-Jul-13	15-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	2-Aug-13	2-Aug-13	2-Aug-13
Soil Sample Depth (m)			0.1 - 0.35	1.52 - 1.8	0.1 - 0.45	0.2 - 0.85	0.07 - 0.3	0.3 - 1.14	1.52 - 2.46	0.05 - 0.64	1.52 - 2.08	3.05 - 3.35	0.2 - 0.5	0.66 - 0.99	1.52 - 2.14	0.05 - 1.02	Field Duplicate of MW132-SA1	1.63 - 2.24
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)																		
Total PCB	0.35	0.01	< 0.010	< 0.010	< 0.010	< 0.010	-	< 0.010	< 0.010	< 0.010	< 0.010	-	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Metals																		
Barium	390	0.5	21	39	66	76	16	33	23	32	11	-	49	21	21	70	88	18
Beryllium	5	0.2	< 0.20	0.92	0.66	0.71	< 0.20	0.69	0.99	< 0.20	< 0.20	-	0.56	0.78	0.95	0.94	0.78	0.77
Boron (Total)	120	5	12	9.2	< 5.0	< 5.0	13	9.6	11	< 5.0	< 5.0	-	7.8	11	12	9.6	7.4	13
Cadmium	1.2	0.1	0.55	< 0.10	< 0.10	< 0.10	0.57	< 0.10	< 0.10	< 0.10	< 0.10	-	< 0.10	< 0.10	< 0.10	0.15	0.54	< 0.10
Chromium (total)	160	1	7.9	23	16	18	5.5	21	26	5.5	6.5	-	15	19	25	27	32	22
Cobalt	22	0.1	2.7	16	11	12	3.2	11	18	3	2.5	-	8	14	17	13	11	14
Copper	180	0.5	41	**330**	40	22	14	63	**270**	17	11	-	92	130	**310**	150	140	100
Lead	120	1	23	3.3	7.9	7.7	38	6.1	3	6.5	6.4	-	5.7	2.4	4.3	22	60	5.2
Molybdenum	6.9	0.5	2.2	< 0.50	1.1	0.91	4.5	1.7	0.88	< 0.50	< 0.50	-	**7**	4.9	1.7	1.3	1.1	1
Nickel	130	0.5	7.6	35	23	22	7.5	28	38	6.3	5.4	-	19	28	36	31	25	32
Silver	25	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	-	< 0.20	< 0.20	< 0.20	< 0.20	0.48	< 0.20
Thallium	1	0.05	0.07	0.088	0.052	0.059	0.099	0.062	0.071	< 0.050	< 0.050	-	0.068	0.083	0.1	0.085	0.087	0.06
Uranium	23	0.05	0.57	0.92	0.88	0.93	1.2	1.3	0.62	0.3	0.31	-	0.56	0.85	0.76	1.1	0.96	2.3
Vanadium	86	5	12	25	26	24	< 5.0	27	27	11	16	-	22	23	27	32	29	27
Zinc	340	5	230	73	44	46	120	60	78	32	19	-	39	60	76	71	91	66
Hydride-Forming Metals																		
Antimony	7.5	0.2	0.46	< 0.20	0.41	0.35	0.41	0.31	< 0.20	< 0.20	< 0.20	-	0.33	< 0.20	0.21	0.46	0.58	0.31
Arsenic	18	0.2	4.4	7.6	6.5	4.8	8.2	4.8	9	3.1	2.7	-	3.9	4.7	6	6.2	6.8	4.5
Selenium	2.4	0.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																		
Boron (hot water soluble)	1.5	0.05	0.12	0.18	0.11	0.093	0.078	0.12	0.3	0.11	0.071	-	0.23	0.26	0.34	0.18	0.2	0.52
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.06	-	< 0.050	< 0.050	< 0.050	0.1	0.25	< 0.050
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	0.5	**0.76**	**2**	0.58	0.41	**0.88**	0.19	0.32	0.3	-	0.52	0.31	0.25	0.27	0.3	0.15
Sodium Adsorption Ratio (unitless)	5	-	4.6	**9.2**	**21**	0.5	2	1.7	2.9	0.41	0.5	-	2.6	2.6	1.8	0.83	0.74	1.4
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.51	7.99	7.12	7.21	8.09	7.92	7.75	8.02	7.92	-	7.76	7.81	7.9	7.65	7.57	7.86

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW133		MW134		MW135	MW136		MW137	MW138		MW139	MW141		MW144	
Sample ID			MW133-SA1B	MW133-SA2	MW134-1	MW134-2	MW135-1	MW136-1	MW136-2	MW137-1	MW138-1	MW138-2	MW139-1	MW141-2	MW141-3	MW144 SA3	MW144 SA4(2)
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			2-Aug-13	2-Aug-13	6-Aug-13	6-Aug-13	6-Aug-13	13-Aug-13	13-Aug-13	15-Aug-13	15-Aug-13	15-Aug-13	19-Aug-13	1-Oct-13	2-Oct-13	2-Oct-13	2-Oct-13
Soil Sample Depth (m)			0.18 - 1.07	1.52 - 2.29	0.1 - 0.7	2 - 2.6	0 - 0.55	1.3 - 1.5	2.14 - 2.44	0.85 - 1.1	0.7 - 1.22	2.55 - 2.93	0.7 - 0.92	0.8 - 1.3	1.6 - 1.8	1.5 - 2.3	2.3 - 2.9
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																	
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Toluene	6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Ethylbenzene	1.6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Petroleum Hydrocarbons (PHCs)																	
PHC F1 (C6-C10)	65	5	< 10	< 10	< 10	< 10	< 10	24	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	< 10	< 10	< 10	< 10	< 10	24	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	< 10	< 10	< 10	< 10	14	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F3 (C16-C34)	1300	50	< 50	< 50	< 50	< 50	< 50	130	< 50	< 50	130	< 50	57	< 50	< 50	< 50	< 50
PHC F4 (C34-C50)	5600	50	< 50	< 50	< 50	< 50	< 50	270	< 50	< 50	81	< 50	96	< 50	< 50	< 50	< 50
Reached baseline at C50?	NA	-	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes
Volatile Organic Compounds (VOCs)																	
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.084	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW133		MW134		MW135	MW136		MW137	MW138		MW139	MW141		MW144	
Sample ID			MW133-SA1B	MW133-SA2	MW134-1	MW134-2	MW135-1	MW136-1	MW136-2	MW137-1	MW138-1	MW138-2	MW139-1	MW141-2	MW141-3	MW144 SA3	MW144 SA4(2)
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			2-Aug-13	2-Aug-13	6-Aug-13	6-Aug-13	6-Aug-13	13-Aug-13	13-Aug-13	15-Aug-13	15-Aug-13	15-Aug-13	19-Aug-13	1-Oct-13	2-Oct-13	2-Oct-13	2-Oct-13
Soil Sample Depth (m)			0.18 - 1.07	1.52 - 2.29	0.1 - 0.7	2 - 2.6	0 - 0.55	1.3 - 1.5	2.14 - 2.44	0.85 - 1.1	0.7 - 1.22	2.55 - 2.93	0.7 - 0.92	0.8 - 1.3	1.6 - 1.8	1.5 - 2.3	2.3 - 2.9
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polycyclic Aromatic Hydrocarbons																	
Acenaphthene	29	0.005	< 0.0050	< 0.0050	0.0089	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050	0.24	< 0.0050	< 0.050	< 0.0050	0.02	< 0.0050	< 0.0050
Acenaphthylene	0.17	0.005	< 0.0050	< 0.0050	0.0072	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050	0.0053	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Anthracene	0.74	0.005	< 0.0050	< 0.0050	0.071	< 0.0050	< 0.0050	< 0.025	< 0.0050	0.0057	0.51	< 0.0050	< 0.050	< 0.0050	0.061	< 0.0050	< 0.0050
Benzo(a)anthracene	0.63	0.005	< 0.0050	< 0.0050	0.61	< 0.0050	0.017	0.028	0.008	0.049	**1.6**	0.0071	< 0.050	< 0.0050	0.12	< 0.0050	< 0.0050
Benzo(a)pyrene	0.3	0.005	< 0.0050	< 0.0050	**0.52**	< 0.0050	0.015	0.026	0.0095	0.043	**1.5**	0.0073	< 0.050	< 0.0050	0.11	< 0.0050	< 0.0050
Benzo(b/j)fluoranthene	0.78	0.005	< 0.0050	< 0.0050	0.53	< 0.0050	0.021	0.042	0.012	0.13	**2**	0.011	< 0.050	< 0.0050	0.14	0.0068	< 0.0050
Benzo(ghi)perylene	7.8	0.005	< 0.0050	< 0.0050	0.25	< 0.0050	0.0091	0.028	0.01	0.073	0.76	0.0055	< 0.050	< 0.0050	0.058	< 0.0050	< 0.0050
Benzo(k)fluoranthene	0.78	0.005	< 0.0050	< 0.0050	0.2	< 0.0050	0.0073	< 0.025	< 0.0050	0.027	0.72	< 0.0050	< 0.050	< 0.0050	0.048	< 0.0050	< 0.0050
Chrysene	7.8	0.005	< 0.0050	< 0.0050	0.44	< 0.0050	0.017	0.027	0.0076	0.064	1.5	0.008	< 0.050	< 0.0050	0.098	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.1	0.005	< 0.0050	< 0.0050	0.056	< 0.0050	< 0.0050	< 0.025	< 0.0050	0.027	**0.22**	< 0.0050	< 0.050	< 0.0050	0.02	< 0.0050	< 0.0050
Fluoranthene	0.69	0.005	< 0.0050	< 0.0050	**1.2**	< 0.0050	0.043	0.06	0.015	0.033	**4.4**	0.017	< 0.050	< 0.0050	0.29	0.0078	< 0.0050
Fluorene	69	0.005	< 0.0050	< 0.0050	0.01	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050	0.27	< 0.0050	< 0.050	< 0.0050	0.02	< 0.0050	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	< 0.0050	< 0.0050	0.29	< 0.0050	0.0096	< 0.025	0.0083	0.061	**0.89**	0.0053	< 0.050	< 0.0050	0.063	< 0.0050	< 0.0050
1-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050	0.015	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
2-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	0.0059	0.016	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Naphthalene	0.75	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.025	< 0.0050	< 0.0050	0.015	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Phenanthrene	7.8	0.005	< 0.0050	< 0.0050	0.15	< 0.0050	0.023	0.045	0.0095	0.017	2.8	0.013	< 0.050	< 0.0050	0.19	0.0073	< 0.0050
Pyrene	78	0.005	< 0.0050	< 0.0050	1	< 0.0050	0.033	0.055	0.015	0.03	3	0.013	< 0.050	< 0.0050	0.22	0.0073	< 0.0050
1&2-Methylnaphthalene	3.4	0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.035	< 0.0071	< 0.0071	0.031	< 0.0071	< 0.071	< 0.0071	< 0.0071	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																	
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW133		MW134		MW135	MW136		MW137	MW138		MW139	MW141		MW144	
Sample ID			MW133-SA1B	MW133-SA2	MW134-1	MW134-2	MW135-1	MW136-1	MW136-2	MW137-1	MW138-1	MW138-2	MW139-1	MW141-2	MW141-3	MW144 SA3	MW144 SA4(2)
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			2-Aug-13	2-Aug-13	6-Aug-13	6-Aug-13	6-Aug-13	13-Aug-13	13-Aug-13	15-Aug-13	15-Aug-13	15-Aug-13	19-Aug-13	1-Oct-13	2-Oct-13	2-Oct-13	2-Oct-13
Soil Sample Depth (m)			0.18 - 1.07	1.52 - 2.29	0.1 - 0.7	2 - 2.6	0 - 0.55	1.3 - 1.5	2.14 - 2.44	0.85 - 1.1	0.7 - 1.22	2.55 - 2.93	0.7 - 0.92	0.8 - 1.3	1.6 - 1.8	1.5 - 2.3	2.3 - 2.9
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)																	
Total PCB	0.35	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.02	< 0.010	< 0.010	-	-	-	-
Metals																	
Barium	390	0.5	57	60	81	21	61	46	56	83	85	99	190	63	59	75	110
Beryllium	5	0.2	0.62	0.95	0.76	0.86	0.93	0.78	0.55	0.65	0.78	0.82	0.67	0.22	0.52	0.54	1
Boron (Total)	120	5	6.4	13	7.6	8.9	27	6.2	< 5.0	9.4	5.4	7.8	< 5.0	< 5.0	< 5.0	11	6.5
Cadmium	1.2	0.1	< 0.10	< 0.10	0.16	< 0.10	0.33	0.18	0.15	0.22	0.37	0.12	0.14	< 0.10	0.14	0.42	0.2
Chromium (total)	160	1	18	25	19	24	21	22	13	17	18	21	17	8.1	12	14	22
Cobalt	22	0.1	9.5	17	13	16	15	9.6	5.7	9.7	9.9	14	9.3	4.9	7.4	9.5	15
Copper	180	0.5	43	**240**	140	150	170	120	150	63	140	**380**	93	30	78	64	150
Lead	120	1	5.5	7.2	11	2.2	12	18	10	14	16	11	11	8.2	15	22	8.2
Molybdenum	6.9	0.5	0.78	1.5	0.67	< 0.50	0.59	0.75	1	1.3	0.73	0.52	1.4	< 0.50	1.1	1.2	0.73
Nickel	130	0.5	22	37	26	38	30	23	13	21	24	32	20	9.5	14	20	35
Silver	25	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Thallium	1	0.05	0.063	0.076	0.094	0.075	< 0.050	0.11	0.062	0.08	0.08	0.084	0.084	0.06	0.061	0.093	0.099
Uranium	23	0.05	0.6	1.2	0.63	0.58	0.6	0.8	0.8	0.87	1	0.54	1.3	0.34	0.7	0.55	0.59
Vanadium	86	5	26	33	24	27	26	36	20	31	26	27	29	14	19	20	28
Zinc	340	5	44	75	62	74	66	95	83	74	71	74	65	32	38	120	74
Hydride-Forming Metals																	
Antimony	7.5	0.2	0.3	0.45	0.26	< 0.20	0.49	0.33	0.27	0.44	3.1	0.3	0.2	< 0.20	0.2	0.48	0.24
Arsenic	18	0.2	3.9	9	9.6	8.8	9	8	4.1	7	6.1	8.1	6.4	3.6	5.2	7.5	8.9
Selenium	2.4	0.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.51	0.63	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																	
Boron (hot water soluble)	1.5	0.05	0.13	0.2	0.56	0.3	**11**	0.47	**1.9**	0.48	0.32	0.38	0.25	0.082	**1.8**	0.47	0.29
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.14	0.14	0.13	0.46	0.08	< 0.050	< 0.050	< 0.050	1.5	< 0.050
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	0.000553	-	-	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	0.26	0.19	0.21	0.24	0.28	0.27	0.27	**1**	0.57	0.39	0.52	0.13	0.46	**1.3**	**1.1**
Sodium Adsorption Ratio (unitless)	5	-	0.93	0.67	2.9	**5.1**	1.3	0.2	0.23	**23**	3.6	2.3	**16**	1.5	**7**	**5.1**	**8.7**
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.63	7.7	7.47	7.67	7.33	7.27	6.76	7.66	7.39	7.46	7.33	8.07	7.16	7.71	7.48

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID			MW145			MW148S				MW149		TP101		TP102			TP103		
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW145 SA3B	MW145 SA4A	MW145 SA5	MW148-S SA2B	MW148-S SA3	MW148-S SA4B	DUP-5	MW149-1	MW149-2	TP101-1	TP101-2	TP102-1	TP102-2	TP102-3	TP103-1	TP103-2	TP104-1
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			9-Oct-13	9-Oct-13	9-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	18-Nov-13	18-Nov-13	22-Jul-13	22-Jul-13	22-Jul-13	22-Jul-13	22-Jul-13	22-Jul-13	22-Jul-13	23-Jul-13
Soil Sample Depth (m)			1.68 - 2.13	2.29 - 2.53	3.05 - 3.47	0.82 - 1.37	1.52 - 1.98	2.35 - 2.74	Field Duplicate of MW148-S SA4B	1.2 - 1.5	2.4 - 3	0.3 - 0.85	1.4 - 1.75	0 - 0.5	0.5 - 1.2	1.2 - 1.55	0.5 - 1.1	1.1 - 1.4	0.3 - 0.8
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																			
Benzene	0.17	0.02	-	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Toluene	6	0.02	-	< 0.020	< 0.020	-	< 0.020	< 0.020	0.04	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Ethylbenzene	1.6	0.02	-	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	-	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
o-Xylene	NV	0.018	-	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Xylenes (Total)	25	0.02	-	< 0.020	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Petroleum Hydrocarbons (PHCs)																			
PHC F1 (C6-C10)	65	5	-	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	-	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F2 (C10-C16)	150	7	-	< 10	< 10	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F3 (C16-C34)	1300	50	-	140	< 50	-	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	99	< 50	< 50
PHC F4 (C34-C50)	5600	50	-	240	< 50	-	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	51	< 50	79	< 50	< 50
Reached baseline at C50?	NA	-	-	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes
Volatile Organic Compounds (VOCs)																			
Acetone	28	0.5	-	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromoform	0.26	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromomethane	0.05	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chloroform	0.18	0.04	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	-	< 0.050	< 0.050	-	< 0.050	0.6	0.71	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	-	< 0.030	< 0.030	-	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	-	< 0.040	< 0.040	-	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexane (n)	34	0.02	-	< 0.050	< 0.050	-	< 0.020	< 0.020	< 0.050	< 0.020	< 0.020	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	-	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	-	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Styrene	2.2	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	-	< 0.050	0.054	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	-	< 0.020	< 0.020	-	< 0.020	**0.3**	**0.25**	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	-	< 0.050	< 0.050	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.020	< 0.020	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID			MW145			MW148S				MW149		TP101		TP102			TP103		
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW145 SA3B	MW145 SA4A	MW145 SA5	MW148-S SA2B	MW148-S SA3	MW148-S SA4B	DUP-5	MW149-1	MW149-2	TP101-1	TP101-2	TP102-1	TP102-2	TP102-3	TP103-1	TP103-2	TP104-1
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			9-Oct-13	9-Oct-13	9-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	18-Nov-13	18-Nov-13	22-Jul-13	22-Jul-13	22-Jul-13	22-Jul-13	22-Jul-13	22-Jul-13	22-Jul-13	23-Jul-13
Soil Sample Depth (m)			1.68 - 2.13	2.29 - 2.53	3.05 - 3.47	0.82 - 1.37	1.52 - 1.98	2.35 - 2.74	Field Duplicate of MW148-S SA4B	1.2 - 1.5	2.4 - 3	0.3 - 0.85	1.4 - 1.75	0 - 0.5	0.5 - 1.2	1.2 - 1.55	0.5 - 1.1	1.1 - 1.4	0.3 - 0.8
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polycyclic Aromatic Hydrocarbons																			
Acenaphthene	29	0.005	-	0.011	< 0.0050	-	0.021	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.041	0.068	0.012	< 0.0050	0.019	0.39	< 0.0050	< 0.0050
Acenaphthylene	0.17	0.005	-	0.09	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0051	0.0059	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
Anthracene	0.74	0.005	-	0.15	< 0.0050	-	0.033	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.13	0.13	0.035	0.012	0.05	**0.88**	< 0.0050	< 0.0050
Benzo(a)anthracene	0.63	0.005	-	0.54	< 0.0050	-	0.085	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.35	0.53	0.12	0.028	0.13	**2**	< 0.0050	0.012
Benzo(a)pyrene	0.3	0.005	-	**0.5**	< 0.0050	-	0.084	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.24	**0.49**	0.11	0.025	0.11	**1.6**	< 0.0050	0.013
Benzo(b/j)fluoranthene	0.78	0.005	-	0.61	< 0.0050	-	0.098	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.3	0.68	0.16	0.036	0.16	**2.5**	< 0.0050	0.018
Benzo(ghi)perylene	7.8	0.005	-	0.24	< 0.0050	-	0.041	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.11	0.25	0.066	0.014	0.064	0.88	< 0.0050	0.01
Benzo(k)fluoranthene	0.78	0.005	-	0.25	< 0.0050	-	0.037	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.12	0.23	0.051	0.011	0.061	0.77	< 0.0050	0.0068
Chrysene	7.8	0.005	-	0.51	< 0.0050	-	0.071	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.27	0.45	0.11	0.025	0.11	1.6	< 0.0050	0.015
Dibenz(a,h)anthracene	0.1	0.005	-	0.068	< 0.0050	-	0.0098	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.027	0.052	0.014	< 0.0050	0.014	**0.22**	< 0.0050	< 0.0050
Fluoranthene	0.69	0.005	-	0.66	< 0.0050	-	0.23	< 0.0050	< 0.0050	< 0.0050	< 0.0050	**0.8**	**1.3**	0.28	0.062	0.34	**4.5**	< 0.0050	0.034
Fluorene	69	0.005	-	0.01	< 0.0050	-	0.016	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.033	0.057	0.011	< 0.0050	0.022	0.47	< 0.0050	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	-	0.3	< 0.0050	-	0.045	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.12	0.28	0.069	0.014	0.066	**0.93**	< 0.0050	0.0097
1-Methylnaphthalene	3.4	0.005	-	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0085	0.0099	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050
2-Methylnaphthalene	3.4	0.005	-	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0085	0.0092	< 0.0050	< 0.0050	0.051	< 0.0050	< 0.0050
Naphthalene	0.75	0.005	-	< 0.0050	< 0.0050	-	< 0.0050	0.024	0.031	< 0.0050	< 0.0050	< 0.0050	0.013	0.006	< 0.0050	0.0058	0.063	< 0.0050	< 0.0050
Phenanthrene	7.8	0.005	-	0.17	< 0.0050	-	0.15	0.02	0.028	< 0.0050	< 0.0050	0.46	0.79	0.16	0.048	0.25	3.3	0.01	0.022
Pyrene	78	0.005	-	0.56	< 0.0050	-	0.18	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.63	1	0.22	0.048	0.24	3.1	< 0.0050	0.028
1&2-Methylnaphthalene	3.4	0.0071	-	< 0.0071	< 0.0071	-	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	0.017	0.019	< 0.0071	< 0.0071	< 0.071	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																			
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW145			MW148S				MW149		TP101		TP102			TP103		
Sample ID			MW145 SA3B	MW145 SA4A	MW145 SA5	MW148-S SA2B	MW148-S SA3	MW148-S SA4B	DUP-5	MW149-1	MW149-2	TP101-1	TP101-2	TP102-1	TP102-2	TP102-3	TP103-1	TP103-2	TP104-1
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			9-Oct-13	9-Oct-13	9-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	18-Nov-13	18-Nov-13	22-Jul-13	22-Jul-13	22-Jul-13	22-Jul-13	22-Jul-13	22-Jul-13	22-Jul-13	23-Jul-13
Soil Sample Depth (m)			1.68 - 2.13	2.29 - 2.53	3.05 - 3.47	0.82 - 1.37	1.52 - 1.98	2.35 - 2.74	Field Duplicate of MW148-S SA4B	1.2 - 1.5	2.4 - 3	0.3 - 0.85	1.4 - 1.75	0 - 0.5	0.5 - 1.2	1.2 - 1.55	0.5 - 1.1	1.1 - 1.4	0.3 - 0.8
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)																			
Total PCB	0.35	0.01	-	-	-	-	-	-	-	-	-	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.084	< 0.010	< 0.010
Metals																			
Barium	390	0.5	15	-	25	52	-	17	18	85	86	70	110	81	53	220	75	73	71
Beryllium	5	0.2	< 0.20	-	0.65	0.56	-	0.79	0.81	0.9	0.71	0.73	0.67	0.53	0.74	0.65	0.46	0.67	< 0.20
Boron (Total)	120	5	5.3	-	7.3	5.9	-	9.7	9.8	7.6	6.1	5.7	9	7.1	8.5	14	9	10	7.2
Cadmium	1.2	0.1	0.57	-	< 0.10	0.19	-	< 0.10	< 0.10	0.1	< 0.10	0.49	0.32	**9.7**	0.61	0.19	**280**	< 0.10	**15**
Chromium (total)	160	1	3.1	-	19	13	-	25	27	28	21	17	18	14	19	18	12	18	6.9
Cobalt	22	0.1	1.2	-	13	7	-	17	19	17	12	10	11	9.2	12	12	6.9	13	4.9
Copper	180	0.5	4.7	-	130	95	-	150	150	46	33	130	36	68	130	21	81	26	35
Lead	120	1	44	-	2.8	31	-	2.3	2.5	11	11	11	18	18	15	11	54	7.4	**390**
Molybdenum	6.9	0.5	2.2	-	< 0.50	0.79	-	< 0.50	< 0.50	2	1.1	0.64	0.78	0.91	0.82	1.2	1.4	1.5	3.6
Nickel	130	0.5	4.8	-	28	16	-	38	40	34	29	22	25	20	27	27	16	26	10
Silver	25	0.2	< 0.20	-	< 0.20	< 0.20	-	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.29
Thallium	1	0.05	0.098	-	0.068	0.068	-	0.081	0.084	0.11	0.05	0.085	0.079	0.077	0.096	0.069	0.083	0.077	0.15
Uranium	23	0.05	0.75	-	0.93	0.62	-	0.73	0.76	0.89	0.74	1.1	0.72	0.83	0.77	0.68	0.6	0.63	0.85
Vanadium	86	5	6.4	-	22	20	-	28	29	32	28	22	27	21	24	27	18	24	10
Zinc	340	5	330	-	60	50	-	79	83	170	58	87	65	72	79	59	97	64	**8300**
Hydride-Forming Metals																			
Antimony	7.5	0.2	0.26	-	< 0.20	0.7	-	< 0.20	< 0.20	0.35	0.34	0.6	0.65	**9.2**	0.78	0.41	**270**	0.32	< 0.20
Arsenic	18	0.2	3.7	-	3.7	3.4	-	5.5	6.7	8.3	4.8	5.9	4.5	5.8	7	5.6	6	7.3	7.3
Selenium	2.4	0.2	< 0.50	-	< 0.50	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																			
Boron (hot water soluble)	1.5	0.05	0.11	-	0.28	0.99	-	0.56	0.56	0.45	0.3	0.38	0.33	0.38	0.35	0.5	0.79	0.51	< 0.050
Chromium VI	10	0.2	< 0.2	-	< 0.2	< 0.2	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	0.2	-	< 0.050	0.58	-	< 0.050	< 0.050	< 0.050	< 0.050	0.11	**3.6**	0.47	0.5	0.1	**9.6**	0.064	< 0.050
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	-	-	0.000543	0.000315	0.000071	-	0.00279	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	0.56	-	0.24	**2.1**	-	0.24	0.22	0.28	0.22	**1.1**	0.49	**0.92**	0.69	0.24	**1.1**	**0.73**	**0.97**
Sodium Adsorption Ratio (unitless)	5	-	0.13	-	1	**26**	-	3.8	3.8	0.77	0.88	4.9	1.4	2	0.77	0.62	0.59	1.3	0.39
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.85	-	7.91	7.42	-	8.16	8.19	6.12	7.49	7.48	7.42	7.51	7.54	7.7	7.33	7.64	7.79

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	TP104		TP105		TP106		TP107			TP108		TP109			TP110		TP111		
Sample ID			TPAD-1	TP104-2	TP105-1	TP105-2	TP106-1	TP106-2	TP107-1	TP107-2	TP107-3	TP108-1	TP108-2	TP109-1	TP109-2	TP109-3	TP110-1	TPR-1	TP111-1	TP111-2	TP111-3
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13
Soil Sample Depth (m)			Field Duplicate of TP104-1	0.8 - 0.9	0.1 - 0.85	0.85 - 1.03	0 - 0.2	0.2 - 0.45	0.09 - 0.4	0.4 - 0.95	1 - 1.45	0.09 - 0.35	0.35 - 0.75	0.07 - 0.2	0.3 - 1	1.85 - 2	1.4 - 1.55	Field Duplicate of TP110-1	0.5 - 0.85	1.4 - 1.65	1.7 - 1.9
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																					
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Toluene	6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.28	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.15	< 0.020	< 0.020
Ethylbenzene	1.6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.034	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.06	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.081	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.13	< 0.020	< 0.020
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.069	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.12	< 0.020	< 0.020
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.15	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.24	< 0.020	< 0.020
Petroleum Hydrocarbons (PHCs)																					
PHC F1 (C6-C10)	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	22	< 10	< 10
PHC F3 (C16-C34)	1300	50	< 50	< 50	< 50	< 50	< 50	< 50	490	310	< 50	< 50	< 50	130	89	< 50	< 50	89	230	< 50	< 50
PHC F4 (C34-C50)	5600	50	< 50	< 50	< 50	< 50	< 50	< 50	1400	83	< 50	92	< 50	< 50	< 50	< 50	< 50	130	< 50	< 50	< 50
Reached baseline at C50?	NA	-	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Volatile Organic Compounds (VOCs)																					
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.41	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.063	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	4.3	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	TP104		TP105		TP106		TP107			TP108		TP109			TP110		TP111		
Sample ID			TPAD-1	TP104-2	TP105-1	TP105-2	TP106-1	TP106-2	TP107-1	TP107-2	TP107-3	TP108-1	TP108-2	TP109-1	TP109-2	TP109-3	TP110-1	TPR-1	TP111-1	TP111-2	TP111-3
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13
Soil Sample Depth (m)			Field Duplicate of TP104-1	0.8 - 0.9	0.1 - 0.85	0.85 - 1.03	0 - 0.2	0.2 - 0.45	0.09 - 0.4	0.4 - 0.95	1 - 1.45	0.09 - 0.35	0.35 - 0.75	0.07 - 0.2	0.3 - 1	1.85 - 2	1.4 - 1.55	Field Duplicate of TP110-1	0.5 - 0.85	1.4 - 1.65	1.7 - 1.9
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	29	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.022	< 0.050	0.13	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.046	< 0.0050	4.3	0.023	0.89	< 0.0050	< 0.0050
Acenaphthylene	0.17	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.025	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.3	< 0.0050	< 0.25	< 0.0050	< 0.0050
Anthracene	0.74	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0084	0.055	< 0.050	0.52	0.0072	0.0061	< 0.0050	0.011	0.12	< 0.0050	6.3	0.066	2.1	< 0.0050	< 0.0050
Benzo(a)anthracene	0.63	0.005	0.0089	< 0.0050	< 0.0050	0.006	0.05	0.15	0.3	0.88	0.04	0.031	< 0.0050	0.049	0.39	< 0.0050	21	0.22	4.9	0.013	0.0083
Benzo(a)pyrene	0.3	0.005	0.009	< 0.0050	< 0.0050	0.0063	0.05	0.14	0.4	0.73	0.045	0.034	< 0.0050	0.052	0.27	< 0.0050	16	0.17	3.4	0.013	0.009
Benzo(b/j)fluoranthene	0.78	0.005	0.012	< 0.0050	< 0.0050	0.01	0.072	0.18	0.53	0.89	0.061	0.046	< 0.0050	0.075	0.34	< 0.0050	27	0.22	5.8	0.022	0.018
Benzo(ghi)perylene	7.8	0.005	0.0071	< 0.0050	< 0.0050	0.0057	0.038	0.09	0.41	0.41	0.032	0.029	< 0.0050	0.039	0.13	< 0.0050	11	0.092	2.2	0.0083	0.0069
Benzo(k)fluoranthene	0.78	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.026	0.062	0.2	0.35	0.023	0.017	< 0.0050	0.026	0.12	< 0.0050	11	0.077	1.9	0.0066	< 0.0050
Chrysene	7.8	0.005	0.009	< 0.0050	< 0.0050	0.0064	0.052	0.14	0.33	0.71	0.043	0.032	< 0.0050	0.05	0.29	< 0.0050	21	0.19	4.6	0.011	0.0084
Dibenz(a,h)anthracene	0.1	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.008	0.023	0.066	0.13	0.0075	0.0054	< 0.0050	0.0079	0.038	< 0.0050	2.5	0.023	0.5	< 0.0050	< 0.0050
Fluoranthene	0.69	0.005	0.02	< 0.0050	< 0.0050	0.014	0.1	0.36	0.65	1.7	0.099	0.076	< 0.0050	0.14	0.9	< 0.0050	61	0.46	13	0.032	0.016
Fluorene	69	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.021	< 0.050	0.26	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.05	< 0.0050	3.5	0.031	0.99	< 0.0050	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	0.0061	< 0.0050	< 0.0050	0.0055	0.037	0.093	0.35	0.44	0.033	0.026	< 0.0050	0.042	0.16	< 0.0050	12	0.11	2.3	0.0088	0.008
1-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0053	< 0.050	0.051	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0061	< 0.0050	< 1.3	0.012	< 0.25	< 0.0050	< 0.0050
2-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0059	< 0.050	0.048	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0066	< 0.0050	< 1.3	0.016	< 0.25	< 0.0050	< 0.0050
Naphthalene	0.75	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0076	< 0.050	0.075	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0065	< 0.0050	< 1.3	0.016	0.31	< 0.0050	< 0.0050
Phenanthrene	7.8	0.005	0.011	< 0.0050	< 0.0050	0.0073	0.047	0.28	0.29	1.5	0.054	0.043	< 0.0050	0.056	0.42	< 0.0050	47	0.2	11	0.017	0.0092
Pyrene	78	0.005	0.018	< 0.0050	< 0.0050	0.01	0.085	0.28	0.5	1.3	0.076	0.063	< 0.0050	0.11	0.64	< 0.0050	46	0.35	9.9	0.025	0.013
1&2-Methylnaphthalene	3.4	0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	0.011	< 0.071	0.1	< 0.0071	< 0.0071	< 0.0071	< 0.0071	0.013	< 0.0071	< 1.8	0.029	< 0.35	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																					
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	TP104		TP105		TP106		TP107			TP108		TP109			TP110		TP111		
Sample ID			TPAD-1	TP104-2	TP105-1	TP105-2	TP106-1	TP106-2	TP107-1	TP107-2	TP107-3	TP108-1	TP108-2	TP109-1	TP109-2	TP109-3	TP110-1	TPR-1	TP111-1	TP111-2	TP111-3
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	23-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13	24-Jul-13
Soil Sample Depth (m)			Field Duplicate of TP104-1	0.8 - 0.9	0.1 - 0.85	0.85 - 1.03	0 - 0.2	0.2 - 0.45	0.09 - 0.4	0.4 - 0.95	1 - 1.45	0.09 - 0.35	0.35 - 0.75	0.07 - 0.2	0.3 - 1	1.85 - 2	1.4 - 1.55	Field Duplicate of TP110-1	0.5 - 0.85	1.4 - 1.65	1.7 - 1.9
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)																					
Total PCB	0.35	0.01	-	< 0.010	-	-	-	-	-	0.072	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.01	< 0.010	< 0.010
Metals																					
Barium	390	0.5	61	54	39	58	69	72	80	73	200	12	130	15	89	52	78	72	77	170	63
Beryllium	5	0.2	< 0.20	1.2	< 0.20	0.65	0.32	0.66	0.46	0.76	0.76	< 0.20	0.8	< 0.20	1	0.94	0.75	0.71	0.61	0.73	0.56
Boron (Total)	120	5	6.9	13	7.7	< 5.0	5.8	7.6	11	8.7	14	8.5	11	12	9.4	7.7	8.7	8.2	6	13	< 5.0
Cadmium	1.2	0.1	**21**	< 0.10	**5.9**	0.86	0.24	0.24	0.61	0.24	0.12	**1.8**	< 0.10	0.45	**2.3**	< 0.10	0.51	0.37	1.2	0.11	0.14
Chromium (total)	160	1	6	26	6.1	14	9.3	18	14	20	22	4.2	21	2.3	19	24	17	16	14	21	11
Cobalt	22	0.1	4.4	18	4.3	9.1	4.4	12	4.7	12	13	1.4	13	4.1	13	17	11	10	7.3	12	4.6
Copper	180	0.5	33	**270**	27	**290**	25	63	19	150	9.7	7.4	26	19	**260**	**240**	170	**200**	60	16	43
Lead	120	1	**770**	8	**580**	20	17	28	31	26	12	**330**	11	46	**160**	4.4	53	48	50	16	12
Molybdenum	6.9	0.5	3.6	0.88	5.6	0.83	2	0.98	0.78	2.7	1.1	4.4	1.4	2.5	4.3	0.56	2.9	2.3	0.86	1.4	0.63
Nickel	130	0.5	9.5	39	9.1	16	9.5	23	11	26	30	5.2	29	8.1	48	37	30	27	16	26	10
Silver	25	0.2	0.4	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Thallium	1	0.05	0.2	0.11	0.2	0.097	0.06	0.1	0.082	0.079	0.081	0.14	0.088	0.14	0.14	0.098	0.12	0.12	0.088	0.086	0.081
Uranium	23	0.05	0.93	2.3	0.93	0.76	2.7	1.4	0.58	0.73	0.57	0.95	0.64	0.81	1.1	0.44	0.89	0.8	0.54	0.76	0.86
Vanadium	86	5	9.1	34	9.2	24	14	24	15	24	28	< 5.0	29	< 5.0	28	29	26	24	21	30	18
Zinc	340	5	**12000**	97	**3200**	160	66	99	190	67	73	**880**	66	180	93	72	77	75	84	65	33
Hydride-Forming Metals																					
Antimony	7.5	0.2	0.21	0.38	< 0.20	0.9	0.27	0.41	0.24	0.3	0.46	0.25	0.46	0.54	1.5	0.2	0.5	0.44	2	0.45	0.48
Arsenic	18	0.2	9.3	15	6	5.6	5	7.4	5.9	6.1	5.5	4.1	5.7	14	8.7	17	5.7	5.5	6.1	6.4	3.4
Selenium	2.4	0.2	< 0.50	1.4	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																					
Boron (hot water soluble)	1.5	0.05	0.061	0.14	0.052	0.53	0.32	0.2	0.48	0.84	0.4	0.053	0.19	0.1	**1.7**	0.23	**1.9**	**1.8**	0.22	0.42	1.2
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	< 0.050	< 0.050	< 0.050	0.29	0.067	0.41	< 0.050	1.6	< 0.050	< 0.050	0.14	0.051	0.94	< 0.050	0.28	0.24	0.75	< 0.050	< 0.050
Methyl Mercury	0.0094	0.00001	-	-	-	0.000293	-	0.000124	-	0.000067	-	-	-	-	0.00161	-	0.00153	-	0.000341	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	**1.4**	0.5	0.37	**0.96**	0.19	0.16	0.14	**1.4**	**0.79**	0.12	0.52	0.22	**2.5**	**1.4**	**1.5**	**1.3**	0.24	0.27	0.45
Sodium Adsorption Ratio (unitless)	5	-	0.34	2.9	**8**	**17**	0.22	0.26	0.31	**9.4**	**18**	0.32	**10**	1.9	**18**	2.1	4.8	4.4	4.2	**5.9**	**7.1**
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.78	7.55	7.88	7.36	7.23	7.44	8.15	7.67	7.77	8.28	7.63	8.11	7.21	6.82	7.05	7.3	7.42	7.45	6.53

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*		TP112		TP113		TP114	TP115		TP116		TP117		TP118	TP119		TP120		
Sample ID			TP111-4	TP112-1	TP112-2	TP113-2	TP113-3	TP114-1	TP115-1	TP115-2	TP116-1	TP116-2	TP117-1	TP117-2	TP118-1	TP119-2	TP119-3	TP120-1	TP120-2	TP120-3
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			24-Jul-13	24-Jul-13	24-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	26-Jul-13	26-Jul-13	26-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Soil Sample Depth (m)			1.9 - 2.1	0.3 - 0.6	1.5 - 1.7	1 - 1.3	1.6 - 1.75	0.15 - 0.8	0.15 - 0.5	0.9 - 1.25	0 - 0.23	0.23 - 0.55	0.5 - 0.75	1 - 1.4	0.2 - 1.4	0.2 - 0.6	0.6 - 1.7	0 - 0.2	0.55 - 0.8	1.25 - 1.4
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																				
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Toluene	6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.021	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Ethylbenzene	1.6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Petroleum Hydrocarbons (PHCs)																				
PHC F1 (C6-C10)	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F3 (C16-C34)	1300	50	< 50	54	< 50	< 50	< 50	79	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PHC F4 (C34-C50)	5600	50	< 50	57	< 50	< 50	< 50	64	< 50	< 50	< 50	< 50	< 50	64	< 50	< 50	< 50	< 50	< 50	< 50
Reached baseline at C50?	NA	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Volatile Organic Compounds (VOCs)																				
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.17	< 0.050	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.12	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*		TP112		TP113		TP114	TP115		TP116		TP117		TP118	TP119		TP120		
Sample ID			TP111-4	TP112-1	TP112-2	TP113-2	TP113-3	TP114-1	TP115-1	TP115-2	TP116-1	TP116-2	TP117-1	TP117-2	TP118-1	TP119-2	TP119-3	TP120-1	TP120-2	TP120-3
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			24-Jul-13	24-Jul-13	24-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	26-Jul-13	26-Jul-13	26-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Soil Sample Depth (m)			1.9 - 2.1	0.3 - 0.6	1.5 - 1.7	1 - 1.3	1.6 - 1.75	0.15 - 0.8	0.15 - 0.5	0.9 - 1.25	0 - 0.23	0.23 - 0.55	0.5 - 0.75	1 - 1.4	0.2 - 1.4	0.2 - 0.6	0.6 - 1.7	0 - 0.2	0.55 - 0.8	1.25 - 1.4
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	29	0.005	< 0.0050	0.026	< 0.0050	0.0064	< 0.0050	0.18	< 0.0050	< 0.0050	0.0057	< 0.0050	< 0.0050	< 0.050	0.033	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Acenaphthylene	0.17	0.005	< 0.0050	0.0053	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	0.0054	< 0.0050	< 0.0050	< 0.0050	0.031	< 0.0050
Anthracene	0.74	0.005	< 0.0050	0.069	0.013	0.027	< 0.0050	0.34	< 0.0050	< 0.0050	0.019	< 0.0050	< 0.0050	< 0.050	0.055	< 0.0050	< 0.0050	0.0078	0.37	< 0.0050
Benzo(a)anthracene	0.63	0.005	< 0.0050	0.27	0.057	0.087	0.006	**1.2**	< 0.0050	< 0.0050	0.12	< 0.0050	< 0.0050	0.062	0.17	0.016	0.0061	0.025	0.068	< 0.0050
Benzo(a)pyrene	0.3	0.005	< 0.0050	0.25	0.059	0.058	< 0.0050	**1.1**	< 0.0050	< 0.0050	0.11	< 0.0050	< 0.0050	0.061	0.15	0.019	0.0072	0.018	0.084	< 0.0050
Benzo(b/j)fluoranthene	0.78	0.005	< 0.0050	0.36	0.084	0.078	0.0061	**1.5**	< 0.0050	< 0.0050	0.17	< 0.0050	< 0.0050	0.064	0.21	0.034	0.013	0.027	0.11	< 0.0050
Benzo(ghi)perylene	7.8	0.005	< 0.0050	0.13	0.033	0.031	< 0.0050	0.66	< 0.0050	< 0.0050	0.05	< 0.0050	< 0.0050	< 0.050	0.092	0.015	0.0056	0.0091	0.063	< 0.0050
Benzo(k)fluoranthene	0.78	0.005	< 0.0050	0.12	0.032	0.027	< 0.0050	0.6	< 0.0050	< 0.0050	0.06	< 0.0050	< 0.0050	< 0.050	0.069	0.01	< 0.0050	0.0085	0.037	< 0.0050
Chrysene	7.8	0.005	< 0.0050	0.23	0.049	0.07	0.0051	1.1	< 0.0050	< 0.0050	0.11	< 0.0050	< 0.0050	0.058	0.14	0.018	0.0091	0.022	0.1	< 0.0050
Dibenz(a,h)anthracene	0.1	0.005	< 0.0050	0.034	0.0079	0.0074	< 0.0050	**0.14**	< 0.0050	< 0.0050	0.013	< 0.0050	< 0.0050	< 0.050	0.024	< 0.0050	< 0.0050	< 0.0050	0.0081	< 0.0050
Fluoranthene	0.69	0.005	< 0.0050	0.63	0.14	0.22	0.01	**3.3**	0.0067	< 0.0050	0.26	< 0.0050	< 0.0050	0.16	0.37	0.041	0.016	0.052	0.33	< 0.0050
Fluorene	69	0.005	< 0.0050	0.023	< 0.0050	0.0085	< 0.0050	0.15	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	0.024	< 0.0050	< 0.0050	< 0.0050	0.022	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	< 0.0050	0.15	0.036	0.033	< 0.0050	**0.7**	< 0.0050	< 0.0050	0.053	< 0.0050	< 0.0050	< 0.050	0.1	0.016	0.0054	0.011	0.065	< 0.0050
1-Methylnaphthalene	3.4	0.005	< 0.0050	0.0052	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	0.0072	0.014	< 0.0050
2-Methylnaphthalene	3.4	0.005	< 0.0050	0.0051	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.055	0.0051	< 0.0050	< 0.0050	0.0057	0.015	< 0.0050
Naphthalene	0.75	0.005	< 0.0050	0.0057	< 0.0050	< 0.0050	< 0.0050	< 0.050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.10	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.044	< 0.0050
Phenanthrene	7.8	0.005	< 0.0050	0.34	0.069	0.11	0.0052	2.1	< 0.0050	< 0.0050	0.1	< 0.0050	< 0.0050	0.13	0.24	0.016	0.0072	0.036	0.34	< 0.0050
Pyrene	78	0.005	< 0.0050	0.48	0.11	0.17	0.0085	2.5	0.0051	< 0.0050	0.21	< 0.0050	< 0.0050	0.13	0.29	0.034	0.013	0.042	0.35	< 0.0050
1&2-Methylnaphthalene	3.4	0.0071	< 0.0071	0.01	< 0.0071	< 0.0071	< 0.0071	< 0.071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.071	< 0.0071	< 0.0071	< 0.0071	0.013	0.029	< 0.0071
Organochlorine Pesticides (OCPs)																				
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*		TP112		TP113		TP114	TP115		TP116		TP117		TP118	TP119		TP120		
Sample ID			TP111-4	TP112-1	TP112-2	TP113-2	TP113-3	TP114-1	TP115-1	TP115-2	TP116-1	TP116-2	TP117-1	TP117-2	TP118-1	TP119-2	TP119-3	TP120-1	TP120-2	TP120-3
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			24-Jul-13	24-Jul-13	24-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	25-Jul-13	26-Jul-13	26-Jul-13	26-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13
Soil Sample Depth (m)			1.9 - 2.1	0.3 - 0.6	1.5 - 1.7	1 - 1.3	1.6 - 1.75	0.15 - 0.8	0.15 - 0.5	0.9 - 1.25	0 - 0.23	0.23 - 0.55	0.5 - 0.75	1 - 1.4	0.2 - 1.4	0.2 - 0.6	0.6 - 1.7	0 - 0.2	0.55 - 0.8	1.25 - 1.4
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)																				
Total PCB	0.35	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.017	< 0.010	< 0.010	< 0.010	< 0.025	< 0.010
Metals																				
Barium	390	0.5	70	110	130	130	160	70	160	40	25	110	74	43	51	81	23	42	82	51
Beryllium	5	0.2	1	0.76	0.66	0.79	1.1	0.71	1.1	1.1	< 0.20	0.88	0.33	0.9	0.74	0.83	0.9	0.37	0.8	0.91
Boron (Total)	120	5	8.1	10	14	14	5.9	8.4	10	8.4	17	8.4	6.6	10	8.5	6.6	7.6	< 5.0	7.1	6.4
Cadmium	1.2	0.1	< 0.10	0.44	0.25	0.3	0.34	0.61	0.15	< 0.10	0.39	0.17	0.11	0.11	0.67	0.17	< 0.10	0.22	0.31	< 0.10
Chromium (total)	160	1	24	18	19	21	21	18	24	25	3.8	21	10	22	19	22	23	11	15	24
Cobalt	22	0.1	15	11	12	14	13	11	13	17	1.6	13	7.3	15	14	15	16	4.3	9.1	16
Copper	180	0.5	170	62	14	32	83	79	28	150	8.3	27	43	150	61	140	110	20	89	**210**
Lead	120	1	2.9	28	15	16	10	22	15	8.4	23	16	12	20	61	7.7	3.7	21	17	3.7
Molybdenum	6.9	0.5	< 0.50	1	1.1	1.3	1.5	1.2	1.1	< 0.50	0.61	0.95	< 0.50	0.54	0.62	0.77	< 0.50	< 0.50	1.6	0.74
Nickel	130	0.5	33	24	25	30	21	25	30	36	5.1	26	13	31	27	30	34	9.2	21	36
Silver	25	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Thallium	1	0.05	< 0.050	0.1	< 0.050	0.098	0.1	0.092	0.091	0.1	0.066	0.099	0.1	0.11	0.1	0.12	0.085	0.054	0.16	0.084
Uranium	23	0.05	0.49	0.79	0.54	0.76	1.4	0.61	0.83	0.62	0.45	0.68	0.39	0.68	0.77	0.97	0.72	0.47	0.77	0.47
Vanadium	86	5	29	25	26	29	34	25	31	30	< 5.0	29	17	27	24	30	27	16	25	29
Zinc	340	5	63	99	60	100	52	100	73	83	200	72	55	120	89	66	71	62	55	76
Hydride-Forming Metals																				
Antimony	7.5	0.2	< 0.20	0.68	0.41	0.55	0.33	1	0.45	0.2	0.31	0.3	< 0.20	0.23	0.93	0.33	0.23	0.36	0.53	0.21
Arsenic	18	0.2	9.3	6.9	5.3	6.6	8.2	6.9	5.8	9.5	3.4	5.3	6	9.9	7.8	9.7	6.6	4	8.4	11
Selenium	2.4	0.2	< 0.50	< 0.50	< 0.50	< 0.50	0.6	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																				
Boron (hot water soluble)	1.5	0.05	0.31	0.63	0.37	0.51	**2.5**	0.26	0.26	0.29	0.11	0.27	0.059	0.21	0.42	0.53	0.19	0.51	0.82	0.36
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	< 0.050	0.84	< 0.050	< 0.050	0.065	0.54	< 0.050	< 0.050	0.059	< 0.050	< 0.050	0.057	**5.8**	0.45	0.29	0.22	0.75	0.06
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000033	<0.000013	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	0.4	0.23	0.16	0.23	**0.72**	0.15	0.22	0.25	0.087	0.28	0.11	0.25	0.25	**3**	**1.9**	0.23	**1.2**	**1.1**
Sodium Adsorption Ratio (unitless)	5	-	**9.7**	2.8	1.5	2.9	**5.8**	0.25	0.21	0.23	0.34	0.19	0.32	0.72	0.96	**17**	4.7	0.47	**21**	**28**
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.19	7.55	7.66	7.64	5.66	7.48	7.27	7.56	7.98	7.39	7.89	7.71	7.47	7.2	7.58	7.1	7.38	7.41

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	TP121			TP122			TP123		TP124			TP125		TP126		TP127	TP128
Sample ID			TP121-1	TP121-2	TP121-3	TP122-1	TPW-1	TP122-2	TP123-1	TP123-2	TP124-1	TPY-1	TP124-2	TP125-1	TP125-2	TP126-1	TPB-1	TP127-1	TP128-1
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	31-Jul-13	31-Jul-13
Soil Sample Depth (m)			0 - 0.2	0.2 - 0.6	1 - 1.3	0.1 - 0.5	Field Duplicate of TP122-1	0.7 - 0.8	0 - 0.25	0.3 - 0.6	0 - 0.5	Field Duplicate of TP124-1	0.5 - 0.7	0 - 0.7	0.7 - 1	1.8 - 1.9	Field Duplicate of TP126-1	2.1 - 2.3	1.65 - 1.75
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																			
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Toluene	6	0.02	0.027	< 0.020	< 0.020	< 0.020	< 0.020	0.021	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Ethylbenzene	1.6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Petroleum Hydrocarbons (PHCs)																			
PHC F1 (C6-C10)	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F1 (C6-C10) - BTEX	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	56	**230**	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
PHC F3 (C16-C34)	1300	50	70	< 50	< 50	1100	**3700**	< 50	< 50	< 50	360	240	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PHC F4 (C34-C50)	5600	50	< 50	< 50	< 50	280	640	< 50	< 50	< 50	180	110	< 50	< 50	< 50	< 50	< 50	52	< 50
Reached baseline at C50?	NA	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Volatile Organic Compounds (VOCs)																			
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichloropropene	0.081	0.02	< 0.030	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	TP121			TP122			TP123		TP124			TP125		TP126		TP127	TP128
Sample ID			TP121-1	TP121-2	TP121-3	TP122-1	TPW-1	TP122-2	TP123-1	TP123-2	TP124-1	TPY-1	TP124-2	TP125-1	TP125-2	TP126-1	TPB-1	TP127-1	TP128-1
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	31-Jul-13	31-Jul-13
Soil Sample Depth (m)			0 - 0.2	0.2 - 0.6	1 - 1.3	0.1 - 0.5	Field Duplicate of TP122-1	0.7 - 0.8	0 - 0.25	0.3 - 0.6	0 - 0.5	Field Duplicate of TP124-1	0.5 - 0.7	0 - 0.7	0.7 - 1	1.8 - 1.9	Field Duplicate of TP126-1	2.1 - 2.3	1.65 - 1.75
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polycyclic Aromatic Hydrocarbons																			
Acenaphthene	29	0.005	0.16	0.0052	< 0.0050	0.14	0.74	< 0.0050	0.0057	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0051	< 0.0050	< 0.0050	< 0.0050	0.019	< 0.0050
Acenaphthylene	0.17	0.005	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Anthracene	0.74	0.005	0.3	0.011	< 0.0050	0.2	**1.2**	< 0.0050	0.011	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.012	< 0.0050	< 0.0050	< 0.0050	0.037	< 0.0050
Benzo(a)anthracene	0.63	0.005	**1**	0.037	< 0.0050	0.47	**2.1**	0.013	0.051	< 0.0050	0.011	0.0054	< 0.0050	0.036	0.01	< 0.0050	< 0.0050	0.21	< 0.0050
Benzo(a)pyrene	0.3	0.005	**0.99**	0.038	< 0.0050	**0.41**	**1.7**	0.012	0.041	< 0.0050	0.0082	< 0.0050	< 0.0050	0.029	0.0082	< 0.0050	< 0.0050	0.25	< 0.0050
Benzo(b/j)fluoranthene	0.78	0.005	**1.4**	0.044	< 0.0050	0.53	**1.9**	0.023	0.07	< 0.0050	0.011	0.0052	< 0.0050	0.038	0.011	0.0077	0.0081	0.35	< 0.0050
Benzo(ghi)perylene	7.8	0.005	0.57	0.03	< 0.0050	0.21	0.56	0.0092	0.024	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.016	< 0.0050	0.0062	0.01	0.18	< 0.0050
Benzo(k)fluoranthene	0.78	0.005	0.52	0.015	< 0.0050	0.21	0.63	0.0063	0.021	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.012	< 0.0050	< 0.0050	< 0.0050	0.12	< 0.0050
Chrysene	7.8	0.005	0.96	0.033	< 0.0050	0.41	1.9	0.018	0.059	< 0.0050	0.0092	< 0.0050	< 0.0050	0.031	0.0083	< 0.0050	< 0.0050	0.24	< 0.0050
Dibenz(a,h)anthracene	0.1	0.005	**0.15**	< 0.0050	< 0.0050	0.059	**0.17**	< 0.0050	0.0061	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.038	< 0.0050
Fluoranthene	0.69	0.005	**2.5**	0.085	0.0059	**1.2**	**5.4**	0.035	0.14	< 0.0050	0.023	0.011	< 0.0050	0.084	0.025	0.0084	0.01	0.56	< 0.0050
Fluorene	69	0.005	0.13	< 0.0050	< 0.0050	0.082	0.55	< 0.0050	0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0051	< 0.0050	< 0.0050	< 0.0050	0.013	< 0.0050
Indeno(1,2,3-cd)pyrene	0.48	0.005	**0.63**	0.029	< 0.0050	0.24	**0.8**	0.011	0.03	< 0.0050	0.0051	< 0.0050	< 0.0050	0.017	< 0.0050	< 0.0050	< 0.0050	0.19	< 0.0050
1-Methylnaphthalene	3.4	0.005	0.017	0.0058	< 0.0050	0.0064	0.03	< 0.0050	0.0076	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.01	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
2-Methylnaphthalene	3.4	0.005	0.019	0.0069	< 0.0050	0.0065	0.044	< 0.0050	0.0081	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0087	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Naphthalene	0.75	0.005	0.019	0.0052	< 0.0050	0.0051	0.045	< 0.0050	0.0059	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Phenanthrene	7.8	0.005	1.5	0.054	< 0.0050	0.91	5.2	0.022	0.077	< 0.0050	0.012	0.0052	< 0.0050	0.059	0.015	0.0055	0.0072	0.27	< 0.0050
Pyrene	78	0.005	1.9	0.072	< 0.0050	0.86	4	0.028	0.1	< 0.0050	0.018	0.0085	< 0.0050	0.068	0.019	0.0067	0.008	0.45	< 0.0050
1&2-Methylnaphthalene	3.4	0.0071	0.036	0.013	< 0.0071	0.013	0.074	< 0.0071	0.016	< 0.0071	< 0.0071	< 0.0071	< 0.0071	0.019	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071
Organochlorine Pesticides (OCPs)																			
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	TP121			TP122			TP123		TP124			TP125		TP126		TP127	TP128
Sample ID			TP121-1	TP121-2	TP121-3	TP122-1	TPW-1	TP122-2	TP123-1	TP123-2	TP124-1	TPY-1	TP124-2	TP125-1	TP125-2	TP126-1	TPB-1	TP127-1	TP128-1
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sampling Date			29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	29-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	30-Jul-13	31-Jul-13	31-Jul-13
Soil Sample Depth (m)			0 - 0.2	0.2 - 0.6	1 - 1.3	0.1 - 0.5	Field Duplicate of TP122-1	0.7 - 0.8	0 - 0.25	0.3 - 0.6	0 - 0.5	Field Duplicate of TP124-1	0.5 - 0.7	0 - 0.7	0.7 - 1	1.8 - 1.9	Field Duplicate of TP126-1	2.1 - 2.3	1.65 - 1.75
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Polychlorinated Biphenyls (PCBs)																			
Total PCB	0.35	0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Metals																			
Barium	390	0.5	62	69	140	66	76	64	85	45	**1400**	**870**	100	45	87	94	78	47	8.4
Beryllium	5	0.2	0.78	3.3	0.88	0.9	1.1	0.5	0.71	1	0.54	0.6	1.2	0.54	0.86	0.9	0.82	0.86	< 0.20
Boron (Total)	120	5	8.6	9.2	6.1	7.1	7.8	< 5.0	31	13	13	15	9.7	< 5.0	6.7	5.8	5.7	7.7	< 5.0
Cadmium	1.2	0.1	0.66	0.24	0.16	0.25	0.15	0.3	**1.6**	< 0.10	**580**	**370**	**3.6**	0.29	**1.6**	0.11	0.11	< 0.10	< 0.10
Chromium (total)	160	1	17	21	18	20	20	11	13	26	14	15	26	12	24	21	20	21	6.1
Cobalt	22	0.1	9.7	11	9.3	12	12	5.4	11	17	6.5	7.7	15	6.5	12	13	13	15	2.4
Copper	180	0.5	100	99	140	130	140	57	67	150	**810**	**930**	140	54	120	140	140	**200**	13
Lead	120	1	46	40	7.8	15	20	15	89	2.7	**300**	**360**	5	22	12	8.6	9.4	9	4.1
Molybdenum	6.9	0.5	1.2	4.1	0.64	1.1	1.7	0.7	0.6	< 0.50	1.4	1.9	< 0.50	0.64	1.8	1	0.93	0.69	< 0.50
Nickel	130	0.5	24	34	22	27	27	10	23	38	69	74	34	15	25	26	27	32	5.4
Silver	25	0.2	< 0.20	< 0.20	0.28	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	6.5	6.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Thallium	1	0.05	0.086	0.12	0.081	0.085	0.1	0.12	0.12	0.084	0.13	0.14	0.093	0.083	0.091	< 0.050	0.092	0.11	< 0.050
Uranium	23	0.05	0.84	1.1	1.7	0.94	1	0.62	0.83	0.49	0.48	0.53	0.51	0.55	1.2	1.3	1.2	0.71	0.46
Vanadium	86	5	24	29	21	29	30	17	20	30	20	22	33	20	41	30	27	27	17
Zinc	340	5	93	220	71	70	84	51	82	75	**370**	**430**	71	47	53	70	66	100	13
Hydride-Forming Metals																			
Antimony	7.5	0.2	3.7	0.74	< 0.20	0.41	0.44	0.35	1.7	< 0.20	**560**	**370**	3.6	0.62	2.3	< 0.20	0.2	0.32	< 0.20
Arsenic	18	0.2	6.8	7.2	6	6.2	6	4.3	6.5	11	8.6	9.5	9.2	5.4	7.2	7.6	7.6	6.9	2.1
Selenium	2.4	0.2	< 0.50	< 0.50	0.78	< 0.50	< 0.50	< 0.50	0.61	< 0.50	2.4	1.3	< 0.50	< 0.50	0.5	< 0.50	< 0.50	< 0.50	< 0.50
Other Regulated Parameters (ORPs)																			
Boron (hot water soluble)	1.5	0.05	0.88	0.73	1.3	0.71	0.73	**2.5**	**25**	**4.4**	**2.7**	**2.3**	**3.1**	0.59	0.75	0.7	0.62	0.21	0.15
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1.8	0.05	1.4	**7**	0.1	0.075	0.12	< 0.050	0.44	< 0.050	**150**	**150**	0.87	0.14	0.31	< 0.050	0.053	1.2	< 0.050
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.000014	-
Electrical Conductivity (mS/cm)	0.7	0.002	0.25	0.35	0.6	0.19	0.19	0.27	0.69	0.29	0.33	0.31	0.53	0.18	0.14	**2.3**	**2**	0.42	0.23
Sodium Adsorption Ratio (unitless)	5	-	0.23	4.4	**7.4**	0.3	0.3	1.1	1.9	1.7	0.48	0.48	0.83	0.24	0.32	**6.5**	**6.3**	**5.3**	1.6
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.46	7.25	7.19	7.39	7.28	6.51	6.39	7.23	7.03	7.27	7.29	7.31	7.09	7.26	7.29	7.67	7.54

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	TP129		TP130		TP131		TP133			TP134		TP138	MW201			MW202		
Sample ID			TP129-1	TP129-2	TP130-1	TP130-2	TP131-1	TP131-2	TP133-1	TP133-1D	TP133-2	TP134-1	TP134-2	TP138-1	MW201 S1	MW201 S4	DUP-1	MW202 S2	DUP-7	MW202 S4
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ZJ3929	ZJ3930	ZJ3931	ZO8312	ZO8329	ZO8313
Sampling Date			3-Oct-13	3-Oct-13	3-Oct-13	3-Oct-13	3-Oct-13	3-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	8-Oct-13	29-Jan-15	29-Jan-15	29-Jan-15	18-Feb-15	18-Feb-15	18-Feb-15
Soil Sample Depth (m)			1 - 1.1	1.15 - 1.25	0.9 - 1	1.1 - 1.2	0.8 - 0.85	2.3 - 2.4	1.2 - 1.5	Field Duplicate of TP133-1	1.5 - 1.7	1.1 - 1.2	1.35 - 1.5	0.5 - 0.6	0.3 - 0.8	2.0 - 2.7	Field Duplicate of MW201 S4	0.6 - 1.2	Field Duplicate of MW202 S2	2.4 - 3.6
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	B518350	B518350	B518350	B529896	B529896	B529896
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																				
Benzene	0.17	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	<0.020	<0.020	-	-	<0.020
Toluene	6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	<0.020	<0.020	-	-	<0.020
Ethylbenzene	1.6	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.22	-	<0.020	<0.020	-	-	<0.020
m-Xylene + p-Xylene	NV	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.047	-	-	-	-	-	-
o-Xylene	NV	0.018	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.075	-	-	-	-	-	-
Xylenes (Total)	25	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	0.12	-	<0.020	<0.020	-	-	<0.020
Petroleum Hydrocarbons (PHCs)																				
PHC F1 (C6-C10)	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-	<10	<10	-	-	<10
PHC F1 (C6-C10) - BTEX	65	5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	-	-	-	-	-	-
PHC F2 (C10-C16)	150	7	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**1300**	-	<10	<10	-	-	<10
PHC F3 (C16-C34)	1300	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	730	-	<50	<50	-	-	<50
PHC F4 (C34-C50)	5600	50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	-	<50	<50	-	-	<50
Reached baseline at C50?	NA	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																				
Acetone	28	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-	<0.50	<0.50	-	-	<0.50
Bromodichloromethane	1.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Bromoform	0.26	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Bromomethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Carbon Tetrachloride	0.12	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Chlorobenzene	2.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Chloroform	0.18	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Dibromochloromethane	2.9	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
1,2-Dichlorobenzene	1.7	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
1,3-Dichlorobenzene	6	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
1,4-Dichlorobenzene	0.097	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Dichlorodifluoromethane	25	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
1,1-Dichloroethane	0.6	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
1,2-Dichloroethane	0.05	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
1,1-Dichloroethylene	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	**0.089**	-	-	<0.050
cis-1,2-Dichloroethylene	2.5	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	0.48	0.9	-	-	<0.050
trans-1,2-Dichloroethylene	0.75	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
1,2-Dichloropropane	0.085	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
cis-1,3-Dichloropropene	0.081	0.03	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	-	<0.030	<0.030	-	-	<0.030
trans-1,3-Dichloropropene	0.081	0.03	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	-	<0.040	<0.040	-	-	<0.040
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Hexane (n)	34	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Methylene chloride (Dichloromethane)	0.96	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Methyl ethyl ketone (2-Butanone)	44	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-	<0.50	<0.50	-	-	<0.50
Methyl Isobutyl Ketone	4.3	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	-	<0.50	<0.50	-	-	<0.50
Methyl t-butyl ether (MTBE)	1.4	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Styrene	2.2	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
1,1,1,2-Tetrachloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
1,1,2,2-Tetrachloroethane	0.05	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Tetrachloroethylene	2.3	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
1,1,1-Trichloroethane	3.4	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
1,1,2-Trichloroethane	0.05	0.04	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	**0.14**	**0.44**	-	-	<0.050
Trichloroethylene	0.52	0.03	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	**1.5**	**1.9**	-	-	<0.050
Trichlorofluoromethane	5.8	0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	-	<0.050	<0.050	-	-	<0.050
Vinyl Chloride	0.022	0.02	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	-	<0.020	**0.038**	-	-	<0.020
1,3-Dichloropropene	0.081	0.02	< 0.050	< 0.050	< 0.050	< 0.050	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.050	< 0.050	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	TP129		TP130		TP131		TP133			TP134		TP138	MW201			MW202		
Sample ID			TP129-1	TP129-2	TP130-1	TP130-2	TP131-1	TP131-2	TP133-1	TP133-1D	TP133-2	TP134-1	TP134-2	TP138-1	MW201 S1	MW201 S4	DUP-1	MW202 S2	DUP-7	MW202 S4
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ZJ3929	ZJ3930	ZJ3931	ZO8312	ZO8329	ZO8313
Sampling Date			3-Oct-13	3-Oct-13	3-Oct-13	3-Oct-13	3-Oct-13	3-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	8-Oct-13	29-Jan-15	29-Jan-15	29-Jan-15	18-Feb-15	18-Feb-15	18-Feb-15
Soil Sample Depth (m)			1 - 1.1	1.15 - 1.25	0.9 - 1	1.1 - 1.2	0.8 - 0.85	2.3 - 2.4	1.2 - 1.5	Field Duplicate of TP133-1	1.5 - 1.7	1.1 - 1.2	1.35 - 1.5	0.5 - 0.6	0.3 - 0.8	2.0 - 2.7	Field Duplicate of MW201 S4	0.6 - 1.2	Field Duplicate of MW202 S2	2.4 - 3.6
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	B518350	B518350	B518350	B529896	B529896	B529896
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	29	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.97	0.011	-	-	<0.0050	<0.0050	-
Acenaphthylene	0.17	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.064	<0.0050	-	-	<0.0050	<0.0050	-
Anthracene	0.74	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.24	0.018	-	-	<0.0050	<0.0050	-
Benzo(a)anthracene	0.63	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.012	0.012	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.023	0.037	-	-	<0.0050	<0.0050	-
Benzo(a)pyrene	0.3	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.011	0.012	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.025	0.032	-	-	<0.0050	<0.0050	-
Benzo(b/j)fluoranthene	0.78	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.018	0.018	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.035	0.043	-	-	<0.0050	<0.0050	-
Benzo(ghi)perylene	7.8	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0072	0.0091	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.026	0.018	-	-	<0.0050	<0.0050	-
Benzo(k)fluoranthene	0.78	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0062	0.0067	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.012	0.014	-	-	<0.0050	<0.0050	-
Chrysene	7.8	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.014	0.013	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.022	0.035	-	-	<0.0050	<0.0050	-
Dibenz(a,h)anthracene	0.1	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	<0.0050	-	-	<0.0050	<0.0050	-
Fluoranthene	0.69	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.021	0.022	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.094	0.11	-	-	<0.0050	<0.0050	-
Fluorene	69	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.74	<0.0050	-	-	<0.0050	<0.0050	-
Indeno(1,2,3-cd)pyrene	0.48	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0072	0.0085	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.021	0.019	-	-	<0.0050	<0.0050	-
1-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	**4.3**	0.0088	-	-	<0.0050	<0.0050	-
2-Methylnaphthalene	3.4	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.20	<0.0050	-	-	<0.0050	<0.0050	-
Naphthalene	0.75	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.50	<0.0050	-	-	<0.0050	<0.0050	-
Phenanthrene	7.8	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0088	0.0067	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	2.7	0.091	-	-	<0.0050	<0.0050	-
Pyrene	78	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.019	0.019	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.086	0.09	-	-	<0.0050	<0.0050	-
1&2-Methylnaphthalene	3.4	0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	< 0.0071	**4.3**	-	-	-	-	-	-
Organochlorine Pesticides (OCPs)																				
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	TP129		TP130		TP131		TP133			TP134		TP138	MW201			MW202		
Sample ID			TP129-1	TP129-2	TP130-1	TP130-2	TP131-1	TP131-2	TP133-1	TP133-1D	TP133-2	TP134-1	TP134-2	TP138-1	MW201 S1	MW201 S4	DUP-1	MW202 S2	DUP-7	MW202 S4
Lab ID			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ZJ3929	ZJ3930	ZJ3931	ZO8312	ZO8329	ZO8313
Sampling Date			3-Oct-13	3-Oct-13	3-Oct-13	3-Oct-13	3-Oct-13	3-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	7-Oct-13	8-Oct-13	29-Jan-15	29-Jan-15	29-Jan-15	18-Feb-15	18-Feb-15	18-Feb-15
Soil Sample Depth (m)			1 - 1.1	1.15 - 1.25	0.9 - 1	1.1 - 1.2	0.8 - 0.85	2.3 - 2.4	1.2 - 1.5	Field Duplicate of TP133-1	1.5 - 1.7	1.1 - 1.2	1.35 - 1.5	0.5 - 0.6	0.3 - 0.8	2.0 - 2.7	Field Duplicate of MW201 S4	0.6 - 1.2	Field Duplicate of MW202 S2	2.4 - 3.6
Consultant			AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	AECOM	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin
Laboratory			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam
Certificate of Analysis Number			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	B518350	B518350	B518350	B529896	B529896	B529896
Polychlorinated Biphenyls (PCBs)																				
Total PCB	0.35	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																				
Barium	390	0.5	29	54	18	33	42	69	9.6	8.1	42	18	43	74	48	-	-	160	-	-
Beryllium	5	0.2	0.25	1	< 0.20	0.99	0.36	0.88	< 0.20	< 0.20	1	< 0.20	0.85	0.78	0.77	-	-	0.94	-	-
Boron (Total)	120	5	< 5.0	9	< 5.0	11	< 5.0	7.1	< 5.0	< 5.0	6.7	< 5.0	6.8	7.7	14	-	-	6.5	-	-
Cadmium	1.2	0.1	0.2	< 0.10	< 0.10	< 0.10	< 0.10	0.17	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.23	0.31	-	-	0.25	-	-
Chromium (total)	160	1	7.5	23	5.7	24	12	22	3.8	4	24	4.4	21	21	21	-	-	24	-	-
Cobalt	22	0.1	5.2	14	3.1	16	8	14	2	2	15	2.7	13	12	13	-	-	19	-	-
Copper	180	0.5	32	86	15	**270**	32	**210**	9.5	8.3	160	25	88	63	55	-	-	120	-	-
Lead	120	1	9.1	7.4	6.9	5.2	15	11	7.1	5.8	5.3	**8700**	13	30	26	-	-	7.6	-	-
Molybdenum	6.9	0.5	< 0.50	0.99	< 0.50	0.64	< 0.50	1.4	0.63	< 0.50	0.82	< 0.50	2	1.5	0.63	-	-	1.2	-	-
Nickel	130	0.5	9.8	33	6	36	17	29	4.4	4.5	36	4.9	30	32	26	-	-	25	-	-
Silver	25	0.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	<0.20	-	-	<0.20	-	-
Thallium	1	0.05	0.062	0.082	< 0.050	0.067	0.079	0.1	< 0.050	< 0.050	0.08	0.6	0.072	0.08	0.12	-	-	0.11	-	-
Uranium	23	0.05	0.32	1	0.3	0.78	0.31	0.98	0.21	0.23	0.86	0.31	1.5	1.2	0.68	-	-	2.1	-	-
Vanadium	86	5	15	32	14	31	19	33	9.3	8.8	29	11	37	31	27	-	-	34	-	-
Zinc	340	5	32	64	15	71	49	70	12	12	72	13	57	90	81	-	-	99	-	-
Hydride-Forming Metals																				
Antimony	7.5	0.2	0.22	0.36	< 0.20	0.4	0.22	**14**	< 0.20	< 0.20	0.33	< 0.20	0.82	0.72	0.48	-	-	<0.20	-	-
Arsenic	18	0.2	3.7	4.7	2.3	4.7	5.7	5.3	1.7	1.7	5.7	2.6	8.4	6.2	6.5	-	-	8.4	-	-
Selenium	2.4	0.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.51	< 0.50	< 0.50	< 0.50	< 0.50	< 0.20	< 0.20	<0.50	-	-	0.71	-	-
Other Regulated Parameters (ORPs)																				
Boron (hot water soluble)	1.5	0.05	0.056	0.093	0.052	0.26	0.06	0.47	< 0.050	< 0.050	0.065	< 0.050	0.092	0.24	0.61	-	-	0.36	-	-
Chromium VI	10	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	<0.2	-	-	<0.2	-	-
Free Cyanide	0.051	0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	0.04	-	-
Mercury	1.8	0.05	**3.7**	0.81	< 0.050	< 0.050	**2.3**	1.2	0.085	0.28	< 0.050	< 0.050	< 0.050	< 0.050	0.52	-	-	0.16	-	-
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	0.12	0.18	0.1	0.21	0.29	**0.8**	0.086	0.076	0.16	0.19	0.19	**1.5**	0.25	-	-	**3.1**	-	-
Sodium Adsorption Ratio (unitless)	5	-	0.33	0.73	0.42	1.2	0.28	0.55	0.36	0.45	0.64	0.27	0.47	**21**	0.21	-	-	**14**	-	-
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	7.7	7.66	7.74	7.68	7.64	7.12	7.75	7.81	7.48	7.3	7.47	7.35	7.38	-	-	6.66	-	-

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW202	MW203			MW204		MW205	MW206		MW207		BH208		BH209		BH210	BH211	
Sample ID			DUP-5	MW203 S1	MW203 S3	DUP-3	MW204 S1	MW204 S3	MW205 S3	BH206 S3	DUP-2	MW207 S1	MW207 S3	BH208 S1	BH208 S2	BH209 S1	BH209 S2	BH210 S3	BH211 S1	BH211 S2
Lab ID			ZO8328	ZM3146	ZM3147	ZM3148	ZO8314	ZO8315	ZK6476	ZK6477	ZK6480	ZK6478	ZK6479	ZO8316	ZO8317	ZO8318	ZO8319	ZO8320	ZO8322	ZO8323
Sampling Date			18-Feb-15	10-Feb-15	10-Feb-15	10-Feb-15	18-Feb-15	18-Feb-15	4-Feb-15	4-Feb-15	4-Feb-15	4-Feb-15	4-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	18-Feb-15	18-Feb-15	18-Feb-15	18-Feb-15
Soil Sample Depth (m)			Field Duplicate of MW202 S4	0.3 - 1.5	2.0 - 2.9	Field Duplicate of MW203 S3	0.2 - 0.6	1.2 - 2.4	2.0 - 2.4	3.1 - 3.4	Field Duplicate of BH206 S3	0.5 - 1.5	2.0 - 2.4	0.2 - 0.8	0.8 - 1.5	0.2 - 0.8	0.8 - 1.5	1.2 - 2.4	0.2 - 0.6	0.6 - 1.2
Consultant			Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin
Laboratory			Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam
Certificate of Analysis Number			B529896	B524424	B524424	B524424	B529896	B529896	B520753	B520753	B520753	B520753	B520753	B529896	B529896	B529896	B529896	B529896	B529896	B529896
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																				
Benzene	0.17	0.02	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	<0.020	<0.020	-	<0.020	-	-	-	-	-	-	-
Toluene	6	0.02	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	<0.020	0.039	-	<0.020	-	-	-	-	-	-	-
Ethylbenzene	1.6	0.02	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	<0.020	<0.020	-	<0.020	-	-	-	-	-	-	-
m-Xylene + p-Xylene	NV	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NV	0.018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (Total)	25	0.02	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	<0.020	0.047	-	<0.020	-	-	-	-	-	-	-
Petroleum Hydrocarbons (PHCs)																				
PHC F1 (C6-C10)	65	5	<10	-	<10	<10	-	<10	<10	<10	<10	-	66	-	-	-	-	-	-	-
PHC F1 (C6-C10) - BTEX	65	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (C10-C16)	150	7	<10	-	<10	<10	-	<10	<10	<10	<10	-	200	-	-	-	-	-	-	-
PHC F3 (C16-C34)	1300	50	<50	-	<50	<50	-	<50	<50	<50	<50	-	150	-	-	-	-	-	-	-
PHC F4 (C34-C50)	5600	50	<50	-	<50	<50	-	<50	<50	<50	<50	-	<50	-	-	-	-	-	-	-
Reached baseline at C50?	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																				
Acetone	28	0.5	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	<0.50	<0.50	-	<0.50	-	-	-	-	-	-	-
Bromodichloromethane	1.9	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Bromoform	0.26	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Bromomethane	0.05	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Carbon Tetrachloride	0.12	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Chlorobenzene	2.7	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Chloroform	0.18	0.04	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Dibromochloromethane	2.9	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1.7	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
1,3-Dichlorobenzene	6	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.097	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Dichlorodifluoromethane	25	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
1,1-Dichloroethane	0.6	0.02	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
1,2-Dichloroethane	0.05	0.03	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
1,1-Dichloroethylene	0.05	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
cis-1,2-Dichloroethylene	2.5	0.02	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
trans-1,2-Dichloroethylene	0.75	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
1,2-Dichloropropane	0.085	0.03	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	0.081	0.03	<0.030	-	<0.030	<0.030	-	<0.030	<0.030	<0.030	<0.030	-	<0.030	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	0.081	0.03	<0.040	-	<0.040	<0.040	-	<0.040	<0.040	<0.040	<0.040	-	<0.040	-	-	-	-	-	-	-
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Hexane (n)	34	0.02	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Methylene chloride (Dichloromethane)	0.96	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Methyl ethyl ketone (2-Butanone)	44	0.5	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	<0.50	<0.50	-	<0.50	-	-	-	-	-	-	-
Methyl Isobutyl Ketone	4.3	0.5	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	<0.50	<0.50	-	<0.50	-	-	-	-	-	-	-
Methyl t-butyl ether (MTBE)	1.4	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Styrene	2.2	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
1,1,1,2-Tetrachloroethane	0.05	0.04	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	0.05	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Tetrachloroethylene	2.3	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
1,1,1-Trichloroethane	3.4	0.04	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
1,1,2-Trichloroethane	0.05	0.04	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Trichloroethylene	0.52	0.03	<0.050	-	<0.050	0.087	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Trichlorofluoromethane	5.8	0.05	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	-	-	-	-	-	-
Vinyl Chloride	0.022	0.02	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	<0.020	<0.020	-	<0.020	-	-	-	-	-	-	-
1,3-Dichloropropene	0.081	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW202	MW203			MW204		MW205	MW206		MW207		BH208		BH209		BH210	BH211	
Sample ID			DUP-5	MW203 S1	MW203 S3	DUP-3	MW204 S1	MW204 S3	MW205 S3	BH206 S3	DUP-2	MW207 S1	MW207 S3	BH208 S1	BH208 S2	BH209 S1	BH209 S2	BH210 S3	BH211 S1	BH211 S2
Lab ID			ZO8328	ZM3146	ZM3147	ZM3148	ZO8314	ZO8315	ZK6476	ZK6477	ZK6480	ZK6478	ZK6479	ZO8316	ZO8317	ZO8318	ZO8319	ZO8320	ZO8322	ZO8323
Sampling Date			18-Feb-15	10-Feb-15	10-Feb-15	10-Feb-15	18-Feb-15	18-Feb-15	4-Feb-15	4-Feb-15	4-Feb-15	4-Feb-15	4-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	18-Feb-15	18-Feb-15	18-Feb-15	18-Feb-15
Soil Sample Depth (m)			Field Duplicate of MW202 S4	0.3 - 1.5	2.0 - 2.9	Field Duplicate of MW203 S3	0.2 - 0.6	1.2 - 2.4	2.0 - 2.4	3.1 - 3.4	Field Duplicate of BH206 S3	0.5 - 1.5	2.0 - 2.4	0.2 - 0.8	0.8 - 1.5	0.2 - 0.8	0.8 - 1.5	1.2 - 2.4	0.2 - 0.6	0.6 - 1.2
Consultant			Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin
Laboratory			Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam
Certificate of Analysis Number			B529896	B524424	B524424	B524424	B529896	B529896	B520753	B520753	B520753	B520753	B520753	B529896	B529896	B529896	B529896	B529896	B529896	B529896
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	29	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.079	-	-	-	-	-	-	-	-
Acenaphthylene	0.17	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	<0.0050	-	-	-	-	-	-	-	-
Anthracene	0.74	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.013	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.63	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.025	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.3	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.03	-	-	-	-	-	-	-	-
Benzo(b/j)fluoranthene	0.78	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.041	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	7.8	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.022	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.78	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.014	-	-	-	-	-	-	-	-
Chrysene	7.8	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.023	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.1	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	<0.0050	-	-	-	-	-	-	-	-
Fluoranthene	0.69	0.005	-	0.0095	-	-	<0.0050	-	-	-	-	0.069	-	-	-	-	-	-	-	-
Fluorene	69	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.0074	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.48	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.021	-	-	-	-	-	-	-	-
1-Methylnaphthalene	3.4	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.013	-	-	-	-	-	-	-	-
2-Methylnaphthalene	3.4	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.0054	-	-	-	-	-	-	-	-
Naphthalene	0.75	0.005	-	<0.0050	-	-	<0.0050	-	-	-	-	0.01	-	-	-	-	-	-	-	-
Phenanthrene	7.8	0.005	-	0.0086	-	-	<0.0050	-	-	-	-	0.044	-	-	-	-	-	-	-	-
Pyrene	78	0.005	-	0.0072	-	-	<0.0050	-	-	-	-	0.051	-	-	-	-	-	-	-	-
1&2-Methylnaphthalene	3.4	0.0071	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides (OCPs)																				
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	MW202	MW203			MW204		MW205	MW206		MW207		BH208		BH209		BH210	BH211	
Sample ID			DUP-5	MW203 S1	MW203 S3	DUP-3	MW204 S1	MW204 S3	MW205 S3	BH206 S3	DUP-2	MW207 S1	MW207 S3	BH208 S1	BH208 S2	BH209 S1	BH209 S2	BH210 S3	BH211 S1	BH211 S2
Lab ID			ZO8328	ZM3146	ZM3147	ZM3148	ZO8314	ZO8315	ZK6476	ZK6477	ZK6480	ZK6478	ZK6479	ZO8316	ZO8317	ZO8318	ZO8319	ZO8320	ZO8322	ZO8323
Sampling Date			18-Feb-15	10-Feb-15	10-Feb-15	10-Feb-15	18-Feb-15	18-Feb-15	4-Feb-15	4-Feb-15	4-Feb-15	4-Feb-15	4-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	18-Feb-15	18-Feb-15	18-Feb-15	18-Feb-15
Soil Sample Depth (m)			Field Duplicate of MW202 S4	0.3 - 1.5	2.0 - 2.9	Field Duplicate of MW203 S3	0.2 - 0.6	1.2 - 2.4	2.0 - 2.4	3.1 - 3.4	Field Duplicate of BH206 S3	0.5 - 1.5	2.0 - 2.4	0.2 - 0.8	0.8 - 1.5	0.2 - 0.8	0.8 - 1.5	1.2 - 2.4	0.2 - 0.6	0.6 - 1.2
Consultant			Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin
Laboratory			Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam
Certificate of Analysis Number			B529896	B524424	B524424	B524424	B529896	B529896	B520753	B520753	B520753	B520753	B520753	B529896	B529896	B529896	B529896	B529896	B529896	B529896
Polychlorinated Biphenyls (PCBs)																				
Total PCB	0.35	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																				
Barium	390	0.5	-	11	-	-	17	-	-	-	-	67	-	-	25	25	-	71	-	31
Beryllium	5	0.2	-	<0.20	-	-	<0.20	-	-	-	-	0.73	-	-	1.1	0.3	-	0.7	-	0.39
Boron (Total)	120	5	-	<5.0	-	-	<5.0	-	-	-	-	8.2	-	-	16	<5.0	-	6	-	<5.0
Cadmium	1.2	0.1	-	<0.10	-	-	<0.10	-	-	-	-	0.23	-	-	<0.10	0.15	-	<0.10	-	<0.10
Chromium (total)	160	1	-	5.1	-	-	8.4	-	-	-	-	20	-	-	27	12	-	22	-	14
Cobalt	22	0.1	-	2.3	-	-	3.3	-	-	-	-	11	-	-	17	7.2	-	11	-	8.2
Copper	180	0.5	-	9.4	-	-	12	-	-	-	-	51	-	-	110	29	-	89	-	35
Lead	120	1	-	3.4	-	-	4.5	-	-	-	-	79	-	-	2.5	15	-	3.9	-	17
Molybdenum	6.9	0.5	-	<0.50	-	-	0.76	-	-	-	-	1.3	-	-	<0.50	0.85	-	0.82	-	<0.50
Nickel	130	0.5	-	5	-	-	6.1	-	-	-	-	23	-	-	35	12	-	23	-	17
Silver	25	0.2	-	<0.20	-	-	<0.20	-	-	-	-	<0.20	-	-	<0.20	<0.20	-	<0.20	-	<0.20
Thallium	1	0.05	-	<0.050	-	-	<0.050	-	-	-	-	0.12	-	-	0.12	0.082	-	0.1	-	0.098
Uranium	23	0.05	-	0.24	-	-	0.33	-	-	-	-	0.86	-	-	0.64	0.28	-	1	-	0.4
Vanadium	86	5	-	12	-	-	13	-	-	-	-	32	-	-	32	21	-	27	-	23
Zinc	340	5	-	12	-	-	21	-	-	-	-	**720**	-	-	71	46	-	57	-	51
Hydride-Forming Metals																				
Antimony	7.5	0.2	-	<0.20	-	-	<0.20	-	-	-	-	2.7	-	-	<0.20	0.24	-	<0.20	-	0.2
Arsenic	18	0.2	-	1.4	-	-	1.7	-	-	-	-	5.6	-	-	7.7	3.3	-	5.3	-	4.9
Selenium	2.4	0.2	-	<0.50	-	-	<0.50	-	-	-	-	<0.50	-	-	<0.50	<0.50	-	0.51	-	<0.50
Other Regulated Parameters (ORPs)																				
Boron (hot water soluble)	1.5	0.05	-	0.087	-	-	0.22	-	-	-	-	0.78	-	-	**2.1**	1.2	-	0.54	-	0.095
Chromium VI	10	0.2	-	<0.2	-	-	<0.2	-	-	-	-	<0.2	-	-	<0.2	<0.2	-	<0.2	-	<0.2
Free Cyanide	0.051	0.01	-	<0.01	-	-	<0.01	-	-	-	-	<0.04	-	-	<0.01	0.05	-	**0.07**	-	<0.01
Mercury	1.8	0.05	-	<0.050	-	-	0.071	-	-	-	-	<0.050	-	-	0.058	0.061	-	0.12	-	<0.050
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	-	0.12	-	-	0.52	-	-	-	-	**1**	-	-	0.57	0.11	-	**0.87**	-	0.37
Sodium Adsorption Ratio (unitless)	5	-	-	0.32	-	-	1.2	-	-	-	-	**17**	-	-	4.9	0.55	-	2.1	-	0.27
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	-	**9.52**	-	-	**11**	-	-	-	-	7.05	-	6.89	7.6	6.12	7.41	6.94	**9.35**	8.49

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH212		BH213	BH214		BH215			BH216		BH217	BH218	BH219	BH221	BH222		BH223	
Sample ID			BH212 S1	BH212 S2	BH213 S4	BH214 S1	BH214 S2	BH215 S1	DUP-4	BH215 S2	BH216 S2	DUP-6	BH217 S2	BH218 S1	BH219 S1	BH221 S3	BH222 S1	BH222 S2	BH223 S1	BH223 S2
Lab ID			ZO8324	ZO8325	ZO8321	ZN5961	ZN5962	ZN5963	ZN5967	ZN5964	ZO8389	ZO8394	ZO8390	ZO8391	ZO8392	ZO8393	ZN5965	ZN5966	ZO8326	ZO8327
Sampling Date			18-Feb-15	18-Feb-15	18-Feb-15	13-Feb-15	13-Feb-15	13-Feb-15	13-Feb-15	13-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	13-Feb-15	13-Feb-15	18-Feb-15	18-Feb-15
Soil Sample Depth (m)			0.2 - 0.5	0.5 - 1.2	1.8 - 2.4	0.2 - 0.5	0.5 - 1.2	0.2 - 1.2	Field Duplicate of BH215 S1	1.2 - 2.4	0.8 - 1.5	Field Duplicate of BH216 S2	0.8 - 1.5	0.0 - 0.8	0.0 - 0.8	1.1 - 1.5	0.2 - 0.3	0.3 - 1.2	0.0 - 0.8	0.8 - 1.5
Consultant			Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin
Laboratory			Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam
Certificate of Analysis Number			B529896	B529896	B529896	B527151	B527151	B527151	B527151	B527151	B529911	B529911	B529911	B529911	B529911	B529911	B527151	B527151	B529896	B529896
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																				
Benzene	0.17	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	6	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	1.6	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m-Xylene + p-Xylene	NV	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NV	0.018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (Total)	25	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons (PHCs)																				
PHC F1 (C6-C10)	65	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F1 (C6-C10) - BTEX	65	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (C10-C16)	150	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (C16-C34)	1300	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (C34-C50)	5600	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reached baseline at C50?	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																				
Acetone	28	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	1.9	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	0.26	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	0.12	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	2.7	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	0.18	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	2.9	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1.7	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	6	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	0.097	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	25	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	0.6	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.05	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethylene	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethylene	2.5	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethylene	0.75	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	0.085	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	0.081	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	0.081	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (1,2-Dibromoethane)	0.05	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n)	34	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride (Dichloromethane)	0.96	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone (2-Butanone)	44	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone	4.3	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl t-butyl ether (MTBE)	1.4	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	2.2	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1,2-Tetrachloroethane	0.05	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethylene	2.3	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	3.4	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	0.05	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethylene	0.52	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	5.8	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	0.022	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene	0.081	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH212		BH213	BH214		BH215			BH216		BH217	BH218	BH219	BH221	BH222		BH223	
Sample ID			BH212 S1	BH212 S2	BH213 S4	BH214 S1	BH214 S2	BH215 S1	DUP-4	BH215 S2	BH216 S2	DUP-6	BH217 S2	BH218 S1	BH219 S1	BH221 S3	BH222 S1	BH222 S2	BH223 S1	BH223 S2
Lab ID			ZO8324	ZO8325	ZO8321	ZN5961	ZN5962	ZN5963	ZN5967	ZN5964	ZO8389	ZO8394	ZO8390	ZO8391	ZO8392	ZO8393	ZN5965	ZN5966	ZO8326	ZO8327
Sampling Date			18-Feb-15	18-Feb-15	18-Feb-15	13-Feb-15	13-Feb-15	13-Feb-15	13-Feb-15	13-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	13-Feb-15	13-Feb-15	18-Feb-15	18-Feb-15
Soil Sample Depth (m)			0.2 - 0.5	0.5 - 1.2	1.8 - 2.4	0.2 - 0.5	0.5 - 1.2	0.2 - 1.2	Field Duplicate of BH215 S1	1.2 - 2.4	0.8 - 1.5	Field Duplicate of BH216 S2	0.8 - 1.5	0.0 - 0.8	0.0 - 0.8	1.1 - 1.5	0.2 - 0.3	0.3 - 1.2	0.0 - 0.8	0.8 - 1.5
Consultant			Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin
Laboratory			Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam
Certificate of Analysis Number			B529896	B529896	B529896	B527151	B527151	B527151	B527151	B527151	B529911	B529911	B529911	B529911	B529911	B529911	B527151	B527151	B529896	B529896
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	29	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	0.17	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	0.74	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.63	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.3	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b/j)fluoranthene	0.78	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	7.8	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.78	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	7.8	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.1	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	0.69	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	69	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.48	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Methylnaphthalene	3.4	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	3.4	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	0.75	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	7.8	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	78	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1&2-Methylnaphthalene	3.4	0.0071	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides (OCPs)																				
Aldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (alpha)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (gamma)	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane (Total)	0.05	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDD	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (Total)	3.3	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o,p DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p,p-DDE	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDE (Total)	0.33	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
op-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pp-DDT	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.4	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	NV	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	0.04	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.15	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	0.05	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.52	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadine	0.014	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	0.071	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	0.13	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D1: SOIL ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	RDL*	BH212		BH213	BH214		BH215			BH216		BH217	BH218	BH219	BH221	BH222		BH223	
Sample ID			BH212 S1	BH212 S2	BH213 S4	BH214 S1	BH214 S2	BH215 S1	DUP-4	BH215 S2	BH216 S2	DUP-6	BH217 S2	BH218 S1	BH219 S1	BH221 S3	BH222 S1	BH222 S2	BH223 S1	BH223 S2
Lab ID			ZO8324	ZO8325	ZO8321	ZN5961	ZN5962	ZN5963	ZN5967	ZN5964	ZO8389	ZO8394	ZO8390	ZO8391	ZO8392	ZO8393	ZN5965	ZN5966	ZO8326	ZO8327
Sampling Date			18-Feb-15	18-Feb-15	18-Feb-15	13-Feb-15	13-Feb-15	13-Feb-15	13-Feb-15	13-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	19-Feb-15	13-Feb-15	13-Feb-15	18-Feb-15	18-Feb-15
Soil Sample Depth (m)			0.2 - 0.5	0.5 - 1.2	1.8 - 2.4	0.2 - 0.5	0.5 - 1.2	0.2 - 1.2	Field Duplicate of BH215 S1	1.2 - 2.4	0.8 - 1.5	Field Duplicate of BH216 S2	0.8 - 1.5	0.0 - 0.8	0.0 - 0.8	1.1 - 1.5	0.2 - 0.3	0.3 - 1.2	0.0 - 0.8	0.8 - 1.5
Consultant			Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin	Pinchin
Laboratory			Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam	Maxxam
Certificate of Analysis Number			B529896	B529896	B529896	B527151	B527151	B527151	B527151	B527151	B529911	B529911	B529911	B529911	B529911	B529911	B527151	B527151	B529896	B529896
Polychlorinated Biphenyls (PCBs)																				
Total PCB	0.35	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																				
Barium	390	0.5	17	-	32	-	7.9	-	-	47	100	110	73	49	43	26	-	22	-	56
Beryllium	5	0.2	0.22	-	1.1	-	<0.20	-	-	0.94	0.35	0.35	0.68	0.44	0.47	0.98	-	<0.20	-	0.4
Boron (Total)	120	5	5.2	-	14	-	<5.0	-	-	14	9.1	9	11	13	13	12	-	<5.0	-	16
Cadmium	1.2	0.1	0.19	-	<0.10	-	<0.10	-	-	0.1	0.11	0.12	0.19	**5.1**	**3.7**	<0.10	-	<0.10	-	0.51
Chromium (total)	160	1	8	-	28	-	3.2	-	-	25	11	12	19	36	24	26	-	6.7	-	12
Cobalt	22	0.1	3.4	-	18	-	1.8	-	-	15	7.2	8.2	10	7.4	9.1	18	-	3.1	-	3.9
Copper	180	0.5	15	-	**300**	-	8.9	-	-	**190**	51	55	79	**240**	150	160	-	14	-	22
Lead	120	1	17	-	4.1	-	3	-	-	7.7	11	11	10	**270**	120	3.2	-	5.3	-	44
Molybdenum	6.9	0.5	0.83	-	0.67	-	<0.50	-	-	1.6	0.56	0.64	**23**	**8.5**	**12**	<0.50	-	<0.50	-	1.4
Nickel	130	0.5	6.5	-	38	-	4	-	-	33	13	14	24	26	23	35	-	6.3	-	10
Silver	25	0.2	<0.20	-	<0.20	-	<0.20	-	-	<0.20	<0.20	<0.20	<0.20	1.6	0.68	<0.20	-	<0.20	-	<0.20
Thallium	1	0.05	<0.050	-	0.13	-	<0.050	-	-	0.12	0.12	0.13	0.11	0.22	0.15	0.12	-	0.057	-	0.25
Uranium	23	0.05	0.4	-	1	-	0.21	-	-	1	0.48	0.49	1.3	1.1	1.1	1.1	-	0.32	-	0.86
Vanadium	86	5	13	-	34	-	6.2	-	-	31	18	20	32	31	24	31	-	13	-	18
Zinc	340	5	36	-	82	-	11	-	-	74	49	55	54	**1200**	**620**	72	-	19	-	180
Hydride-Forming Metals																				
Antimony	7.5	0.2	0.29	-	0.21	-	<0.20	-	-	0.28	<0.20	<0.20	0.36	**16**	7.5	<0.20	-	<0.20	-	0.28
Arsenic	18	0.2	2.1	-	8.9	-	1.5	-	-	4.9	5.8	6.7	5	7.6	5.1	11	-	1.7	-	6.5
Selenium	2.4	0.2	<0.50	-	<0.50	-	<0.50	-	-	<0.50	<0.50	<0.50	<0.50	1.3	0.6	<0.50	-	<0.50	-	<0.50
Other Regulated Parameters (ORPs)																				
Boron (hot water soluble)	1.5	0.05	0.22	-	0.19	-	0.16	-	-	0.64	0.099	0.11	0.32	0.49	1.2	0.14	-	0.11	-	0.48
Chromium VI	10	0.2	<0.2	-	<0.2	-	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	-	<0.2
Free Cyanide	0.051	0.01	<0.01	-	<0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	**0.31**	**0.15**	<0.01	-	<0.01	-	0.01
Mercury	1.8	0.05	**13**	-	<0.050	-	<0.050	-	-	0.071	0.22	<0.050	**45**	**41**	**9.5**	0.07	-	0.052	-	0.088
Methyl Mercury	0.0094	0.00001	-	-	-	-	-	-	-	-	<0	-	0.001	**0.0235**	**0.0211**	0.00005	-	-	-	-
Electrical Conductivity (mS/cm)	0.7	0.002	**1.1**	-	0.22	-	0.11	-	-	0.67	0.17	0.18	**1.5**	**2.4**	**4.1**	0.29	-	0.18	-	**1.3**
Sodium Adsorption Ratio (unitless)	5	-	0.49	-	0.5	-	0.45	-	-	4.6	1.6	3	**8.4**	4.8	**6.5**	3	-	0.44	-	1.2
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)	-	**11.7**	7.79	7.62	**11.7**	7.98	8.35	**11.5**	7.9	8.15	7.91	7.71	6.69	6.75	7.54	**12.2**	8.97	**11.6**	7.71

All soil concentrations reported in µg/g unless otherwise indi

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds applicable MECP (2011) Table 2 SCS.

Bold Sample Averaged, Refer to Table D3

Non-detect but detection limit exceeds the MECP (2011) SC

TABLE D2: SOIL ANALYTICAL RESULTS - pH Averaging in Soil

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID		MW101					MW104				MW203			
Sample ID	MECP (2011) Table 2: Full Depth Generic SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	MW101-1	BH214A SS1A	BH214A SS1B	BH214A SS1C	BH214A SS1D	MW104-2	MW104A SS2A	MW104A SS2B	MW104A SS2C	MW203 S1	MW203A SS1A	MW203A SS1B	MW203A SS1C
Lab ID		NA	6073657	6073658	6073659	6073660	NA	6073633	6073634	6073635	ZM3146	6073644	6073645	6073646
Sampling Date		17-Jun-13	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	17-Jun-13	9-Aug-24	9-Aug-24	9-Aug-24	10-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24
Soil Sample Depth (m)		0.13 - 0.46	0.10-0.5	0.10-0.5	0.10-0.5	0.10-0.5	0.66 - 1.32	0.66-1.32	0.66-1.32	0.66-1.32	0.3 - 1.5	0.3-1.5	0.3-1.5	0.3-1.5
Consultant		AECOM	EXP	EXP	EXP	EXP	AECOM	EXP	EXP	EXP	Pinchin	EXP	EXP	EXP
Laboratory		MAXXAM	AGAT	AGAT	AGAT	AGAT	MAXXAM	AGAT	AGAT	AGAT	Maxxam	AGAT	AGAT	AGAT
pH	5-9 (surface soil); 5-11 (subsurface soil)	**11.4**	6.75	6.74	6.73	6.72	**10.1**	6.63	6.68	6.69	**9.52**	7.6	7.46	7.34
Average pH (Calculated)		**6.83**					**6.79**				**7.58**			

Location ID		BH102					BH117				BH211			
Sample ID	MECP (2011) Table 2: Full Depth Generic SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	BH-102-1	BH212A SS1A	BH212A SS1B	BH212A SS1C	BH212A SS1D	BH117 SA1A	BH117A SS1A	BH117A SS1B	BH117A SS1C	BH211 S1	MW104A SS1A	MW104A SS1B	MW104A SS1C
Lab ID		NA	6073653	6073654	6073655	6073656	NA	6073636	6073638	6073639	ZO8322	6073629	6073631	6073632
Sampling Date		16-Jul-13	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	31-Jul-13	12-Aug-24	12-Aug-24	12-Aug-24	18-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24
Soil Sample Depth (m)		0.13 - 0.58	0.10-0.60	0.10-0.60	0.10-0.60	0.10-0.60	0.08 - 0.59	0.08-0.59	0.08-0.59	0.08-0.59	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6
Consultant		AECOM	EXP	EXP	EXP	EXP	AECOM	EXP	EXP	EXP	Pinchin	EXP	EXP	EXP
Laboratory		MAXXAM	AGAT	AGAT	AGAT	AGAT	MAXXAM	AGAT	AGAT	AGAT	Maxxam	AGAT	AGAT	AGAT
pH	5-9 (surface soil); 5-11 (subsurface soil)	**9.02**	6.79	6.82	6.76	6.76	**11.5**	11.2	11.2	11.30	**9.35**	6.56	6.59	6.62
Average pH (Calculated)		**6.88**					**11.28**				**6.71**			

Location ID		BH120					MW123				BH222			
Sample ID	MECP (2011) Table 2: Full Depth Generic SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	BH120-SA1	BH120A SS1A	BH120A SS1B	BH120A SS1C	BH120A SS1D	MW123-1	BH222A SS1A	BH222A SS1B	BH222A SS1C	BH222 S1	BH222A SS1A	BH222A SS1B	BH222A SS1C
Lab ID		NA	6073640	6073641	6073642	6073643	NA	6073661	6073662	6073663	ZN5965	6073661	6073662	6073663
Sampling Date		1-Aug-13	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	5-Jul-13	9-Aug-24	9-Aug-24	9-Aug-24	13-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24
Soil Sample Depth (m)		0.13 - 0.43	0.10-0.5	0.10-0.5	0.10-0.5	0.10-0.5	0.17 - 0.62	0.17-0.62	0.17-0.62	0.17-0.62	0.2 - 0.3	0.2-0.3	0.2-0.3	0.2-0.3
Consultant		AECOM	EXP	EXP	EXP	EXP	AECOM	EXP	EXP	EXP	Pinchin	EXP	EXP	EXP
Laboratory		MAXXAM	AGAT	AGAT	AGAT	AGAT	AECOM	AGAT	AGAT	AGAT	Maxxam	AGAT	AGAT	AGAT
pH	5-9 (surface soil); 5-11 (subsurface soil)	**12**	8.51	8.1	7.88	7.70	**11.3**	6.74	6.74	6.76	**12.2**	6.74	6.74	6.76
Average pH (Calculated)		**8.05**					**6.87**				**6.87**			

Notes

All soil concentrations reported in pH units

'<' = Parameter below detection limit, as indicated

Bold Concentration exceeds MECP (2011) SCS.

Ontario Ministry of the Environment, Conservation and Parks (MECP). 2007. *Technical Update Environmentally Sensitive Areas: pH levels.* January.

Average for pH calculated per MECP (2007) guidance. Average pH = -log[mean(10^-^{sample1}+10^-^{sample2}+10^-^{sample3})]

TABLE D2: SOIL ANALYTICAL RESULTS - pH Averaging in Soil

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Generic SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	MW204							BH215					
Sample ID		MW204 S1	MW204A SS1A	MW2044A SS1A	MW204A SS1B	MW2044A SS1B	MW204A SS1C	MW2044A SS1C	BH215 S1	DUP-4	BH120A SS1A	BH120A SS1B	BH120A SS1C	BH120A SS1D
Lab ID		ZO8314	6073647	6073650	6073648	6073651	6073649	6073652	ZN5963	ZN5967	6073640	6073641	6073642	6073643
Sampling Date		18-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	13-Feb-15	13-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24
Soil Sample Depth (m)		0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 1.2	Field Duplicate of BH215 S1	0.2-1.2	0.2-1.2	0.2-1.2	0.2-1.2
Consultant		Pinchin	EXP	EXP	EXP	EXP	EXP	EXP	Pinchin	Pinchin	EXP	EXP	EXP	EXP
Laboratory		Maxxam	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	Maxxam	Maxxam	AGAT	AGAT	AGAT	AGAT
pH	5-9 (surface soil); 5-11 (subsurface soil)	**11**	7.25	6.92	7.17	6.82	7.13	6.79	8.35	**11.5**	8.51	8.1	7.88	7.70
Average pH (Calculated)		**7.04**							**8.09**					

Location ID	MECP (2011) Table 2: Full Depth Generic SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	BH212					BH223			
Sample ID		BH212 S1	BH212A SS1A	BH212A SS1B	BH212A SS1C	BH212A SS1D	BH223 S1	BH117A SS1A	BH117A SS1B	BH117A SS1C
Lab ID		ZO8324	6073653	6073654	6073655	6073656	ZO8326	6073636	6073638	6073639
Sampling Date		18-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	18-Feb-15	12-Aug-24	12-Aug-24	12-Aug-24
Soil Sample Depth (m)		0.2 - 0.5	0.2-0.5	0.2-0.5	0.2-0.5	0.2-0.5	0.0 - 0.8	0-0.8	0-0.8	0-0.8
Consultant		Pinchin	EXP	EXP	EXP	EXP	Pinchin	EXP	EXP	EXP
Laboratory		Maxxam	AGAT	AGAT	AGAT	AGAT	Maxxam	AGAT	AGAT	AGAT
pH	5-9 (surface soil); 5-11 (subsurface soil)	**11.7**	6.79	6.82	6.76	6.76	**11.6**	11.2	11.2	11.30
Average pH (Calculated)		**6.88**					**11.30**			

Location ID	MECP (2011) Table 2: Full Depth Generic SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	BH214				
Sample ID		BH214 S1	BH214A SS1A	BH214A SS1B	BH214A SS1C	BH214A SS1D
Lab ID		ZN5961	6073657	6073658	6073659	6073660
Sampling Date		13-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24
Soil Sample Depth (m)		0.2 - 0.5	0.2-0.5	0.2-0.5	0.2-0.5	0.2-0.5
Consultant		Pinchin	EXP	EXP	EXP	EXP
Laboratory		Maxxam	AGAT	AGAT	AGAT	AGAT
pH	5-9 (surface soil); 5-11 (subsurface soil)	**11.7**	6.75	6.74	6.73	6.72
Average pH (Calculated)		**6.83**				

Notes

All soil concentrations reported in pH units

'<' = Parameter below detection limit, as indicated

Bold Concentration exceeds MECP (2011) SCS.

Ontario Ministry of the Environment, Conservation and Parks (MECP). 2007. *Technical Update Environmentally Sensitive Areas: pH levels.* January.

Average for pH calculated per MECP (2007) guidance. Average pH = -log[mean(10^-^{sample1}+10^-^{sample2}+10^-^{sample3})]

TABLE D3: SOIL ANALYTICAL RESULTS - Soil Averaging

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

						PAHs
					Table 2 SCS	0.69
Sample Location	Sample ID	Sample Depth (mbgs)	Sampling Date	Laboratory	Certificate of Analysis Number	Fluoranthene
TP204	TP204 SS2	2	3-Jul-24	AGAT	24H173665	**1.28**
	TP204 SS2A	2	3-Jul-24	AGAT	24H173665	0.52
	TP204 SS2B	2	3-Jul-24	AGAT	24H173665	0.19
	TP204 SS2C	2	3-Jul-24	AGAT	24H173665	0.30
	Average					**0.57**

Notes:

	All results in µg/g unless otherwise indicated.
BOLD	Indicate an exceedance of the Table 2 SCS
mbgs	Metres below ground surface
NV	No Value
"-"	means not analyzed
RDL	means reporting detection limit
Average	Average uses half RDL value when sample is non-detect

TABLE D4: GROUNDWATER ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID			MW1		MW2		MW4	MW101	MW104		MW107		MW108		MW110S	MW110D					
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW1	MW 1	MW2	MW2	MW04	MW101	MW104	MW1044	MW107	MW107	MW108	MW108	MW 1105	MW110D	MW110D	Duplicate of MW110D	MW110D	MW110D	Duplicate of MW110D
Lab ID			5144336	6058378	ZQP043	6061510	6073579	6061507	5144337	5144340	5144341	6016076	ZQP044	6061508	6058417	TIX428	VOT041	VOT044	5144344	N/A	N/A
Sampling Date			13-Jul-23	6-Aug-24	4-Jul-24	8-Aug-24	9-Aug-24	8-Aug-24	13-Jul-23	13-Jul-23	12-Jul-23	17-Jul-24	4-Jul-24	8-Aug-24	6-Aug-24	Aug-22	Apr-23	Apr-23	13-Jul-23	19-Oct-23	19-Oct-23
Screen length (m)			3.51 - 5.00		4.18 - 6.34		3.96 - 5.47	3.66 - 5.18	5.18 - 7.01	Field Duplicate of MW104	3.50 - 5.03		4.67 - 6.20		1.04 - 2.62	3.86 - 5.54		Field Duplicate of MW110D	3.86 - 5.54		Field Duplicate of MW110D
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	Arcadis	Arcadis	Arcadis	EXP	Arcadis	Arcadis
Laboratory			AGAT	AGAT	BV Labs	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	BV Labs	AGAT	AGAT	N/A	N/A	N/A	AGAT	N/A	N/A
Certificate of Analysis Number			23H047149	24H182602	C4K5576	24T183314	24H184763	24T183314	23H047149	23H047149	23H047149	24H175816	C4K5576	24T183314	24H182602	N/A	N/A	N/A	23H047149	N/A	N/A
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																					
Benzene	5	0.20	-	<0.20	-	<0.20	<0.20	<0.20	0.36	0.55	<0.20	-	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<2.0	<2.0
Toluene	24	0.20	-	<0.20	-	<0.20	<0.20	<0.20	1.03	0.84	<0.20	-	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<2.0	<2.0
Ethylbenzene	2.4	0.10	-	<0.10	-	<0.10	<0.10	<0.10	0.36	0.63	<0.10	-	-	<0.10	-	<0.20	<0.20	<0.20	<0.10	<2.0	<2.0
o-Xylene	NV	0.10	-	<0.10	-	<0.10	<0.10	<0.10	1.74	2.01	<0.20	-	-	<0.10	-	<0.20	<0.20	<0.20	<0.20	<2.0	<2.0
m-Xylene + p-Xylene	NV	0.10	-	<0.20	-	<0.20	<0.20	<0.20	0.54	0.61	<0.10	-	-	<0.20	-	<0.20	<0.20	<0.20	<0.10	<2.0	<2.0
Xylenes (Total)	300	0.20	-	<0.20	-	<0.20	<0.20	<0.20	2.28	2.62	<0.20	-	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<2.0	<2.0
Petroleum Hydrocarbons (PHCs)																					
PHC F1 (C6-C10)	750	25	-	<25	-	-	-	-	<25	<25	-	-	-	-	-	-	-	-	-	-	-
PHC F1 (C6-C10) - BTEX	750	25	-	<25	-	-	-	-	<25	<25	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (C10-C16)	150	100	-	<100	-	-	-	-	<100	<100	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (C16-C34)	500	100	-	<100	-	-	-	-	<100	<100	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (C34-C50)	500	100	-	<100	-	-	-	-	<100	<100	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																					
Acetone	2700	1	-	-	-	<1.0	<1.0	<1.0	<1.0	-	<1.0	-	-	<1.0	-	<10	<10	<10	<1.0	<100	<100
Bromodichloromethane	16	0.20	-	-	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	-	<0.20	-	<0.50	<0.50	<0.50	<0.20	<5.0	<5.0
Bromoform	25	0.10	-	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	-	<0.10	-	<1.0	<1.0	<1.0	<0.10	<10.0	<10.0
Bromomethane	0.89	0.20	-	-	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	-	<0.20	-	<0.50	<0.50	<0.50	<0.20	<5.0	<5.0
Carbon Tetrachloride	5	0.19	-	-	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	-	<0.20	-	<0.19	<0.19	<0.19	<0.20	<1.9	<1.9
Chlorobenzene	30	0.10	-	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	-	<0.10	-	<0.20	<0.20	<0.20	<0.10	<2.0	<2.0
Chloroform	22	0.20	-	-	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<2.0	<2.0
Dibromochloromethane	25	0.10	-	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	-	<0.10	-	<0.50	<0.50	<0.50	<0.10	<5.0	<5.0
1,2-Dichlorobenzene	3	0.10	-	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	-	<0.10	-	<0.40	<0.40	<0.40	<0.10	<4.0	<4.0
1,3-Dichlorobenzene	59	0.10	-	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	-	<0.10	-	<0.40	<0.40	<0.40	<0.10	<4.0	<4.0
1,4-Dichlorobenzene	1	0.10	-	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	-	<0.10	-	<0.40	<0.40	<0.40	<0.10	<4.0	<4.0
Dichlorodifluoromethane	590	0.40	-	-	-	<0.40	<0.40	<0.40	<0.40	-	<0.40	-	-	<0.40	-	<1.0	<1.0	<1.0	<0.40	<10	<10
1,1-Dichloroethane	5	0.20	-	-	-	<0.30	<0.30	<0.30	<0.30	-	<0.30	-	-	<0.30	-	<0.20	<0.20	<0.20	<0.30	<2.0	<2.0
1,2-Dichloroethane	5	0.20	-	-	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	-	<0.20	-	<0.49	<0.49	<0.49	<0.20	<4.9	<4.9
1,1-Dichloroethylene	14	0.20	-	-	-	<0.30	<0.30	<0.30	<0.30	-	1.52	-	-	<0.30	-	6.8	1	1	2.1	<2.0	<2.0
Cis-1,2-Dichloroethylene	17	0.20	-	-	-	<0.20	<0.20	<0.20	**28**	-	**113**	-	-	<0.20	-	**910**	**150**	**140**	**261**	9.3	8.5
Trans-1,2-Dichloroethylene	17	0.20	-	-	-	<0.20	<0.20	<0.20	0.63	-	3.3	-	-	<0.20	-	8.1	1.1	1.1	3.4	<5.0	<5.0
1,2-Dichloropropane	5	0.20	-	-	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<2.0	<2.0
Ethylene Dibromide (1,2-Dibromoethane)	0.2	0.10	-	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	-	<0.10	-	<0.19	<0.19	<0.19	<0.10	<1.9	<1.9
Hexane (n)	520	0.20	-	-	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	-	<0.20	-	<1.0	<1.0	<1.0	<0.20	<10.0	<10.0
Methylene chloride (Dichloromethane)	50	0.30	-	-	-	<0.30	<0.30	<0.30	<0.30	-	<0.30	-	-	<0.30	-	<2.0	<2.0	<2.0	<0.30	<20	<20
Methyl ethyl ketone (2-Butanone)	1800	1	-	-	-	<1.0	<1.0	<1.0	<1.0	-	<1.0	-	-	<1.0	-	<10	<10	<10	<1.0	<100	<100
Methyl Isobutyl Ketone	640	1.0	-	-	-	<1.0	<1.0	<1.0	<1.0	-	<1.0	-	-	<1.0	-	<5.0	<5.0	<5.0	<1.0	<50	<50
Methyl t-butyl ether (MTBE)	15	0.20	-	-	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	-	<0.20	-	<0.50	<0.50	<0.50	<0.20	<5.0	<5.0
Styrene	5.4	0.10	-	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	-	<0.10	-	<0.40	<0.40	<0.40	<0.10	<4.0	<4.0
1,1,1,2-Tetrachloroethane	1.1	0.10	-	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	-	<0.10	-	<0.50	<0.50	<0.50	<0.10	<5.0	<5.0
1,1,2,2-Tetrachloroethane	1	0.10	-	-	-	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	-	<0.10	-	<0.40	<0.40	<0.40	<0.10	<4.0	<4.0
Tetrachloroethylene	17	0.20	-	-	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<2.0	<2.0
1,1,1-Trichloroethane	200	0.20	-	-	-	<0.30	<0.30	<0.30	<0.30	-	<0.30	-	-	<0.30	-	<0.20	<0.20	<0.20	<0.30	<2.0	<2.0
1,1,2-Trichloroethane	5	0.20	-	-	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	-	<0.20	-	<0.40	<0.40	<0.40	<0.20	<4.0	<4.0
Trichloroethylene	5	0.20	-	-	-	<0.20	<0.20	<0.20	4.96	-	**282**	-	-	<0.20	-	**55**	2.7	2.6	0.94	<2.0	<2.0
Trichlorofluoromethane	150	0.40	-	-	-	<0.40	<0.40	<0.40	<0.40	-	<0.40	-	-	<0.40	-	<0.50	<0.50	<0.50	<0.40	<5.0	<5.0
Vinyl Chloride	1.7	0.17	-	-	-	<0.17	<0.17	<0.17	**3.27**	-	**7.5**	-	-	<0.17	-	**31**	**20**	**18**	**134**	**160**	**160**
1,3-Dichloropropene	0.5	0.30	-	-	-	<0.30	<0.30	<0.30	<0.30	-	<0.30	-	-	<0.30	-	<0.50	<0.50	<0.50	<0.30	<5.0	<5.0
Polycyclic Aromatic Hydrocarbons																					
1&2-Methylnaphthalene	3.2	0.20	-	<0.20	-	-	-	-	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	-	-	-
Acenaphthene	4.1	0.20	-	<0.20	-	-	-	-	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	-	-	-

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID			MW1		MW2		MW4	MW101	MW104		MW107		MW108		MW110S	MW110D					
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW1	MW 1	MW2	MW2	MW04	MW101	MW104	MW1044	MW107	MW107	MW108	MW108	MW 1105	MW110D	MW110D	Duplicate of MW110D	MW110D	MW110D	Duplicate of MW110D
Lab ID			5144336	6058378	ZQP043	6061510	6073579	6061507	5144337	5144340	5144341	6016076	ZQP044	6061508	6058417	TIX428	VOT041	VOT044	5144344	N/A	N/A
Sampling Date			13-Jul-23	6-Aug-24	4-Jul-24	8-Aug-24	9-Aug-24	8-Aug-24	13-Jul-23	13-Jul-23	12-Jul-23	17-Jul-24	4-Jul-24	8-Aug-24	6-Aug-24	Aug-22	Apr-23	Apr-23	13-Jul-23	19-Oct-23	19-Oct-23
Screen length (m)			3.51 - 5.00		4.18 - 6.34		3.96 - 5.47	3.66 - 5.18	5.18 - 7.01	Field Duplicate of MW104	3.50 - 5.03		4.67 - 6.20		1.04 - 2.62	3.86 - 5.54		Field Duplicate of MW110D	3.86 - 5.54		Field Duplicate of MW110D
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	Arcadis	Arcadis	Arcadis	EXP	Arcadis	Arcadis
Laboratory			AGAT	AGAT	BV Labs	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	BV Labs	AGAT	AGAT	N/A	N/A	N/A	AGAT	N/A	N/A
Certificate of Analysis Number			23H047149	24H182602	C4K5576	24T183314	24H184763	24T183314	23H047149	23H047149	23H047149	24H175816	C4K5576	24T183314	24H182602	N/A	N/A	N/A	23H047149	N/A	N/A
Acenaphthylene	1	0.20	-	<0.20	-	-	-	-	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	-	-	-
Anthracene	2.4	0.10	-	<0.10	-	-	-	-	<0.10	<0.10	-	<0.10	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	1	0.20	-	<0.20	-	-	-	-	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.01	0.01	-	<0.01	-	-	-	-	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-
Benzo(b/j)fluoranthene	0.1	0.10	-	<0.10	-	-	-	-	<0.10	<0.10	-	<0.10	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	0.2	0.20	-	<0.20	-	-	-	-	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.1	0.10	-	<0.10	-	-	-	-	<0.10	<0.10	-	<0.10	-	-	-	-	-	-	-	-	-
Chrysene	0.1	0.10	-	<0.10	-	-	-	-	<0.10	<0.10	-	<0.10	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.20	-	<0.20	-	-	-	-	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	-	-	-
Fluoranthene	0.41	0.20	-	<0.20	-	-	-	-	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	-	-	-
Fluorene	120	0.20	-	<0.20	-	-	-	-	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.2	0.20	-	<0.20	-	-	-	-	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	-	-	-
Naphthalene	11	0.20	-	<0.20	-	-	-	-	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	-	-	-
Phenanthrene	1	0.10	-	<0.10	-	-	-	-	<0.10	<0.10	-	<0.10	-	-	-	-	-	-	-	-	-
Pyrene	4.1	0.20	-	<0.20	-	-	-	-	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs)																					
Total PCB	3	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Barium	1000	2	201	118	-	42.7	-	-	-	-	47.5	-	-	-	18.6	-	-	-	-	-	-
Beryllium	4	0.5	<0.50	<0.50	-	<0.50	-	-	-	-	<0.50	-	-	-	<0.50	-	-	-	-	-	-
Boron (Total)	5000	10	189	<10.0	-	2330	-	-	-	-	148	-	-	-	<10.0	-	-	-	-	-	-
Cadmium	2.7	0.2	<0.20	<0.20	-	<0.20	-	-	-	-	<0.20	-	-	-	0.52	-	-	-	-	-	-
Chromium (total)	50	2	<2.0	<2.0	-	<2.0	-	-	-	-	<2.0	-	-	-	<2.0	-	-	-	-	-	-
Cobalt	3.8	0.5	<0.50	<0.50	-	<0.50	-	-	-	-	<0.50	-	-	-	<0.50	-	-	-	-	-	-
Copper	87	1	1	<1.0	-	<1.0	-	-	-	-	1.6	-	-	-	<1.0	-	-	-	-	-	-
Lead	10	0.5	<0.50	<0.50	-	<0.50	-	-	-	-	<0.50	-	-	-	<0.50	-	-	-	-	-	-
Molybdenum	70	0.5	6.15	8.63	-	0.55	-	-	-	-	3.62	-	-	-	2.98	-	-	-	-	-	-
Nickel	100	1	<1.0	1.5	-	<1.0	-	-	-	-	<1.0	-	-	-	<1.0	-	-	-	-	-	-
Silver	1.5	0.2	<0.20	<0.20	-	0.34	-	-	-	-	<0.20	-	-	-	<0.20	-	-	-	-	-	-
Thallium	2	0.3	<0.30	<0.30	-	<0.30	-	-	-	-	<0.30	-	-	-	<0.30	-	-	-	-	-	-
Uranium	20	0.5	1.46	1.26	-	<0.50	-	-	-	-	7.34	-	-	-	0.52	-	-	-	-	-	-
Vanadium	6.2	0.4	<0.40	<0.40	-	<0.40	-	-	-	-	<0.40	-	-	-	<0.40	-	-	-	-	-	-
Zinc	1100	5	5.2	5.1	-	40.8	-	-	-	-	<5.0	-	-	-	<5.0	-	-	-	-	-	-
Hydride-Forming Metals																					
Antimony	6	1	<1.0	<1.0	-	<1.0	-	-	-	-	<1.0	-	-	-	<1.0	-	-	-	-	-	-
Arsenic	25	1	1.6	<1.0	-	<1.0	-	-	-	-	<1.0	-	-	-	8.67	-	-	-	-	-	-
Selenium	10	1	<1.0	1.2	-	1.8	-	-	-	-	1	-	-	-	<1.0	-	-	-	-	-	-
Other Regulated Parameters (ORPs)																					
Chromium VI	25	2	-	<2.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1	0.02	-	<0.02	-	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	-	-
Methyl Mercury	0.15	0.00005	-	-	<0.00005	-	-	-	-	-	-	-	<0.00005	-	-	-	-	-	-	-	-

All groundwater concentrations reported in µg/L.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Non-detect but detection limit exceeds the MECP (2011) SCS

TABLE D4: GROUNDWATER ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW111			MW112		MW113	MW114	MW116	MW118	MW119A	MW120	MW122	MW123		MW125					
Sample ID			MW111	MW1111	MW111	MW 112	MW 1122	MW113	MW 114	MW116	MW118	MW119A	MW120	MW122	MW123	MW123	MW125	MW125	MW125	MW125	MW125	MW125
Lab ID			5144345	5144346	6016077	6058419	6058424	5144347	6058425	6061506	5144348	6076127	6073581	6061505	6061502	AAXN63	TJQ276	VOT039	5291751	5388863	N/A	5966396
Sampling Date			13-Jul-23	13-Jul-23	17-Jul-24	6-Aug-24	6-Aug-24	13-Jul-23	6-Aug-24	8-Aug-24	13-Jul-23	13-Aug-24	9-Aug-24	8-Aug-24	8-Aug-24	23-Aug-24	Aug-22	Apr-23	14-Sep-23	19-Oct-23	19-Oct-23	24-Jun-24
Screen length (m)			3.89 - 5.56	Field Duplicate of MW111	3.89 - 5.56	3.81-5.33	Field Duplicate of MW 112	1.29 - 2.81	4.04 - 5.56	3.96 - 5.49	4.70 - 6.22	3.96 - 7.01	3.48 - 5.00	3.66 - 5.18	5.64 - 7.16		1.22 - 2.74					
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	Arcadis	Arcadis	EXP	EXP	Arcadis	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	BV Labs	N/A	N/A	AGAT	AGAT	N/A	AGAT
Certificate of Analysis Number			23H047149	23H047149	24H175816	24H182602	24H182602	23H047149	24H182602	24T183314	23H047149	24H185136	24H184763	24T183314	24T183314	C4Q4099	N/A	N/A	23H069763	23H083947	N/A	24H167490
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																						
Benzene	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20
Toluene	24	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20
Ethylbenzene	2.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.13	0.12	-	<0.20	<0.20	<0.20	<0.10	<0.20	<0.10
o-Xylene	NV	0.10	<0.20	<0.20	<0.10	<0.10	<0.10	<0.20	<0.10	0.13	<0.20	<0.10	<0.10	0.16	0.15	-	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20
m-Xylene + p-Xylene	NV	0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.10	<0.20	0.44	<0.10	<0.20	<0.20	0.6	0.53	-	<0.20	<0.20	<0.20	<0.10	<0.20	<0.10
Xylenes (Total)	300	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.57	<0.20	<0.20	<0.20	0.76	0.68	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Petroleum Hydrocarbons (PHCs)																						
PHC F1 (C6-C10)	750	25	-	-	-	-	-	-	-	-	-	<25	-	-	-	-	-	-	-	-	-	-
PHC F1 (C6-C10) - BTEX	750	25	-	-	-	-	-	-	-	-	-	<25	-	-	-	-	-	-	-	-	-	-
PHC F2 (C10-C16)	150	100	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
PHC F3 (C16-C34)	500	100	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
PHC F4 (C34-C50)	500	100	-	-	-	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																						
Acetone	2700	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	-	<10	<10	<2.0	<1.0	<10	<1.0
Bromodichloromethane	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.50	<0.50	<0.40	<0.20	<0.50	<0.20
Bromoform	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	-	<1.0	<1.0	<0.20	<0.10	<1.0	<0.10
Bromomethane	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.50	<0.50	<0.40	<0.20	<0.50	<0.20
Carbon Tetrachloride	5	0.19	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.19	<0.19	<0.40	<0.20	<0.19	<0.20
Chlorobenzene	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	-	<0.20	<0.20	<0.20	<0.10	<0.20	<0.10
Chloroform	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	0.45	<0.20	-	<0.20	<0.20	1.07	<0.20	0.22	<0.20
Dibromochloromethane	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	-	<0.50	<0.50	<0.20	<0.10	<0.50	<0.10
1,2-Dichlorobenzene	3	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	-	<0.40	<0.40	<0.20	<0.10	<0.40	<0.10
1,3-Dichlorobenzene	59	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	-	<0.40	<0.40	<0.20	<0.10	<0.40	<0.10
1,4-Dichlorobenzene	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	-	<0.40	<0.40	<0.20	<0.10	<0.40	<0.10
Dichlorodifluoromethane	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	-	<0.40	<0.40	<0.40	-	<1.0	<1.0	<0.80	<0.40	<1.0	<0.40
1,1-Dichloroethane	5	0.20	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	<0.30	<0.30	<0.30	-	<0.20	<0.20	<0.60	<0.30	<0.20	<0.20
1,2-Dichloroethane	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.49	<0.49	<0.40	<0.20	<0.49	<0.30
1,1-Dichloroethylene	14	0.20	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	<0.30	<0.30	<0.30	-	<0.20	0.22	<0.60	<0.30	<0.20	<0.30
Cis-1,2-Dichloroethylene	17	0.20	13.1	13.4	**18.2**	10.2	9.91	15.3	3.25	<0.20	2.84	-	<0.20	<0.20	<0.20	-	0.72	**87**	4.62	1.67	2	13
Trans-1,2-Dichloroethylene	17	0.20	0.81	0.72	0.51	<0.20	<0.20	0.48	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.50	0.64	<0.40	<0.20	<0.50	<0.20
1,2-Dichloropropane	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20
Ethylene Dibromide (1,2-Dibromoethane)	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	-	<0.19	<0.19	<0.20	<0.10	<0.19	<0.10
Hexane (n)	520	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	-	<1.0	<1.0	<0.40	<0.20	<1.0	<0.20
Methylene chloride (Dichloromethane)	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	<0.30	<0.30	<0.30	-	<2.0	<2.0	<0.60	<0.30	<2.0	<0.30
Methyl ethyl ketone (2-Butanone)	1800	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	-	<10	<10	<2.0	<1.0	<10	<1.0
Methyl Isobutyl Ketone	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	-	<5.0	<5.0	<2.0	<1.0	<5.0	<1.0
Methyl t-butyl ether (MTBE)	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.50	<0.50	<0.40	<0.20	<0.50	<0.20
Styrene	5.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	-	<0.40	<0.40	<0.20	<0.10	<0.40	<0.10
1,1,1,2-Tetrachloroethane	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	-	<0.50	<0.50	<0.20	<0.10	<0.50	<0.10
1,1,2,2-Tetrachloroethane	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	<0.10	<0.10	-	<0.40	<0.40	<0.20	<0.10	<0.40	<0.10
Tetrachloroethylene	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	200	0.20	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	<0.30	<0.30	<0.30	-	<0.20	<0.20	<0.60	<0.30	<0.20	<0.30
1,1,2-Trichloroethane	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.40	<0.40	<0.40	<0.20	<0.40	<0.20
Trichloroethylene	5	0.20	3.15	3.21	**8.12**	<0.20	<0.20	0.63	<0.20	<0.20	**13.4**	-	<0.20	<0.20	<0.20	-	<0.20	**11**	<0.40	<0.20	<0.20	<0.20
Trichlorofluoromethane	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	-	<0.40	<0.40	<0.40	-	<0.50	<0.50	<0.80	<0.40	<0.50	<0.40
Vinyl Chloride	1.7	0.17	**2.11**	1.68	1.46	**3.31**	**3.31**	<0.17	1.04	<0.17	0.24	-	<0.17	<0.17	<0.17	-	<0.20	1.3	**3.68**	1.26	1.4	0.89
1,3-Dichloropropene	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	<0.30	<0.30	<0.30	-	<0.50	<0.50	<0.30	<0.30	<0.50	<0.30
Polycyclic Aromatic Hydrocarbons																						
1&2-Methylnaphthalene	3.2	0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4.1	0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	-	-	-	-	-	-

TABLE D4: GROUNDWATER ANALYTICAL RESULTS

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW111			MW112		MW113	MW114	MW116	MW118	MW119A	MW120	MW122	MW123		MW125					
Sample ID			MW111	MW1111	MW111	MW 112	MW 1122	MW113	MW 114	MW116	MW118	MW119A	MW120	MW122	MW123	MW123	MW125	MW125	MW125	MW125	MW125	MW125
Lab ID			5144345	5144346	6016077	6058419	6058424	5144347	6058425	6061506	5144348	6076127	6073581	6061505	6061502	AAXN63	TJQ276	VOT039	5291751	5388863	N/A	5966396
Sampling Date			13-Jul-23	13-Jul-23	17-Jul-24	6-Aug-24	6-Aug-24	13-Jul-23	6-Aug-24	8-Aug-24	13-Jul-23	13-Aug-24	9-Aug-24	8-Aug-24	8-Aug-24	23-Aug-24	Aug-22	Apr-23	14-Sep-23	19-Oct-23	19-Oct-23	24-Jun-24
Screen length (m)			3.89 - 5.56	Field Duplicate of MW111	3.89 - 5.56	3.81-5.33	Field Duplicate of MW 112	1.29 - 2.81	4.04 - 5.56	3.96 - 5.49	4.70 - 6.22	3.96 - 7.01	3.48 - 5.00	3.66 - 5.18	5.64 - 7.16		1.22 - 2.74					
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	Arcadis	Arcadis	EXP	EXP	Arcadis	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	BV Labs	N/A	N/A	AGAT	AGAT	N/A	AGAT
Certificate of Analysis Number			23H047149	23H047149	24H175816	24H182602	24H182602	23H047149	24H182602	24T183314	23H047149	24H185136	24H184763	24T183314	24T183314	C4Q4099	N/A	N/A	23H069763	23H083947	N/A	24H167490
Acenaphthylene	1	0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	-	-	-	-	-	-
Anthracene	2.4	0.10	-	-	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	1	0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.01	0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-
Benzo(b/j)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	0.2	0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-
Chrysene	0.1	0.10	-	-	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	-	-	-	-	-	-
Fluoranthene	0.41	0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	-	-	-	-	-	-
Fluorene	120	0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.2	0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	-	-	-	-	-	-
Naphthalene	11	0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1	0.10	-	-	-	-	-	-	-	-	-	<0.10	-	-	-	-	-	-	-	-	-	-
Pyrene	4.1	0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs)																						
Total PCB	3	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
Metals																						
Barium	1000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	148
Beryllium	4	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.50
Boron (Total)	5000	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	171
Cadmium	2.7	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.20
Chromium (total)	50	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2.0
Cobalt	3.8	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58
Copper	87	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4
Lead	10	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.50
Molybdenum	70	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.06
Nickel	100	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3
Silver	1.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.20
Thallium	2	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.30
Uranium	20	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.81
Vanadium	6.2	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08
Zinc	1100	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4
Hydride-Forming Metals																						
Antimony	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0
Arsenic	25	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7
Selenium	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0
Other Regulated Parameters (ORPs)																						
Chromium VI	25	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Mercury	0.15	0.00005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

All groundwater concentrations reported in µg/L.

RDL = Reporting Detection Limit

* Maximum RDL below MECP (2011) SCS

'<' = Parameter below detection limit, as indicated

'NV'= No value

NA= Not applicable or not analyzed

Bold Concentration exceeds MECP (2011) Table 1 SCS.

Non-detect but detection limit exceeds the MECP (2011) SCS

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID			MW126			MW127	MW129	MW130		MW131						MW132S	MW132D		MW133	MW133A	
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW126	MW1266	MW126	MW 127	MW 129	MW130	MW130	MW 131	MW 131	MW 131	MW 131	MW131	MW131	MW132S	MW132D	MW132D-1	MW133	MW133A	MW133A
Lab ID			5144349	5144350	5966400	6058426	6058432	5144351	6016079	TIX429	VOT042	5144352	N/A	5966419	6016084	5966420	5966424	5966437	5966439	6076134	AAXN59
Sampling Date			13-Jul-23	13-Jul-23	26-Jun-24	6-Aug-24	6-Aug-24	13-Jul-23	17-Jul-24	Aug-22	Apr-23	12-Jul-23	19-Oct-23	26-Jun-24	17-Jul-24	26-Jun-24	24-Jun-24	24-Jun-24	26-Jun-24	13-Aug-24	23-Aug-24
Screen length (m)			1.37 - 2.90	Field Duplicate of MW126	1.37 - 2.90	1.37 - 2.90	1.27 - 2.90	4.11 - 5.64		1.22 - 2.74						1.22 - 2.74	7.77 - 9.30	Field Duplicate of MW132D	1.98 - 3.51	5.49-7.01	
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	Arcadis	Arcadis	EXP	Arcadis	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	N/A	N/A	AGAT	N/A	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	BV Labs
Certificate of Analysis Number			23H047149	23H047149	24H167490	24H182602	24H182602	23H047149	24H175816	N/A	N/A	23H047149	N/A	24H167490	24H175816	24H167490	24H167490	24H167490	24H167490	24H185136	C4Q4099
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																					
Benzene	5	0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	-	<0.20
Toluene	24	0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	-	<0.20
Ethylbenzene	2.4	0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20	<0.20	<0.10	<0.20	-	<0.10	-	<0.10	<0.10	-	-	<0.20
o-Xylene	NV	0.10	<0.20	-	<0.20	<0.10	<0.10	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.10	-	<0.20	<0.20	-	-	<0.20
m-Xylene + p-Xylene	NV	0.10	<0.10	-	<0.10	<0.20	<0.20	<0.10	-	<0.20	<0.20	<0.10	<0.20	-	<0.20	-	<0.10	<0.10	-	-	<0.20
Xylenes (Total)	300	0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	-	<0.20
Petroleum Hydrocarbons (PHCs)																					
PHC F1 (C6-C10)	750	25	51	-	28	<25	<25	-	-	-	-	-	-	-	<25	-	-	-	-	-	-
PHC F1 (C6-C10) - BTEX	750	25	51	-	28	<25	<25	-	-	-	-	-	-	-	<25	-	-	-	-	-	-
PHC F2 (C10-C16)	150	100	**718**	-	**514**	<100	<100	-	-	-	-	-	-	-	<100	-	-	-	-	-	-
PHC F3 (C16-C34)	500	100	<100	-	<100	<100	<100	-	-	-	-	-	-	-	<100	-	-	-	-	-	-
PHC F4 (C34-C50)	500	100	<100	-	<100	<100	<100	-	-	-	-	-	-	-	<100	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																					
Acetone	2700	1	<1.0	-	-	-	<1.0	<1.0	-	<10	<10	<1.0	<10	-	-	-	<1.0	<1.0	-	-	<10
Bromodichloromethane	16	0.20	<0.20	-	-	-	<0.20	<0.20	-	<0.50	<0.50	<0.20	<0.50	-	-	-	<0.20	<0.20	-	-	<0.50
Bromoform	25	0.10	<0.10	-	-	-	<0.10	<0.10	-	<1.0	<1.0	<0.10	<1.0	-	-	-	<0.10	<0.10	-	-	<1.0
Bromomethane	0.89	0.20	<0.20	-	-	-	<0.20	<0.20	-	<0.50	<0.50	<0.20	<0.50	-	-	-	<0.20	<0.20	-	-	<0.50
Carbon Tetrachloride	5	0.19	<0.20	-	-	-	<0.20	<0.20	-	<0.19	<0.19	<0.20	<0.19	-	-	-	<0.20	<0.20	-	-	<0.19
Chlorobenzene	30	0.10	<0.10	-	-	-	<0.10	<0.10	-	<0.20	<0.20	<0.10	<0.20	-	-	-	<0.10	<0.10	-	-	<0.20
Chloroform	22	0.20	<0.20	-	-	-	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	-	-	<0.20	<0.20	-	-	<0.20
Dibromochloromethane	25	0.10	<0.10	-	-	-	<0.10	<0.10	-	<0.50	<0.50	<0.10	<0.50	-	-	-	<0.10	<0.10	-	-	<0.50
1,2-Dichlorobenzene	3	0.10	<0.10	-	-	-	<0.10	<0.10	-	<0.40	<0.40	<0.10	<0.40	-	-	-	<0.10	<0.10	-	-	<0.40
1,3-Dichlorobenzene	59	0.10	<0.10	-	-	-	<0.10	<0.10	-	<0.40	<0.40	<0.10	<0.40	-	-	-	<0.10	<0.10	-	-	<0.40
1,4-Dichlorobenzene	1	0.10	<0.10	-	-	-	<0.10	<0.10	-	<0.40	<0.40	<0.10	<0.40	-	-	-	<0.10	<0.10	-	-	<0.40
Dichlorodifluoromethane	590	0.40	<0.40	-	-	-	<0.40	<0.40	-	<1.0	<1.0	<0.40	<1.0	-	-	-	<0.40	<0.40	-	-	<1.0
1,1-Dichloroethane	5	0.20	<0.30	-	-	-	<0.30	<0.30	-	<0.20	<0.20	<0.30	<0.20	-	-	-	<0.20	<0.20	-	-	<0.20
1,2-Dichloroethane	5	0.20	<0.20	-	-	-	<0.20	<0.20	-	<0.49	<0.49	<0.20	<0.49	-	-	-	<0.30	<0.30	-	-	<0.49
1,1-Dichloroethylene	14	0.20	<0.30	-	-	-	<0.30	<0.30	-	1.2	1.4	1.87	<0.20	-	-	-	<0.30	<0.30	-	-	<0.20
Cis-1,2-Dichloroethylene	17	0.20	<0.20	-	-	-	0.7	1.79	-	-	-	**508**	**21**	-	-	-	<0.20	<0.20	-	-	<0.50
Trans-1,2-Dichloroethylene	17	0.20	<0.20	-	-	-	<0.20	<0.20	-	3.8	3.9	13	4.9	-	-	-	<0.20	<0.20	-	-	<0.50
1,2-Dichloropropane	5	0.20	<0.20	-	-	-	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	-	-	<0.20	<0.20	-	-	<0.20
Ethylene Dibromide (1,2-Dibromoethane)	0.2	0.10	<0.10	-	-	-	<0.10	<0.10	-	<0.19	<0.19	<0.10	<0.19	-	-	-	<0.10	<0.10	-	-	<0.19
Hexane (n)	520	0.20	<0.20	-	-	-	<0.20	<0.20	-	<1.0	<1.0	<0.20	<1.0	-	-	-	<0.20	<0.20	-	-	<1.0
Methylene chloride (Dichloromethane)	50	0.30	<0.30	-	-	-	<0.30	<0.30	-	<2.0	<2.0	<0.30	<2.0	-	-	-	<0.30	<0.30	-	-	<2.0
Methyl ethyl ketone (2-Butanone)	1800	1	<1.0	-	-	-	<1.0	<1.0	-	<10	<10	<1.0	38	-	-	-	<1.0	<1.0	-	-	<10
Methyl Isobutyl Ketone	640	1.0	<1.0	-	-	-	<1.0	<1.0	-	<5.0	<5.0	<1.0	<5.0	-	-	-	<1.0	<1.0	-	-	<5.0
Methyl t-butyl ether (MTBE)	15	0.20	<0.20	-	-	-	<0.20	<0.20	-	<0.50	<0.50	<0.20	<0.50	-	-	-	<0.20	<0.20	-	-	<0.50
Styrene	5.4	0.10	<0.10	-	-	-	<0.10	<0.10	-	<0.40	<0.40	<0.10	<0.40	-	-	-	<0.10	<0.10	-	-	<0.40
1,1,1,2-Tetrachloroethane	1.1	0.10	<0.10	-	-	-	<0.10	<0.10	-	<0.50	<0.50	<0.10	<0.50	-	-	-	<0.10	<0.10	-	-	<0.50
1,1,2,2-Tetrachloroethane	1	0.10	<0.10	-	-	-	<0.10	<0.10	-	<0.40	<0.40	<0.10	<0.40	-	-	-	<0.10	<0.10	-	-	<0.40
Tetrachloroethylene	17	0.20	<0.20	-	-	-	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	-	-	<0.20	<0.20	-	-	<0.20
1,1,1-Trichloroethane	200	0.20	<0.30	-	-	-	<0.30	<0.30	-	<0.20	<0.20	<0.30	<0.20	-	-	-	<0.30	<0.30	-	-	<0.20
1,1,2-Trichloroethane	5	0.20	<0.20	-	-	-	<0.20	<0.20	-	<0.40	<0.40	<0.20	<0.40	-	-	-	<0.20	<0.20	-	-	<0.40
Trichloroethylene	5	0.20	<0.20	-	-	-	**16.7**	**13.1**	-	**290**	**21**	1.12	0.27	-	-	-	<0.20	<0.20	-	-	<0.20
Trichlorofluoromethane	150	0.40	<0.40	-	-	-	<0.40	<0.40	-	<0.50	<0.50	<0.40	<0.50	-	-	-	<0.40	<0.40	-	-	<0.50
Vinyl Chloride	1.7	0.17	<0.17	-	-	-	<0.17	0.41	-	1.1	**3.1**	**133**	**62**	-	-	-	<0.17	<0.17	-	-	<0.20
1,3-Dichloropropene	0.5	0.30	<0.30	-	-	-	<0.30	<0.30	-	<0.50	<0.50	<0.30	<0.50	-	-	-	<0.30	<0.30	-	-	<0.50
Polycyclic Aromatic Hydrocarbons																					
1&2-Methylnaphthalene	3.2	0.20	**119**	-	**79**	<0.20	<0.20	-	<0.20	-	-	-	-	-	<0.20	-	-	-	-	<0.20	-
Acenaphthene	4.1	0.20	**4.67**	-	2.22	<0.20	<0.20	-	<0.20	-	-	-	-	-	<0.20	-	-	-	-	<0.20	-

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID			MW126			MW127	MW129	MW130		MW131						MW132S	MW132D		MW133	MW133A	
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW126	MW1266	MW126	MW 127	MW 129	MW130	MW130	MW 131	MW 131	MW 131	MW 131	MW131	MW131	MW132S	MW132D	MW132D-1	MW133	MW133A	MW133A
Lab ID			5144349	5144350	5966400	6058426	6058432	5144351	6016079	TIX429	VOT042	5144352	N/A	5966419	6016084	5966420	5966424	5966437	5966439	6076134	AAXN59
Sampling Date			13-Jul-23	13-Jul-23	26-Jun-24	6-Aug-24	6-Aug-24	13-Jul-23	17-Jul-24	Aug-22	Apr-23	12-Jul-23	19-Oct-23	26-Jun-24	17-Jul-24	26-Jun-24	24-Jun-24	24-Jun-24	26-Jun-24	13-Aug-24	23-Aug-24
Screen length (m)			1.37 - 2.90	Field Duplicate of MW126	1.37 - 2.90	1.37 - 2.90	1.27 - 2.90	4.11 - 5.64		1.22 - 2.74						1.22 - 2.74	7.77 - 9.30	Field Duplicate of MW132D	1.98 - 3.51	5.49-7.01	
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	Arcadis	Arcadis	EXP	Arcadis	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	N/A	N/A	AGAT	N/A	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	BV Labs
Certificate of Analysis Number			23H047149	23H047149	24H167490	24H182602	24H182602	23H047149	24H175816	N/A	N/A	23H047149	N/A	24H167490	24H175816	24H167490	24H167490	24H167490	24H167490	24H185136	C4Q4099
Acenaphthylene	1	0.20	0.67	-	0.56	<0.20	<0.20	-	<0.20	-	-	-	-	-	<0.20	-	-	-	-	<0.20	-
Anthracene	2.4	0.10	0.33	-	<0.10	<0.10	0.22	-	<0.10	-	-	-	-	-	<0.10	-	-	-	-	<0.10	-
Benzo(a)anthracene	1	0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.20	-	-	-	-	-	<0.20	-	-	-	-	<0.20	-
Benzo(a)pyrene	0.01	0.01	<0.01	-	<0.01	<0.01	<0.01	-	<0.01	-	-	-	-	-	<0.01	-	-	-	-	<0.01	-
Benzo(b/j)fluoranthene	0.1	0.10	<0.10	-	<0.10	<0.10	<0.10	-	<0.10	-	-	-	-	-	<0.10	-	-	-	-	<0.10	-
Benzo(ghi)perylene	0.2	0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.20	-	-	-	-	-	<0.20	-	-	-	-	<0.20	-
Benzo(k)fluoranthene	0.1	0.10	<0.10	-	<0.10	<0.10	<0.10	-	<0.10	-	-	-	-	-	<0.10	-	-	-	-	<0.10	-
Chrysene	0.1	0.10	<0.10	-	<0.10	<0.10	**0.11**	-	<0.10	-	-	-	-	-	<0.10	-	-	-	-	<0.10	-
Dibenz(a,h)anthracene	0.2	0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.20	-	-	-	-	-	<0.20	-	-	-	-	<0.20	-
Fluoranthene	0.41	0.20	<0.20	-	<0.20	<0.20	0.33	-	<0.20	-	-	-	-	-	<0.20	-	-	-	-	<0.20	-
Fluorene	120	0.20	5.22	-	2.78	<0.20	<0.20	-	<0.20	-	-	-	-	-	<0.20	-	-	-	-	<0.20	-
Indeno(1,2,3-cd)pyrene	0.2	0.20	<0.20	-	<0.20	<0.20	<0.20	-	<0.20	-	-	-	-	-	<0.20	-	-	-	-	<0.20	-
Naphthalene	11	0.20	1.22	-	0.22	<0.20	<0.20	-	<0.20	-	-	-	-	-	<0.20	-	-	-	-	<0.20	-
Phenanthrene	1	0.10	**3.78**	-	**2.11**	<0.10	0.33	-	<0.10	-	-	-	-	-	<0.10	-	-	-	-	<0.10	-
Pyrene	4.1	0.20	<0.20	-	<0.20	<0.20	0.22	-	<0.20	-	-	-	-	-	<0.20	-	-	-	-	<0.20	-
Polychlorinated Biphenyls (PCBs)																					
Total PCB	3	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Barium	1000	2	360	368	135	-	35.7	-	-	-	-	-	-	93.4	-	20.5	24.1	-	109	-	-
Beryllium	4	0.5	<0.50	<0.50	<0.50	-	<0.50	-	-	-	-	-	-	<0.50	-	<0.50	<0.50	-	<0.50	-	-
Boron (Total)	5000	10	170	168	121	-	<10.0	-	-	-	-	-	-	291	-	67.6	3820	-	113	-	-
Cadmium	2.7	0.2	<0.20	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	<0.20	-	<0.20	<0.20	-	<0.20	-	-
Chromium (total)	50	2	<2.0	23.5	<2.0	-	<2.0	-	-	-	-	-	-	<2.0	-	<2.0	<2.0	-	<2.0	-	-
Cobalt	3.8	0.5	1.58	**43.5**	1.55	-	<0.50	-	-	-	-	-	-	**6.29**	-	<0.50	<0.50	-	<0.50	-	-
Copper	87	1	<1.0	<1.0	<1.0	-	5	-	-	-	-	-	-	<1.0	-	5.4	<1.0	-	4.2	-	-
Lead	10	0.5	<0.50	<0.50	<0.50	-	<0.50	-	-	-	-	-	-	<0.50	-	<0.50	0.53	-	<0.50	-	-
Molybdenum	70	0.5	1.52	1.62	23.5	-	4.52	-	-	-	-	-	-	34	-	2.05	1.18	-	2.38	-	-
Nickel	100	1	1.8	3.3	1.6	-	1.1	-	-	-	-	-	-	1.8	-	<1.0	2	-	<1.0	-	-
Silver	1.5	0.2	<0.20	<0.20	<0.20	-	<0.20	-	-	-	-	-	-	<0.20	-	<0.20	<0.20	-	<0.20	-	-
Thallium	2	0.3	<0.30	<0.30	<0.30	-	<0.30	-	-	-	-	-	-	<0.30	-	<0.30	<0.30	-	<0.30	-	-
Uranium	20	0.5	1.3	1.27	1	-	4.59	-	-	-	-	-	-	1.48	-	1.47	<0.50	-	3.37	-	-
Vanadium	6.2	0.4	0.48	0.6	0.46	-	<0.40	-	-	-	-	-	-	0.58	-	0.42	<0.40	-	<0.40	-	-
Zinc	1100	5	11.4	9.3	<5.0	-	<5.0	-	-	-	-	-	-	<5.0	-	<5.0	<5.0	-	<5.0	-	-
Hydride-Forming Metals																					
Antimony	6	1	<1.0	<1.0	<1.0	-	<1.0	-	-	-	-	-	-	<1.0	-	<1.0	<1.0	-	<1.0	-	-
Arsenic	25	1	5.9	6.6	6.6	-	<1.0	-	-	-	-	-	-	10.5	-	<1.0	<1.0	-	<1.0	-	-
Selenium	10	1	<1.0	<1.0	1.5	-	<1.0	-	-	-	-	-	-	<1.0	-	<1.0	1.8	-	4.5	-	-
Other Regulated Parameters (ORPs)																					
Chromium VI	25	2	-	-	-	-	<2.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1	0.02	-	-	-	-	<0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Mercury	0.15	0.00005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

All groundwater concentrations reported in µg/L.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Non-detect but detection limit exceeds the MECP (2011) SCS

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID			MW137		MW138		MW139			MW140								MW141	MW142			
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW137	MW137	MW138	MW 138	MW139	MW139-1	MW139	MW140	Duplicate of MW140	MW140	MW140	MW140	MW140	MW140	MW140	MW 141	MW142	MW142	MW142	MW1422
Lab ID			5966440	6061511	5144355	6058436	5966441	5966442	6061503	TIX430	TIX432	VOT036	5291758	5388866	N/A	5966444	ZQP045	6058450	TIX433	VOT043	5144353	5144354
Sampling Date			26-Jun-24	8-Aug-24	13-Jul-23	6-Aug-24	26-Jun-24	26-Jun-24	8-Aug-24	Aug-22	Aug-22	Apr-23	14-Sep-23	19-Oct-23	19-Oct-23	25-Jun-24	4-Jul-24	6-Aug-24	Aug-22	Apr-23	12-Jul-23	12-Jul-23
Screen length (m)			1.22 - 2.74		1.98 - 3.51		1.37 -2.9	Field Duplicate of MW139	1.37 -2.9	1.17 - 2.69	Duplicate of MW140	1.17 - 2.69						0.91 - 2.44	1.37 - 2.90			Field Duplicate of MW142
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	Arcadis	Arcadis	Arcadis	EXP	EXP	Arcadis	EXP	EXP	EXP	Arcadis	Arcadis	EXP	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	N/A	N/A	N/A	AGAT	AGAT	N/A	AGAT	BV Labs	AGAT	N/A	N/A	AGAT	AGAT
Certificate of Analysis Number			24H167490	24T183314	23H047149	24H182602	24H167490	24H167490	24T183314	N/A	N/A	N/A	23H069763	23H083947	N/A	24H167490	C4K5576	24H182602	N/A	N/A	23H047149	23H047149
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																						
Benzene	5	0.20	-	<0.20	<0.20	-	-	-	<0.20	4.1	4.1	3	**6.76**	**9.5**	**9.5**	4.57	-	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	24	0.20	-	<0.20	<0.20	-	-	-	<0.20	<0.20	<0.20	<1.0	8.01	11	14	7.33	-	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	2.4	0.10	-	<0.10	<0.10	-	-	-	<0.10	0.26	0.26	1.1	0.41	0.59	0.68	0.34	-	<0.10	<0.20	<0.20	<0.10	<0.10
o-Xylene	NV	0.10	-	<0.20	<0.20	-	-	-	<0.10	<0.20	<0.20	<1.0	0.75	0.63	0.91	0.54	-	<0.10	<0.20	<0.20	<0.20	<0.20
m-Xylene + p-Xylene	NV	0.10	-	<0.10	<0.10	-	-	-	<0.20	<0.20	<0.20	<1.0	0.53	0.87	1.1	0.53	-	<0.20	<0.20	<0.20	<0.10	<0.10
Xylenes (Total)	300	0.20	-	<0.20	<0.20	-	-	-	<0.20	<0.20	<0.20	<1.0	1.28	1.5	2	1.07	-	<0.20	<0.20	<0.20	<0.20	<0.20
Petroleum Hydrocarbons (PHCs)																						
PHC F1 (C6-C10)	750	25	-	<25	<25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F1 (C6-C10) - BTEX	750	25	-	<25	<25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (C10-C16)	150	100	-	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (C16-C34)	500	100	-	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (C34-C50)	500	100	-	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																						
Acetone	2700	1	-	<1.0	<1.0	-	-	-	<1.0	<10	<10	<50	<1.0	<1.0	49	-	-	<1.0	<10	<10	<1.0	<1.0
Bromodichloromethane	16	0.20	-	<0.20	<0.20	-	-	-	<0.20	<0.50	<0.50	<2.5	<0.20	<0.20	<0.50	-	-	<0.20	<0.50	<0.50	<0.20	<0.20
Bromoform	25	0.10	-	<0.10	<0.10	-	-	-	<0.10	<1.0	<1.0	<5.0	<0.10	<0.10	<1.0	-	-	<0.10	<1.0	<1.0	<0.10	<0.10
Bromomethane	0.89	0.20	-	<0.20	<0.20	-	-	-	<0.20	<0.50	<0.50	<2.5	<0.20	<0.20	<0.50	-	-	<0.20	<0.50	<0.50	<0.20	<0.20
Carbon Tetrachloride	5	0.19	-	<0.20	<0.20	-	-	-	<0.20	<0.19	<0.19	<0.95	<0.20	<0.20	<0.19	-	-	<0.20	<0.19	<0.19	<0.20	<0.20
Chlorobenzene	30	0.10	-	<0.10	<0.10	-	-	-	<0.10	<0.20	<0.20	<1.0	<0.10	<0.10	<0.20	-	-	<0.10	<0.20	<0.20	<0.10	<0.10
Chloroform	22	0.20	-	<0.20	<0.20	-	-	-	<0.20	<0.20	<0.20	<1.3	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	25	0.10	-	<0.10	<0.10	-	-	-	<0.10	<0.50	<0.50	<2.5	<0.10	<0.10	<0.50	-	-	<0.10	<0.50	<0.50	<0.10	<0.10
1,2-Dichlorobenzene	3	0.10	-	<0.10	<0.10	-	-	-	<0.10	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40	-	-	<0.10	<0.40	<0.40	<0.10	<0.10
1,3-Dichlorobenzene	59	0.10	-	<0.10	<0.10	-	-	-	<0.10	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40	-	-	<0.10	<0.40	<0.40	<0.10	<0.10
1,4-Dichlorobenzene	1	0.10	-	<0.10	<0.10	-	-	-	<0.10	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40	-	-	<0.10	<0.40	<0.40	<0.10	<0.10
Dichlorodifluoromethane	590	0.40	-	<0.40	<0.40	-	-	-	<0.40	<1.0	<1.0	<5.0	<0.40	<0.40	<1.0	-	-	<0.40	<1.0	<1.0	<0.40	<0.40
1,1-Dichloroethane	5	0.20	-	<0.30	<0.30	-	-	-	<0.30	<0.20	<0.20	<1.0	<0.30	<0.30	<0.20	-	-	<0.30	<0.20	<0.20	<0.30	<0.30
1,2-Dichloroethane	5	0.20	-	<0.20	<0.20	-	-	-	<0.20	<0.49	<0.49	<2.5	0.46	<0.20	<0.49	-	-	<0.20	<0.49	<0.49	<0.20	<0.20
1,1-Dichloroethylene	14	0.20	-	<0.30	<0.30	-	-	-	<0.30	2.5	2.5	<1.0	<0.30	<0.30	<0.20	-	-	<0.30	2.1	1.5	2.38	2.41
Cis-1,2-Dichloroethylene	17	0.20	-	<0.20	<0.20	-	-	-	<0.20	**660**	**660**	**29**	4	<0.20	1	-	-	<0.20	**160**	**170**	**219**	**236**
Trans-1,2-Dichloroethylene	17	0.20	-	<0.20	<0.20	-	-	-	<0.20	2.4	2.5	<2.5	<0.20	<0.20	<0.50	-	-	<0.20	2.7	2.4	5.21	4.73
1,2-Dichloropropane	5	0.20	-	<0.20	<0.20	-	-	-	<0.20	0.29	0.32	<1.0	0.38	<0.20	0.51	-	-	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylene Dibromide (1,2-Dibromoethane)	0.2	0.10	-	<0.10	<0.10	-	-	-	<0.10	<0.19	<0.19	<0.95	<0.10	<0.10	<0.19	-	-	<0.10	<0.19	<0.19	<0.10	<0.10
Hexane (n)	520	0.20	-	<0.20	<0.20	-	-	-	<0.20	<1.0	<1.0	<5.0	<0.20	<0.20	<1.0	-	-	<0.20	<1.0	<1.0	<0.20	<0.20
Methylene chloride (Dichloromethane)	50	0.30	-	<0.30	<0.30	-	-	-	<0.30	<2.0	<2.0	<10	<0.30	<0.30	<2.0	-	-	<0.30	<2.0	<2.0	<0.30	<0.30
Methyl ethyl ketone (2-Butanone)	1800	1	-	<1.0	<1.0	-	-	-	<1.0	<10	<10	<50	<1.0	<1.0	27	-	-	<1.0	<10	<10	<1.0	<1.0
Methyl Isobutyl Ketone	640	1.0	-	<1.0	<1.0	-	-	-	<1.0	<5.0	<5.0	<25	<1.0	<1.0	<5.0	-	-	<1.0	<5.0	<5.0	<1.0	<1.0
Methyl t-butyl ether (MTBE)	15	0.20	-	<0.20	<0.20	-	-	-	<0.20	<0.50	<0.50	<2.5	<0.20	<0.20	<0.50	-	-	<0.20	<0.50	<0.50	<0.20	<0.20
Styrene	5.4	0.10	-	<0.10	<0.10	-	-	-	<0.10	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40	-	-	<0.10	<0.40	<0.40	<0.10	<0.10
1,1,1,2-Tetrachloroethane	1.1	0.10	-	<0.10	<0.10	-	-	-	<0.10	<0.50	<0.50	<2.5	<0.10	<0.10	<0.50	-	-	<0.10	<0.50	<0.50	<0.10	<0.10
1,1,2,2-Tetrachloroethane	1	0.10	-	<0.10	<0.10	-	-	-	<0.10	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40	-	-	<0.10	<0.40	<0.40	<0.10	<0.10
Tetrachloroethylene	17	0.20	-	<0.20	<0.20	-	-	-	<0.20	<0.20	<0.20	<1.0	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	200	0.20	-	<0.30	<0.30	-	-	-	<0.30	<0.20	<0.20	<1.0	<0.30	<0.30	<0.20	-	-	<0.30	<0.20	<0.20	<0.30	<0.30
1,1,2-Trichloroethane	5	0.20	-	<0.20	<0.20	-	-	-	<0.20	<0.40	<0.40	<2.0	<0.20	<0.20	<0.40	-	-	<0.20	<0.40	<0.40	<0.20	<0.20
Trichloroethylene	5	0.20	-	0.66	<0.20	-	-	-	<0.20	1.8	1.8	<1.0	<0.20	<0.20	<0.20	-	-	<0.20	**250**	**120**	**179**	**191**
Trichlorofluoromethane	150	0.40	-	<0.40	<0.40	-	-	-	<0.40	<0.50	<0.50	<2.5	<0.40	<0.40	<0.50	-	-	<0.40	<0.50	<0.50	<0.40	<0.40
Vinyl Chloride	1.7	0.17	-	<0.17	<0.17	-	-	-	<0.17	**250**	**260**	**23**	<0.17	<0.17	<0.20	-	-	<0.17	**3.9**	**3**	**9.9**	**10.7**
1,3-Dichloropropene	0.5	0.30	-	<0.30	<0.30	-	-	-	<0.30	<0.50	<0.50	<2.5	<0.30	<0.30	<0.50	-	-	<0.30	<0.50	<0.50	<0.30	<0.30
Polycyclic Aromatic Hydrocarbons																						
1&2-Methylnaphthalene	3.2	0.20	-	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4.1	0.20	-	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID			MW137		MW138		MW139			MW140									MW141	MW142			
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW137	MW137	MW138	MW 138	MW139	MW139-1	MW139	MW140	Duplicate of MW140	MW140	MW140	MW140	MW140	MW140	MW140	MW140	MW 141	MW142	MW142	MW142	MW1422
Lab ID			5966440	6061511	5144355	6058436	5966441	5966442	6061503	TIX430	TIX432	VOT036	5291758	5388866	N/A	5966444	ZQP045	6058450	TIX433	VOT043	5144353	5144354	
Sampling Date			26-Jun-24	8-Aug-24	13-Jul-23	6-Aug-24	26-Jun-24	26-Jun-24	8-Aug-24	Aug-22	Aug-22	Apr-23	14-Sep-23	19-Oct-23	19-Oct-23	25-Jun-24	4-Jul-24	6-Aug-24	Aug-22	Apr-23	12-Jul-23	12-Jul-23	
Screen length (m)			1.22 - 2.74		1.98 - 3.51		1.37 -2.9	Field Duplicate of MW139	1.37 -2.9	1.17 - 2.69	Duplicate of MW140	1.17 - 2.69						0.91 - 2.44	1.37 - 2.90			Field Duplicate of MW142	
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	Arcadis	Arcadis	Arcadis	EXP	EXP	Arcadis	EXP	EXP	EXP	Arcadis	Arcadis	EXP	EXP	
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	N/A	N/A	N/A	AGAT	AGAT	N/A	AGAT	BV Labs	AGAT	N/A	N/A	AGAT	AGAT	
Certificate of Analysis Number			24H167490	24T183314	23H047149	24H182602	24H167490	24H167490	24T183314	N/A	N/A	N/A	23H069763	23H083947	N/A	24H167490	C4K5576	24H182602	N/A	N/A	23H047149	23H047149	
Acenaphthylene	1	0.20	-	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Anthracene	2.4	0.10	-	<0.10	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)anthracene	1	0.20	-	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene	0.01	0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(b/j)fluoranthene	0.1	0.10	-	<0.10	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(ghi)perylene	0.2	0.20	-	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(k)fluoranthene	0.1	0.10	-	<0.10	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chrysene	0.1	0.10	-	<0.10	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibenz(a,h)anthracene	0.2	0.20	-	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fluoranthene	0.41	0.20	-	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fluorene	120	0.20	-	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-cd)pyrene	0.2	0.20	-	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Naphthalene	11	0.20	-	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phenanthrene	1	0.10	-	<0.10	<0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrene	4.1	0.20	-	<0.20	<0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Polychlorinated Biphenyls (PCBs)																							
Total PCB	3	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Metals																							
Barium	1000	2	46.8	-	142	83	71.5	71.2	-	-	-	-	-	-	-	-	-	39.1	-	-	-	-	
Beryllium	4	0.5	<0.50	-	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	<0.50	-	-	-	-	
Boron (Total)	5000	10	142	-	181	80.9	155	155	-	-	-	-	-	-	-	-	-	<10.0	-	-	-	-	
Cadmium	2.7	0.2	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	
Chromium (total)	50	2	2.7	-	<2.0	<2.0	<2.0	<2.0	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-	
Cobalt	3.8	0.5	<0.50	-	1.27	0.94	<0.50	<0.50	-	-	-	-	-	-	-	-	-	<0.50	-	-	-	-	
Copper	87	1	42	-	5.1	3.8	19.6	19	-	-	-	-	-	-	-	-	-	1.7	-	-	-	-	
Lead	10	0.5	<0.50	-	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	<0.50	-	-	-	-	
Molybdenum	70	0.5	1.28	-	0.54	1.19	1.56	1.34	-	-	-	-	-	-	-	-	-	4.35	-	-	-	-	
Nickel	100	1	3.7	-	2	<1.0	<1.0	1.2	-	-	-	-	-	-	-	-	-	<1.0	-	-	-	-	
Silver	1.5	0.2	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	-	-	-	-	-	-	-	-	<0.20	-	-	-	-	
Thallium	2	0.3	<0.30	-	<0.30	<0.30	<0.30	<0.30	-	-	-	-	-	-	-	-	-	<0.30	-	-	-	-	
Uranium	20	0.5	7.35	-	5.88	10.3	12.6	13.3	-	-	-	-	-	-	-	-	-	0.76	-	-	-	-	
Vanadium	6.2	0.4	0.5	-	0.64	0.6	2.04	2.35	-	-	-	-	-	-	-	-	-	0.47	-	-	-	-	
Zinc	1100	5	<5.0	-	<5.0	5.6	<5.0	<5.0	-	-	-	-	-	-	-	-	-	<5.0	-	-	-	-	
Hydride-Forming Metals																							
Antimony	6	1	<1.0	-	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	-	-	<1.0	-	-	-	-	
Arsenic	25	1	<1.0	-	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	-	-	<1.0	-	-	-	-	
Selenium	10	1	<1.0	-	<1.0	<1.0	2	1.6	-	-	-	-	-	-	-	-	-	<1.0	-	-	-	-	
Other Regulated Parameters (ORPs)																							
Chromium VI	25	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mercury	1	0.02	-	-	-	<0.02	-	-	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	
Methyl Mercury	0.15	0.00005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000058	-	-	-	-	-	

All groundwater concentrations reported in µg/L.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Non-detect but detection limit exceeds the MECP (2011) SCS

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID			MW142		MW143	MW145	MW146	MW148S	MW148D		MW150S						MW150D				MW151	
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW142	MW142	MW143	MW145	MW 146	MW148S	MW148D	MW1488D	MW150S	MW150S	MW150S	MW150S	MW150S	MW150S	MW150D	MW150D	MW150DD	MW150D	MW151	MW1511
Lab ID			N/A	5966445	6061509	6061504	6058455	5144357	5144358	5144359	TJQ273	VOT038	5291760	5388870	N/A	5966447	5291807	5388867	5388869	5966448	6061499	6061500
Sampling Date			19-Oct-23	26-Jun-24	8-Aug-24	8-Aug-24	6-Aug-24	13-Jul-23	13-Jul-23	13-Jul-23	Aug-22	Apr-23	14-Sep-23	19-Oct-23	19-Oct-23	24-Jun-24	14-Sep-23	19-Oct-23	19-Oct-23	24-Jun-24	8-Aug-24	8-Aug-24
Screen length (m)			1.37 - 2.90		0.76 - 2.29	0.76 - 3.81	1.37 - 2.90	0.70 - 2.23	4.11 - 5.64	Field Duplicate of MW148D	1.06 - 2.29						1.06 - 2.29		Field Duplicate of MW150D	1.06 - 2.29	1.52 - 3.05	
Consultant			Arcadis	EXP	EXP	EXP	EXP	EXP	EXP	EXP	Arcadis	Arcadis	EXP	EXP	Arcadis	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			N/A	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	N/A	N/A	AGAT	AGAT	N/A	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Certificate of Analysis Number			N/A	24H167490	24T183314	24T183314	24H182602	23H047149	23H047149	23H047149	N/A	N/A	23H069763	23H083947	N/A	24H167490	23H069763	23H083947	23H083947	24H167490	24T183314	24T183314
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																						
Benzene	5	0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	24	0.20	<0.20	-	0.27	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.32	0.26
Ethylbenzene	2.4	0.10	<0.20	-	0.17	0.14	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	0.19	0.17
o-Xylene	NV	0.10	<0.20	-	0.23	0.16	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.25	0.22
m-Xylene + p-Xylene	NV	0.10	<0.20	-	0.78	0.64	<0.20	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	0.89	0.77
Xylenes (Total)	300	0.20	<0.20	-	1.01	0.8	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.14	0.99
Petroleum Hydrocarbons (PHCs)																						
PHC F1 (C6-C10)	750	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F1 (C6-C10) - BTEX	750	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (C10-C16)	150	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (C16-C34)	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (C34-C50)	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																						
Acetone	2700	1	<10	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<10	<2.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	16	0.20	<0.50	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.50	<0.40	<0.20	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	25	0.10	<1.0	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<1.0	<1.0	<0.20	<0.10	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Bromomethane	0.89	0.20	<0.50	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.50	<0.40	<0.20	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Carbon Tetrachloride	5	0.19	<0.19	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.19	<0.19	<0.40	<0.20	<0.19	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	30	0.10	<0.20	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chloroform	22	0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	25	0.10	<0.50	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.20	<0.10	<0.50	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	3	0.10	<0.40	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.40	<0.40	<0.20	<0.10	<0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	59	0.10	<0.40	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.40	<0.40	<0.20	<0.10	<0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	1	0.10	<0.40	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.40	<0.40	<0.20	<0.10	<0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Dichlorodifluoromethane	590	0.40	<1.0	-	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<1.0	<0.80	<0.40	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,1-Dichloroethane	5	0.20	<0.20	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.20	<0.20	<0.60	<0.30	<0.20	<0.20	<0.30	<0.30	<0.30	<0.20	<0.30	<0.30
1,2-Dichloroethane	5	0.20	<0.49	-	<0.20	<0.20	<0.20	<0.20	2.65	2.64	<0.49	<0.49	<0.40	<0.20	<0.49	<0.30	0.87	<0.20	<0.20	<0.30	<0.20	<0.20
1,1-Dichloroethylene	14	0.20	0.6	-	<0.30	<0.30	<0.30	<0.30	4.73	4.56	<0.20	<0.20	<0.60	<0.30	<0.20	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Cis-1,2-Dichloroethylene	17	0.20	**130**	-	<0.20	<0.20	5.16	<0.20	14.4	14	**21**	2.9	**24.5**	10.2	11	3.5	**33.8**	10.9	13.6	**19.2**	<0.20	<0.20
Trans-1,2-Dichloroethylene	17	0.20	3	-	<0.20	<0.20	<0.20	<0.20	<0.20	0.43	<0.50	<0.50	<0.40	0.27	<0.50	<0.20	0.54	0.27	0.29	<0.20	<0.20	<0.20
1,2-Dichloropropane	5	0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylene Dibromide (1,2-Dibromoethane)	0.2	0.10	<0.19	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.19	<0.19	<0.20	<0.10	<0.19	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hexane (n)	520	0.20	<1.0	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<1.0	<0.40	<0.20	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methylene chloride (Dichloromethane)	50	0.30	<2.0	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<2.0	<2.0	<0.60	<0.30	<2.0	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl ethyl ketone (2-Butanone)	1800	1	<10	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<10	<2.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	640	1.0	<5.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<2.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl t-butyl ether (MTBE)	15	0.20	<0.50	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.50	<0.40	<0.20	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Styrene	5.4	0.10	<0.40	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.40	<0.40	<0.20	<0.10	<0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,1,2-Tetrachloroethane	1.1	0.10	<0.50	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.20	<0.10	<0.50	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	1	0.10	<0.40	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.40	<0.40	<0.20	<0.10	<0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	17	0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	200	0.20	<0.20	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.20	<0.20	<0.60	<0.30	<0.20	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,1,2-Trichloroethane	5	0.20	<0.40	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	5	0.20	1.6	-	<0.20	2.14	0.38	<0.20	2.64	2.54	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	0.4	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	150	0.40	<0.50	-	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.50	<0.50	<0.80	<0.40	<0.50	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	1.7	0.17	**28**	-	<0.17	<0.17	1.28	<0.17	**12.2**	**11.7**	**21**	**2.4**	**54.1**	**39.3**	**23**	**21.2**	**47.7**	**17.7**	**22.8**	**23.7**	<0.17	<0.17
1,3-Dichloropropene	0.5	0.30	<0.50	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.50	<0.50	<0.30	<0.30	<0.50	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Polycyclic Aromatic Hydrocarbons																						
1&2-Methylnaphthalene	3.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4.1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW142		MW143	MW145	MW146	MW148S	MW148D		MW150S						MW150D				MW151	
Sample ID			MW142	MW142	MW143	MW145	MW 146	MW148S	MW148D	MW1488D	MW150S	MW150S	MW150S	MW150S	MW150S	MW150S	MW150D	MW150D	MW150DD	MW150D	MW151	MW1511
Lab ID			N/A	5966445	6061509	6061504	6058455	5144357	5144358	5144359	TJQ273	VOT038	5291760	5388870	N/A	5966447	5291807	5388867	5388869	5966448	6061499	6061500
Sampling Date			19-Oct-23	26-Jun-24	8-Aug-24	8-Aug-24	6-Aug-24	13-Jul-23	13-Jul-23	13-Jul-23	Aug-22	Apr-23	14-Sep-23	19-Oct-23	19-Oct-23	24-Jun-24	14-Sep-23	19-Oct-23	19-Oct-23	24-Jun-24	8-Aug-24	8-Aug-24
Screen length (m)			1.37 - 2.90		0.76 - 2.29	0.76 - 3.81	1.37 - 2.90	0.70 - 2.23	4.11 - 5.64	Field Duplicate of MW148D	1.06 - 2.29						1.06 - 2.29		Field Duplicate of MW150D	1.06 - 2.29	1.52 - 3.05	
Consultant			Arcadis	EXP	EXP	EXP	EXP	EXP	EXP	EXP	Arcadis	Arcadis	EXP	EXP	Arcadis	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			N/A	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	N/A	N/A	AGAT	AGAT	N/A	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Certificate of Analysis Number			N/A	24H167490	24T183314	24T183314	24H182602	23H047149	23H047149	23H047149	N/A	N/A	23H069763	23H083947	N/A	24H167490	23H069763	23H083947	23H083947	24H167490	24T183314	24T183314
Acenaphthylene	1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	2.4	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b/j)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	0.41	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	120	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	11	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	4.1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs)																						
Total PCB	3	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																						
Barium	1000	2	-	32.9	-	-	-	-	-	-	-	-	165	144	-	-	47.6	53.5	53.2	-	-	-
Beryllium	4	0.5	-	<0.50	-	-	-	-	-	-	-	-	<0.50	<0.50	-	-	<0.50	<0.50	<0.50	-	-	-
Boron (Total)	5000	10	-	163	-	-	-	-	-	-	-	-	682	515	-	-	638	910	915	-	-	-
Cadmium	2.7	0.2	-	<0.20	-	-	-	-	-	-	-	-	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	-	-	-
Chromium (total)	50	2	-	<2.0	-	-	-	-	-	-	-	-	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	-	-	-
Cobalt	3.8	0.5	-	<0.50	-	-	-	-	-	-	-	-	3.62	3.43	-	-	<0.50	<0.50	<0.50	-	-	-
Copper	87	1	-	<1.0	-	-	-	-	-	-	-	-	1.2	<1.0	-	-	<1.0	<1.0	<1.0	-	-	-
Lead	10	0.5	-	<0.50	-	-	-	-	-	-	-	-	<0.50	<0.50	-	-	<0.50	<0.50	<0.50	-	-	-
Molybdenum	70	0.5	-	5.1	-	-	-	-	-	-	-	-	1.72	2.22	-	-	<0.50	<0.50	<0.50	-	-	-
Nickel	100	1	-	<1.0	-	-	-	-	-	-	-	-	3.1	2.5	-	-	<1.0	<1.0	<1.0	-	-	-
Silver	1.5	0.2	-	<0.20	-	-	-	-	-	-	-	-	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	-	-	-
Thallium	2	0.3	-	<0.30	-	-	-	-	-	-	-	-	<0.30	<0.30	-	-	<0.30	<0.30	<0.30	-	-	-
Uranium	20	0.5	-	2.53	-	-	-	-	-	-	-	-	11.1	11.4	-	-	0.76	<0.50	<0.50	-	-	-
Vanadium	6.2	0.4	-	<0.40	-	-	-	-	-	-	-	-	0.93	0.6	-	-	<0.40	<0.40	<0.40	-	-	-
Zinc	1100	5	-	<5.0	-	-	-	-	-	-	-	-	<5.0	<5.0	-	-	<5.0	<5.0	<5.0	-	-	-
Hydride-Forming Metals																						
Antimony	6	1	-	<1.0	-	-	-	-	-	-	-	-	<1.0	<1.0	-	-	<1.0	<1.0	<1.0	-	-	-
Arsenic	25	1	-	1.4	-	-	-	-	-	-	-	-	2.8	2.4	-	-	<1.0	<1.0	<1.0	-	-	-
Selenium	10	1	-	<1.0	-	-	-	-	-	-	-	-	2.6	<1.0	-	-	<1.0	<1.0	<1.0	-	-	-
Other Regulated Parameters (ORPs)																						
Chromium VI	25	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Mercury	0.15	0.00005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

All groundwater concentrations reported in µg/L.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Non-detect but detection limit exceeds the MECP (2011) SCS

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW151	MW152						MW153					MW154						MW155	
Sample ID			MW151	MW152	MW152	MW152	MW152	MW152	MW152	MW153	MW153	MW153	MW153	MW153	MW154	MW154	MW154	MW154	MW154	MW154	MW155	MW155
Lab ID			AAXN60	TJQ274	VOT037	5291809	5388871	N/A	5966449	TJQ275	VOT040	5388872	N/A	5966454	TIX431	VOT035	5291808	5388873	N/A	5966458	5144360	5966473
Sampling Date			23-Aug-24	Aug-22	Apr-23	14-Sep-23	19-Oct-23	19-Oct-23	24-Jun-24	Aug-22	Apr-23	19-Oct-23	19-Oct-23	24-Jun-24	Aug-22	Apr-23	14-Sep-23	19-Oct-23	19-Oct-23	25-Jun-24	13-Jul-23	24-Jun-24
Screen length (m)				0.91 - 2.13						0.91 - 2.44					0.91 - 2.43						0.91 - 2.44	
Consultant			EXP	Arcadis	Arcadis	EXP	EXP	Arcadis	EXP	Arcadis	Arcadis	EXP	Arcadis	EXP	Arcadis	Arcadis	EXP	EXP	Arcadis	EXP	EXP	EXP
Laboratory			BV Labs	N/A	N/A	AGAT	AGAT	N/A	AGAT	N/A	N/A	AGAT	N/A	AGAT	N/A	N/A	AGAT	AGAT	N/A	AGAT	AGAT	AGAT
Certificate of Analysis Number			C4Q4099	N/A	N/A	23H069763	23H083947	N/A	24H167490	N/A	N/A	23H083947	N/A	24H167490	N/A	N/A	23H069763	23H083947	N/A	24H167490	23H047149	24H167490
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																						
Benzene	5	0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	2.2	1.8	**5.53**	3.12	3	<0.20	<0.20	-
Toluene	24	0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	2.14	0.92	<0.20	<0.20	<0.20	-
Ethylbenzene	2.4	0.10	-	<0.20	<0.20	<0.10	<0.10	<0.20	<0.10	<0.20	<0.20	<0.10	<0.20	-	<0.20	<0.20	0.21	<0.10	1.1	<0.10	<0.10	-
o-Xylene	NV	0.10	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	0.4	<0.20	<0.20	<0.20	<0.20	-
m-Xylene + p-Xylene	NV	0.10	-	<0.20	<0.20	<0.10	<0.10	<0.20	<0.10	<0.20	<0.20	<0.10	<0.20	-	<0.20	<0.20	0.19	<0.10	0.22	<0.10	<0.10	-
Xylenes (Total)	300	0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	0.59	<0.20	0.22	<0.20	<0.20	-
Petroleum Hydrocarbons (PHCs)																						
PHC F1 (C6-C10)	750	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F1 (C6-C10) - BTEX	750	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (C10-C16)	150	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (C16-C34)	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (C34-C50)	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																						
Acetone	2700	1	-	<10	<10	<1.0	<1.0	<10	<1.0	<10	<10	<1.0	<10	-	<10	15	<1.0	<1.0	39	-	<1.0	-
Bromodichloromethane	16	0.20	-	<0.50	<0.50	<0.20	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<0.50	-	<0.50	<0.50	<0.20	<0.20	<0.50	-	<0.20	-
Bromoform	25	0.10	-	<1.0	<1.0	<0.10	<0.10	<1.0	<0.10	<1.0	<1.0	<0.10	<1.0	-	<1.0	<1.0	<0.10	<0.10	<1.0	-	<0.10	-
Bromomethane	0.89	0.20	-	<0.50	<0.50	<0.20	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<0.50	-	<0.50	<0.50	<0.20	<0.20	<0.50	-	<0.20	-
Carbon Tetrachloride	5	0.19	-	<0.19	<0.19	<0.20	<0.20	<0.19	<0.20	<0.19	<0.19	<0.20	<0.19	-	<0.19	<0.19	<0.20	<0.20	<0.19	-	<0.20	-
Chlorobenzene	30	0.10	-	<0.20	<0.20	<0.10	<0.10	<0.20	<0.10	<0.20	<0.20	<0.10	<0.20	-	<0.20	<0.20	<0.10	<0.10	<0.20	-	<0.10	-
Chloroform	22	0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-
Dibromochloromethane	25	0.10	-	<0.50	<0.50	<0.10	<0.10	<0.50	<0.10	<0.50	<0.50	<0.10	<0.50	-	<0.50	<0.50	<0.10	<0.10	<0.50	-	<0.10	-
1,2-Dichlorobenzene	3	0.10	-	<0.40	<0.40	<0.10	<0.10	<0.40	<0.10	<0.40	<0.40	<0.10	<0.40	-	<0.40	<0.40	<0.10	<0.10	<0.40	-	<0.10	-
1,3-Dichlorobenzene	59	0.10	-	<0.40	<0.40	<0.10	<0.10	<0.40	<0.10	<0.40	<0.40	<0.10	<0.40	-	<0.40	<0.40	<0.10	<0.10	<0.40	-	<0.10	-
1,4-Dichlorobenzene	1	0.10	-	<0.40	<0.40	<0.10	<0.10	<0.40	<0.10	<0.40	<0.40	<0.10	<0.40	-	<0.40	<0.40	<0.10	<0.10	<0.40	-	<0.10	-
Dichlorodifluoromethane	590	0.40	-	<1.0	<1.0	<0.40	<0.40	<1.0	<0.40	<1.0	<1.0	<0.40	<1.0	-	<1.0	<1.0	<0.40	<0.40	<1.0	-	<0.40	-
1,1-Dichloroethane	5	0.20	-	<0.20	<0.20	<0.30	<0.30	<0.20	<0.20	<0.20	<0.20	<0.30	<0.20	-	<0.20	<0.20	<0.30	<0.30	<0.20	-	<0.30	-
1,2-Dichloroethane	5	0.20	-	<0.49	<0.49	<0.20	<0.20	<0.49	<0.30	<0.49	<0.49	<0.20	<0.49	-	<0.49	<0.49	<0.20	<0.20	<0.49	-	<0.20	-
1,1-Dichloroethylene	14	0.20	-	<0.20	<0.20	<0.30	<0.30	<0.20	<0.30	<0.20	<0.20	<0.30	<0.20	-	3.4	0.38	<0.30	<0.30	<0.20	-	<0.30	-
Cis-1,2-Dichloroethylene	17	0.20	-	4.1	<0.50	2.05	0.67	<0.50	<0.20	<0.50	<0.50	<0.20	<0.50	-	**530**	**110**	3.13	<0.20	0.83	-	<0.20	-
Trans-1,2-Dichloroethylene	17	0.20	-	<0.50	<0.50	<0.20	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<0.50	-	6.3	2.8	0.83	<0.20	<0.50	-	<0.20	-
1,2-Dichloropropane	5	0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-
Ethylene Dibromide (1,2-Dibromoethane)	0.2	0.10	-	<0.19	<0.19	<0.10	<0.10	<0.19	<0.10	<0.19	<0.19	<0.10	<0.19	-	<0.19	<0.19	<0.10	<0.10	<0.19	-	<0.10	-
Hexane (n)	520	0.20	-	<1.0	<1.0	<0.20	<0.20	<1.0	<0.20	<1.0	<1.0	<0.20	<1.0	-	<1.0	<1.0	<0.20	<0.20	<1.0	-	<0.20	-
Methylene chloride (Dichloromethane)	50	0.30	-	<2.0	<2.0	<0.30	<0.30	<2.0	<0.30	<2.0	<2.0	<0.30	<2.0	-	<2.0	<2.0	<0.30	<0.30	<2.0	-	<0.30	-
Methyl ethyl ketone (2-Butanone)	1800	1	-	<10	<10	<1.0	<1.0	<10	<1.0	<10	<10	<1.0	<10	-	<10	<10	<1.0	<1.0	17	-	<1.0	-
Methyl Isobutyl Ketone	640	1.0	-	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<5.0	-	<5.0	<5.0	<1.0	<1.0	<5.0	-	<1.0	-
Methyl t-butyl ether (MTBE)	15	0.20	-	<0.50	<0.50	<0.20	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<0.50	-	<0.50	<0.50	<0.20	<0.20	<0.50	-	<0.20	-
Styrene	5.4	0.10	-	<0.40	<0.40	<0.10	<0.10	<0.40	<0.10	<0.40	<0.40	<0.10	<0.40	-	<0.40	<0.40	<0.10	<0.10	<0.40	-	<0.10	-
1,1,1,2-Tetrachloroethane	1.1	0.10	-	<0.50	<0.50	<0.10	<0.10	<0.50	<0.10	<0.50	<0.50	<0.10	<0.50	-	<0.50	<0.50	<0.10	<0.10	<0.50	-	<0.10	-
1,1,2,2-Tetrachloroethane	1	0.10	-	<0.40	<0.40	<0.10	<0.10	<0.40	<0.10	<0.40	<0.40	<0.10	<0.40	-	<0.40	<0.40	<0.10	<0.10	<0.40	-	<0.10	-
Tetrachloroethylene	17	0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-
1,1,1-Trichloroethane	200	0.20	-	<0.20	<0.20	<0.30	<0.30	<0.20	<0.30	<0.20	<0.20	<0.30	<0.20	-	<0.20	<0.20	<0.30	<0.30	<0.20	-	<0.30	-
1,1,2-Trichloroethane	5	0.20	-	0.62	<0.40	<0.20	<0.20	<0.40	<0.20	<0.40	<0.40	<0.20	<0.40	-	<0.40	<0.40	<0.20	<0.20	<0.40	-	<0.20	-
Trichloroethylene	5	0.20	-	0.97	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	**41**	1.7	<0.20	<0.20	<0.20	-	<0.20	-
Trichlorofluoromethane	150	0.40	-	<0.50	<0.50	<0.40	<0.40	<0.50	<0.40	<0.50	<0.50	<0.40	<0.50	-	<0.50	<0.50	<0.40	<0.40	<0.50	-	<0.40	-
Vinyl Chloride	1.7	0.17	-	<0.20	<0.20	1.25	<0.17	<0.20	<0.17	<0.20	<0.20	<0.17	<0.20	-	**260**	**140**	1.05	<0.17	<0.20	-	<0.17	-
1,3-Dichloropropene	0.5	0.30	-	<0.50	<0.50	<0.30	<0.30	<0.50	<0.30	<0.50	<0.50	<0.30	<0.50	-	<0.50	<0.50	<0.30	<0.30	<0.50	-	<0.30	-
Polycyclic Aromatic Hydrocarbons																						
1&2-Methylnaphthalene	3.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4.1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW151	MW152						MW153					MW154						MW155	
Sample ID			MW151	MW152	MW152	MW152	MW152	MW152	MW152	MW153	MW153	MW153	MW153	MW153	MW154	MW154	MW154	MW154	MW154	MW154	MW155	MW155
Lab ID			AAXN60	TJQ274	VOT037	5291809	5388871	N/A	5966449	TJQ275	VOT040	5388872	N/A	5966454	TIX431	VOT035	5291808	5388873	N/A	5966458	5144360	5966473
Sampling Date			23-Aug-24	Aug-22	Apr-23	14-Sep-23	19-Oct-23	19-Oct-23	24-Jun-24	Aug-22	Apr-23	19-Oct-23	19-Oct-23	24-Jun-24	Aug-22	Apr-23	14-Sep-23	19-Oct-23	19-Oct-23	25-Jun-24	13-Jul-23	24-Jun-24
Screen length (m)				0.91 - 2.13						0.91 - 2.44					0.91 - 2.43						0.91 - 2.44	
Consultant			EXP	Arcadis	Arcadis	EXP	EXP	Arcadis	EXP	Arcadis	Arcadis	EXP	Arcadis	EXP	Arcadis	Arcadis	EXP	EXP	Arcadis	EXP	EXP	EXP
Laboratory			BV Labs	N/A	N/A	AGAT	AGAT	N/A	AGAT	N/A	N/A	AGAT	N/A	AGAT	N/A	N/A	AGAT	AGAT	N/A	AGAT	AGAT	AGAT
Certificate of Analysis Number			C4Q4099	N/A	N/A	23H069763	23H083947	N/A	24H167490	N/A	N/A	23H083947	N/A	24H167490	N/A	N/A	23H069763	23H083947	N/A	24H167490	23H047149	24H167490
Acenaphthylene	1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	2.4	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b/j)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	0.41	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	120	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	11	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	4.1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs)																						
Total PCB	3	0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																						
Barium	1000	2	-	-	-	12	14.6	-	-	-	-	69.5	-	57.2	-	-	292	201	-	95.9	-	46.6
Beryllium	4	0.5	-	-	-	<0.50	<0.50	-	-	-	-	<0.50	-	<0.50	-	-	<0.50	<0.50	-	<0.50	-	<0.50
Boron (Total)	5000	10	-	-	-	182	168	-	-	-	-	279	-	171	-	-	236	206	-	104	-	53.7
Cadmium	2.7	0.2	-	-	-	<0.20	<0.20	-	-	-	-	<0.20	-	<0.20	-	-	<0.20	<0.20	-	<0.20	-	<0.20
Chromium (total)	50	2	-	-	-	<2.0	<2.0	-	-	-	-	2.2	-	<2.0	-	-	<2.0	<2.0	-	<2.0	-	<2.0
Cobalt	3.8	0.5	-	-	-	1.12	<0.50	-	-	-	-	**3.87**	-	1.2	-	-	**30**	**16.5**	-	1.22	-	<0.50
Copper	87	1	-	-	-	2	6.1	-	-	-	-	2.2	-	9.8	-	-	<1.0	<1.0	-	<1.0	-	3.9
Lead	10	0.5	-	-	-	<0.50	<0.50	-	-	-	-	<0.50	-	<0.50	-	-	<0.50	<0.50	-	<0.50	-	<0.50
Molybdenum	70	0.5	-	-	-	22.8	15.4	-	-	-	-	10.5	-	2.46	-	-	1.15	3.6	-	4.96	-	4.65
Nickel	100	1	-	-	-	<1.0	<1.0	-	-	-	-	3.1	-	1	-	-	18.9	9.3	-	<1.0	-	<1.0
Silver	1.5	0.2	-	-	-	<0.20	<0.20	-	-	-	-	<0.20	-	<0.20	-	-	<0.20	<0.20	-	<0.20	-	<0.20
Thallium	2	0.3	-	-	-	<0.30	<0.30	-	-	-	-	<0.30	-	<0.30	-	-	<0.30	<0.30	-	<0.30	-	<0.30
Uranium	20	0.5	-	-	-	0.71	0.8	-	-	-	-	4.58	-	3.72	-	-	1.18	2.28	-	2.68	-	1.83
Vanadium	6.2	0.4	-	-	-	<0.40	0.99	-	-	-	-	1.21	-	<0.40	-	-	0.94	1.98	-	<0.40	-	<0.40
Zinc	1100	5	-	-	-	<5.0	<5.0	-	-	-	-	<5.0	-	<5.0	-	-	6	<5.0	-	<5.0	-	<5.0
Hydride-Forming Metals																						
Antimony	6	1	-	-	-	<1.0	<1.0	-	-	-	-	<1.0	-	<1.0	-	-	<1.0	<1.0	-	<1.0	-	<1.0
Arsenic	25	1	-	-	-	1.1	1.1	-	-	-	-	4.4	-	<1.0	-	-	15	16.3	-	2.7	-	<1.0
Selenium	10	1	-	-	-	<1.0	<1.0	-	-	-	-	1.5	-	<1.0	-	-	2.1	2.6	-	<1.0	-	<1.0
Other Regulated Parameters (ORPs)																						
Chromium VI	25	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Mercury	0.15	0.00005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

All groundwater concentrations reported in µg/L.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Non-detect but detection limit exceeds the MECP (2011) SCS

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW201				MW203					MW204			MW205	MW207A	MW301	MW302	MW304
Sample ID			MW201	MW2011	MW201	MW201	MW203	MW2033	MW203	MW2033	MW203	MW204	MW204	MW204	MW205	MW207A	MW301	MW302	MW304
Lab ID			5291810	5291811	5388874	5966474	5144361	5144362	5291812	5291814	5966475	5291813	5388875	6016085	5966479	6076138	6076143	6076149	6073582
Sampling Date			14-Sep-23	14-Sep-23	19-Oct-23	24-Jun-24	13-Jul-23	13-Jul-23	13-Sep-23	13-Sep-23	26-Jun-24	13-Sep-23	19-Oct-23	17-Jul-24	26-Jun-24	13-Aug-24	13-Aug-24	13-Aug-24	12-Aug-24
Screen length (m)			17.1 - 20.1	Field Duplicate of MW201	17.1 - 20.1		17.1 - 20.1	Field Duplicate of MW203	17.1 - 20.1	Field Duplicate of MW203	17.1 - 20.1	17.1 - 20.1			17.1 - 20.1	3.81 - 5.33	1.37 - 2.90	3.96 - 7.01	3.96 - 7.01
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Certificate of Analysis Number			23H069763	23H069763	23H083947	24H167490	23H047149	23H047149	23H069763	23H069763	24H167490	23H069763	23H083947	24H175816	24H167490	24H185136	24H185136	24H185136	24H184763
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																			
Benzene	5	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	0.41	-	-	0.40	<0.20	<0.20	<0.20
Toluene	24	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	2.4	0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10
o-Xylene	NV	0.10	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.10	<0.10	<0.10	<0.10
m-Xylene + p-Xylene	NV	0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	-	<0.20	<0.20	<0.20	<0.20
Xylenes (Total)	300	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
Petroleum Hydrocarbons (PHCs)																			
PHC F1 (C6-C10)	750	25	-	-	-	-	-	-	-	-	-	-	-	-	-	<25	<25	-	-
PHC F1 (C6-C10) - BTEX	750	25	-	-	-	-	-	-	-	-	-	-	-	-	-	<25	<25	-	-
PHC F2 (C10-C16)	150	100	-	-	-	-	-	-	-	-	-	-	-	-	-	**617**	<100	-	-
PHC F3 (C16-C34)	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-	**568**	<100	-	-
PHC F4 (C34-C50)	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-	<100	<100	-	-
Volatile Organic Compounds (VOCs)																			
Acetone	2700	1	<1.0	<1.0	<1.0	-	<1.0	-	<1.0	<1.0	-	42	<1.0	-	-	<1.0	-	<1.0	<1.0
Bromodichloromethane	16	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	-	<0.20	<0.20
Bromoform	25	0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	-	<0.10	-	<0.10	<0.10
Bromomethane	0.89	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	-	<0.20	<0.20
Carbon Tetrachloride	5	0.19	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	-	<0.20	<0.20
Chlorobenzene	30	0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	-	<0.10	-	<0.10	<0.10
Chloroform	22	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	-	<0.20	<0.20
Dibromochloromethane	25	0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	-	<0.10	-	<0.10	<0.10
1,2-Dichlorobenzene	3	0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	-	<0.10	-	<0.10	<0.10
1,3-Dichlorobenzene	59	0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	-	<0.10	-	<0.10	<0.10
1,4-Dichlorobenzene	1	0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	-	<0.10	-	<0.10	<0.10
Dichlorodifluoromethane	590	0.40	<0.40	<0.40	<0.40	-	<0.40	-	<0.40	<0.40	-	<0.40	<0.40	-	-	<0.40	-	<0.40	<0.40
1,1-Dichloroethane	5	0.20	<0.30	<0.30	<0.30	-	<0.30	-	<0.30	<0.30	-	<0.30	<0.30	-	-	<0.30	-	<0.30	<0.30
1,2-Dichloroethane	5	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	-	<0.20	<0.20
1,1-Dichloroethylene	14	0.20	<0.30	<0.30	<0.30	-	<0.30	-	<0.30	<0.30	-	<0.30	<0.30	-	-	<0.30	-	<0.30	<0.30
Cis-1,2-Dichloroethylene	17	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	0.29	-	-	<0.20	-	<0.20	<0.20
Trans-1,2-Dichloroethylene	17	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	-	<0.20	<0.20
1,2-Dichloropropane	5	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	-	<0.20	<0.20
Ethylene Dibromide (1,2-Dibromoethane)	0.2	0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	-	<0.10	-	<0.10	<0.10
Hexane (n)	520	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	-	<0.20	<0.20
Methylene chloride (Dichloromethane)	50	0.30	<0.30	<0.30	<0.30	-	<0.30	-	<0.30	<0.30	-	<0.30	<0.30	-	-	<0.30	-	<0.30	<0.30
Methyl ethyl ketone (2-Butanone)	1800	1	<1.0	<1.0	<1.0	-	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	-	<1.0	-	<1.0	<1.0
Methyl Isobutyl Ketone	640	1.0	<1.0	<1.0	<1.0	-	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	-	<1.0	-	<1.0	<1.0
Methyl t-butyl ether (MTBE)	15	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	-	<0.20	<0.20
Styrene	5.4	0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	-	<0.10	-	<0.10	<0.10
1,1,1,2-Tetrachloroethane	1.1	0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	-	<0.10	-	<0.10	<0.10
1,1,2,2-Tetrachloroethane	1	0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	-	<0.10	-	<0.10	<0.10
Tetrachloroethylene	17	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	-	<0.20	<0.20
1,1,1-Trichloroethane	200	0.20	<0.30	<0.30	<0.30	-	<0.30	-	<0.30	<0.30	-	<0.30	<0.30	-	-	<0.30	-	<0.30	<0.30
1,1,2-Trichloroethane	5	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	-	<0.20	<0.20
Trichloroethylene	5	0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	-	<0.20	-	<0.20	<0.20
Trichlorofluoromethane	150	0.40	<0.40	<0.40	<0.40	-	<0.40	-	<0.40	<0.40	-	<0.40	<0.40	-	-	<0.40	-	<0.40	<0.40
Vinyl Chloride	1.7	0.17	<0.17	<0.17	<0.17	-	<0.17	-	<0.17	<0.17	-	<0.17	<0.17	-	-	<0.17	-	<0.17	<0.17
1,3-Dichloropropene	0.5	0.30	<0.30	<0.30	<0.30	-	<0.30	-	<0.30	<0.30	-	<0.30	<0.30	-	-	<0.30	-	<0.30	<0.30
Polycyclic Aromatic Hydrocarbons																			
1&2-Methylnaphthalene	3.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	**15**	<0.20	-	-
Acenaphthene	4.1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	1	<0.20	-	-

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID			MW201				MW203					MW204			MW205	MW207A	MW301	MW302	MW304
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW201	MW2011	MW201	MW201	MW203	MW2033	MW203	MW2033	MW203	MW204	MW204	MW204	MW205	MW207A	MW301	MW302	MW304
Lab ID			5291810	5291811	5388874	5966474	5144361	5144362	5291812	5291814	5966475	5291813	5388875	6016085	5966479	6076138	6076143	6076149	6073582
Sampling Date			14-Sep-23	14-Sep-23	19-Oct-23	24-Jun-24	13-Jul-23	13-Jul-23	13-Sep-23	13-Sep-23	26-Jun-24	13-Sep-23	19-Oct-23	17-Jul-24	26-Jun-24	13-Aug-24	13-Aug-24	13-Aug-24	12-Aug-24
Screen length (m)			17.1 - 20.1	Field Duplicate of MW201	17.1 - 20.1		17.1 - 20.1	Field Duplicate of MW203	17.1 - 20.1	Field Duplicate of MW203	17.1 - 20.1	17.1 - 20.1			17.1 - 20.1	3.81 - 5.33	1.37 - 2.90	3.96 - 7.01	3.96 - 7.01
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Certificate of Analysis Number			23H069763	23H069763	23H083947	24H167490	23H047149	23H047149	23H069763	23H069763	24H167490	23H069763	23H083947	24H175816	24H167490	24H185136	24H185136	24H185136	24H184763
Acenaphthylene	1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29	<0.20	-	-
Anthracene	2.4	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	0.65	<0.10	-	-
Benzo(a)anthracene	1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	<0.20	-	-
Benzo(a)pyrene	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	<0.01	-	-
Benzo(b/j)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.10	<0.10	-	-
Benzo(ghi)perylene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	<0.20	-	-
Benzo(k)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.10	<0.10	-	-
Chrysene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.11**	<0.10	-	-
Dibenz(a,h)anthracene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	<0.20	-	-
Fluoranthene	0.41	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	<0.20	-	-
Fluorene	120	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	1.85	<0.20	-	-
Indeno(1,2,3-cd)pyrene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.20	<0.20	-	-
Naphthalene	11	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	<0.20	-	-
Phenanthrene	1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	**3.54**	<0.10	-	-
Pyrene	4.1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	<0.20	-	-
Polychlorinated Biphenyls (PCBs)																			
Total PCB	3	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																			
Barium	1000	2	78.9	78.4	72.1	58.5	38	37.5	24.9	25.6	26.4	<2.0	164	36.8	69.4	81.1	296	-	-
Beryllium	4	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	-
Boron (Total)	5000	10	3270	3140	2590	498	4310	4330	4910	4770	4610	37.3	1410	591	3210	130	171	-	-
Cadmium	2.7	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-
Chromium (total)	50	2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	-
Cobalt	3.8	0.5	<0.50	<0.50	<0.50	0.79	<0.50	<0.50	<0.50	0.57	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.88	-	-
Copper	87	1	1.6	1.4	2.2	<1.0	<1.0	<1.0	1.5	1.5	<1.0	2.5	<1.0	<1.0	5.3	2.2	1.2	-	-
Lead	10	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	-
Molybdenum	70	0.5	1.83	1.52	2.32	3.88	2.3	2.51	2.36	2.56	1.91	<0.50	0.58	7.97	16.7	3.88	1.37	-	-
Nickel	100	1	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	5.4	3.7	3	6.7	-	-
Silver	1.5	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.2	<0.20	-	-
Thallium	2	0.3	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	-
Uranium	20	0.5	<0.50	<0.50	<0.50	0.88	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.72	4.29	5.78	-	-
Vanadium	6.2	0.4	<0.40	<0.40	0.42	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	0.58	-	-
Zinc	1100	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.2	<5.0	<5.0	10	15.2	5	-	-
Hydride-Forming Metals																			
Antimony	6	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-
Arsenic	25	1	2.6	2.5	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	1.2	1.7	<1.0	<1.0	-	-
Selenium	10	1	**17.6**	**20.2**	**13.9**	3.8	9	**10.2**	9.4	7.5	2.4	<1.0	9	<1.0	8.6	<1.0	<1.0	-	-
Other Regulated Parameters (ORPs)																			
Chromium VI	25	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1	0.02	-	-	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	-
Methyl Mercury	0.15	0.00005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

All groundwater concentrations reported in µg/L.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Non-detect but detection limit exceeds the MECP (2011) SCS

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID			MW305		MW306	MW307	MW308S	MW308I	MW308D	MW309	MW310	MW311	MW312		MW313		MW314	MW315	MW316	MW317		MW319
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW305	MW305	MW306	MW307	MW308S	MW308I	MW308D	MW309	MW310	MW311	MW312	MW312	MW313	MW313	MW314	MW315	MW316	MW317	MW317	MW319
Lab ID			6073586	AAXN61	6073588	6073591	6073596	6073597	6073598	6073599	6073600	6073601	5388877	6016086	5388879	ZQP046	5291815	5291816	5291817	5291818	AAXN62	5388880
Sampling Date			12-Aug-24	23-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	20-Oct-23	17-Jul-24	23-Oct-23	4-Jul-24	13-Sep-23	13-Sep-23	13-Sep-23	13-Sep-23	23-Aug-24	20-Oct-23
Screen length (m)			3.96 - 7.01		0.91 - 2.44	0.91 - 2.44	1.06 - 2.29	4.88 - 6.4	10.0 - 13.0	3.96 - 7.01	0.94 - 2.44	3.66 - 4.11	1.37 - 2.90		2.13 - 3.51		3.66 - 6.71	3.96 - 7.01	3.96 - 7.01	3.96 - 7.01		2.44 - 5.49
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	BV Labs	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	BV Labs	AGAT	AGAT	AGAT	AGAT	BV Labs	AGAT
Certificate of Analysis Number			24H184763	C4Q4099	24H184763	24H184763	24H184763	24H184763	24H184763	24H184763	24H184763	24H184763	23H083947	24H175816	23H083947	C4K5576	23H069763	23H069763	23H069763	23H069763	C4Q4099	23H083947
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																						
Benzene	5	0.20	<0.20	-	<0.20	-	0.25	<0.20	0.38	<0.20	0.24	<0.20	<0.20	-	<0.20	-	<0.20	0.38	<0.20	<0.20	-	<0.40
Toluene	24	0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.40
Ethylbenzene	2.4	0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20
o-Xylene	NV	0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	0.12	<0.10	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.40
m-Xylene + p-Xylene	NV	0.10	<0.20	-	0.38	-	<0.20	<0.20	<0.20	<0.20	0.38	<0.20	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20
Xylenes (Total)	300	0.20	<0.20	-	0.38	-	<0.20	<0.20	<0.20	<0.20	0.5	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.20
Petroleum Hydrocarbons (PHCs)																						
PHC F1 (C6-C10)	750	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F1 (C6-C10) - BTEX	750	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (C10-C16)	150	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (C16-C34)	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (C34-C50)	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																						
Acetone	2700	1	<1.0	-	<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	-	<1.0	<1.0	<1.0	<1.0	-	<2.0
Bromodichloromethane	16	0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.40
Bromoform	25	0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20
Bromomethane	0.89	0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.40
Carbon Tetrachloride	5	0.19	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.40
Chlorobenzene	30	0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20
Chloroform	22	0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.40
Dibromochloromethane	25	0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20
1,2-Dichlorobenzene	3	0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20
1,3-Dichlorobenzene	59	0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20
1,4-Dichlorobenzene	1	0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20
Dichlorodifluoromethane	590	0.40	<0.40	-	<0.40	-	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	-	<0.40	-	<0.40	<0.40	<0.40	<0.40	-	<0.80
1,1-Dichloroethane	5	0.20	<0.30	-	<0.30	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	2.69	-	<0.30	-	<0.30	<0.30	<0.30	<0.30	-	<0.60
1,2-Dichloroethane	5	0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.40
1,1-Dichloroethylene	14	0.20	<0.30	-	<0.30	-	1.36	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	<0.30	-	<0.30	<0.30	<0.30	<0.30	-	<0.60
Cis-1,2-Dichloroethylene	17	0.20	6.57	-	7.91	-	**157**	<0.20	<0.20	0.81	<0.20	11.1	**883**	-	<0.20	-	**67.5**	10.6	5.71	10.8	-	14.1
Trans-1,2-Dichloroethylene	17	0.20	<0.20	-	0.3	-	1.8	<0.20	<0.20	<0.20	<0.20	<0.20	**19.6**	-	<0.20	-	0.58	<0.20	<0.20	<0.20	-	<0.40
1,2-Dichloropropane	5	0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.40
Ethylene Dibromide (1,2-Dibromoethane)	0.2	0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20
Hexane (n)	520	0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.40
Methylene chloride (Dichloromethane)	50	0.30	<0.30	-	<0.30	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	<0.30	-	<0.30	<0.30	<0.30	<0.30	-	<0.60
Methyl ethyl ketone (2-Butanone)	1800	1	<1.0	-	<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	-	<1.0	<1.0	<1.0	<1.0	-	<2.0
Methyl Isobutyl Ketone	640	1.0	<1.0	-	<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	-	<1.0	<1.0	<1.0	<1.0	-	<2.0
Methyl t-butyl ether (MTBE)	15	0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.40
Styrene	5.4	0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20
1,1,1,2-Tetrachloroethane	1.1	0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20
1,1,2,2-Tetrachloroethane	1	0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	-	<0.10	<0.10	<0.10	<0.10	-	<0.20
Tetrachloroethylene	17	0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.40
1,1,1-Trichloroethane	200	0.20	<0.30	-	<0.30	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	<0.30	-	<0.30	<0.30	<0.30	<0.30	-	<0.60
1,1,2-Trichloroethane	5	0.20	<0.20	-	<0.20	-	1.56	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	-	<0.20	<0.20	<0.20	<0.20	-	<0.40
Trichloroethylene	5	0.20	0.42	-	0.71	-	**19.8**	<0.20	<0.20	<0.20	<0.20	<0.20	**16.4**	-	<0.20	-	0.38	**18.6**	<0.20	<0.20	-	0.4
Trichlorofluoromethane	150	0.40	<0.40	-	<0.40	-	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	-	<0.40	-	<0.40	<0.40	<0.40	<0.40	-	<0.80
Vinyl Chloride	1.7	0.17	<0.17	-	**15.6**	-	**71.2**	<0.17	<0.17	**2.42**	<0.17	**7.51**	**184**	-	<0.17	-	**7.61**	0.82	**1.75**	**3.48**	-	**21.9**
1,3-Dichloropropene	0.5	0.30	<0.30	-	<0.30	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	<0.30	-	<0.30	<0.30	<0.30	<0.30	-	<0.30
Polycyclic Aromatic Hydrocarbons																						
1&2-Methylnaphthalene	3.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4.1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW305		MW306	MW307	MW308S	MW308I	MW308D	MW309	MW310	MW311	MW312		MW313		MW314	MW315	MW316	MW317		MW319
Sample ID			MW305	MW305	MW306	MW307	MW308S	MW308I	MW308D	MW309	MW310	MW311	MW312	MW312	MW313	MW313	MW314	MW315	MW316	MW317	MW317	MW319
Lab ID			6073586	AAXN61	6073588	6073591	6073596	6073597	6073598	6073599	6073600	6073601	5388877	6016086	5388879	ZQP046	5291815	5291816	5291817	5291818	AAXN62	5388880
Sampling Date			12-Aug-24	23-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	12-Aug-24	20-Oct-23	17-Jul-24	23-Oct-23	4-Jul-24	13-Sep-23	13-Sep-23	13-Sep-23	13-Sep-23	23-Aug-24	20-Oct-23
Screen length (m)			3.96 - 7.01		0.91 - 2.44	0.91 - 2.44	1.06 - 2.29	4.88 - 6.4	10.0 - 13.0	3.96 - 7.01	0.94 - 2.44	3.66 - 4.11	1.37 - 2.90		2.13 - 3.51		3.66 - 6.71	3.96 - 7.01	3.96 - 7.01	3.96 - 7.01		2.44 - 5.49
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	BV Labs	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	BV Labs	AGAT	AGAT	AGAT	AGAT	BV Labs	AGAT
Certificate of Analysis Number			24H184763	C4Q4099	24H184763	24H184763	24H184763	24H184763	24H184763	24H184763	24H184763	24H184763	23H083947	24H175816	23H083947	C4K5576	23H069763	23H069763	23H069763	23H069763	C4Q4099	23H083947
Acenaphthylene	1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	2.4	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b/j)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	0.41	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	120	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	11	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	4.1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs)																						
Total PCB	3	0.05	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-
Metals																						
Barium	1000	2	-	-	29.6	39	-	-	-	-	-	81.9	-	35.3	-	-	-	-	-	-	-	-
Beryllium	4	0.5	-	-	<0.50	<0.50	-	-	-	-	-	<0.50	-	<0.50	-	-	-	-	-	-	-	-
Boron (Total)	5000	10	-	-	408	621	-	-	-	-	-	3620	-	195	-	-	-	-	-	-	-	-
Cadmium	2.7	0.2	-	-	<0.20	<0.20	-	-	-	-	-	<0.20	-	<0.20	-	-	-	-	-	-	-	-
Chromium (total)	50	2	-	-	<2.0	<2.0	-	-	-	-	-	<2.0	-	<2.0	-	-	-	-	-	-	-	-
Cobalt	3.8	0.5	-	-	1.08	1	-	-	-	-	-	<0.50	-	<0.50	-	-	-	-	-	-	-	-
Copper	87	1	-	-	2	<1.0	-	-	-	-	-	2.4	-	<1.0	-	-	-	-	-	-	-	-
Lead	10	0.5	-	-	<0.50	<0.50	-	-	-	-	-	<0.50	-	<0.50	-	-	-	-	-	-	-	-
Molybdenum	70	0.5	-	-	2.35	2.12	-	-	-	-	-	0.75	-	10.1	-	-	-	-	-	-	-	-
Nickel	100	1	-	-	1.3	<1.0	-	-	-	-	-	<1.0	-	4	-	-	-	-	-	-	-	-
Silver	1.5	0.2	-	-	<0.20	<0.20	-	-	-	-	-	<0.20	-	<0.20	-	-	-	-	-	-	-	-
Thallium	2	0.3	-	-	<0.30	<0.30	-	-	-	-	-	<0.30	-	<0.30	-	-	-	-	-	-	-	-
Uranium	20	0.5	-	-	2.22	0.59	-	-	-	-	-	<0.50	-	1.61	-	-	-	-	-	-	-	-
Vanadium	6.2	0.4	-	-	<0.40	<0.40	-	-	-	-	-	<0.40	-	<0.40	-	-	-	-	-	-	-	-
Zinc	1100	5	-	-	<5.0	<5.0	-	-	-	-	-	9.1	-	<5.0	-	-	-	-	-	-	-	-
Hydride-Forming Metals																						
Antimony	6	1	-	-	<1.0	<1.0	-	-	-	-	-	<1.0	-	<1.0	-	-	-	-	-	-	-	-
Arsenic	25	1	-	-	2.1	<1.0	-	-	-	-	-	6.4	-	1.7	-	-	-	-	-	-	-	-
Selenium	10	1	-	-	1.6	<1.0	-	-	-	-	-	<1.0	-	<1.0	-	-	-	-	-	-	-	-
Other Regulated Parameters (ORPs)																						
Chromium VI	25	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1	0.02	-	-	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	-	-	-	-
Methyl Mercury	0.15	0.00005	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.00005	-	-	-	-	-	-

All groundwater concentrations reported in µg/L.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Non-detect but detection limit exceeds the MECP (2011) SCS

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW320	MW320D	MW323		MW324	MW325	MW326	MW327			MW328	MW329	MW332S		MW332D		MW333	MW334
Sample ID			MW320	MW320 D	MW323	MW323D	MW324	MW325	MW326	MW327	MW3277	MW327	MW328	MW329	MW332 S	MW332 S-0	MW332D	MW332D0	MW333	MW334
Lab ID			5388881	6076156	5388882	5388883	5291819	5388893	5388894	5388895	5388897	6061501	5388898	6073602	6076162	6076166	6073603	6073604	6076168	6076169
Sampling Date			20-Oct-23	13-Aug-24	20-Oct-23	20-Oct-23	13-Sep-23	20-Oct-23	23-Oct-23	20-Oct-23	20-Oct-23	8-Aug-24	20-Oct-23	12-Aug-24	13-Aug-24	13-Aug-24	12-Aug-24	12-Aug-24	13-Aug-24	13-Aug-24
Screen length (m)			4.57 - 7.62	10.0 - 13.0	1.98 - 3.51	Field Duplicate of MW323	2.44 - 5.49	2.44 - 5.49	2.13 - 3.66	3.66 - 5.18	Field Duplicate of MW327	3.66 - 5.18	1.52 - 3.05	4.88 - 6.4	1.37 - 2.90	Field Duplicate of MW332 S	10.0 - 13.0	Field Duplicate of MW332D	10.0 - 13.0	10.0 - 13.0
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Certificate of Analysis Number			23H083947	24H185136	23H083947	23H083947	23H069763	23H083947	23H083947	23H083947	23H083947	24T183314	23H083947	24H184763	24H185136	24H185136	24H184763	24H184763	24H185136	24H185136
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																				
Benzene	5	0.20	<0.40	1.01	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
Toluene	24	0.20	<0.40	0.49	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	0.25	0.25	<0.20	0.42
Ethylbenzene	2.4	0.10	<0.20	0.3	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-	0.13	0.13	<0.10	0.27
o-Xylene	NV	0.10	<0.40	0.47	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.10	-	-	0.21	0.2	<0.10	0.42
m-Xylene + p-Xylene	NV	0.10	<0.20	1.44	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	0.4	<0.10	<0.20	-	-	0.67	0.63	<0.20	1.25
Xylenes (Total)	300	0.20	<0.20	1.91	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	0.4	<0.20	<0.20	-	-	0.88	0.83	<0.20	1.67
Petroleum Hydrocarbons (PHCs)																				
PHC F1 (C6-C10)	750	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F1 (C6-C10) - BTEX	750	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (C10-C16)	150	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (C16-C34)	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (C34-C50)	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																				
Acetone	2700	1	<2.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	16	0.20	<0.40	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
Bromoform	25	0.10	<0.20	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10
Bromomethane	0.89	0.20	<0.40	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
Carbon Tetrachloride	5	0.19	<0.40	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	30	0.10	<0.20	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10
Chloroform	22	0.20	<0.40	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	25	0.10	<0.20	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	3	0.10	<0.20	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	59	0.10	<0.20	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	1	0.10	<0.20	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10
Dichlorodifluoromethane	590	0.40	<0.80	<0.40	<0.40	-	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	-	-	<0.40	<0.40	<0.40	<0.40
1,1-Dichloroethane	5	0.20	<0.60	<0.30	<0.30	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	-	<0.30	<0.30	<0.30	<0.30
1,2-Dichloroethane	5	0.20	<0.40	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethylene	14	0.20	1.58	<0.30	<0.30	-	<0.30	0.85	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	-	<0.30	<0.30	<0.30	<0.30
Cis-1,2-Dichloroethylene	17	0.20	5.2	<0.20	<0.20	-	**53.8**	**186**	<0.20	12.4	12.5	12.2	<0.20	1.79	-	-	<0.20	<0.20	2.57	<0.20
Trans-1,2-Dichloroethylene	17	0.20	<0.40	<0.20	<0.20	-	0.64	3.13	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	5	0.20	<0.40	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
Ethylene Dibromide (1,2-Dibromoethane)	0.2	0.10	<0.20	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10
Hexane (n)	520	0.20	<0.40	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
Methylene chloride (Dichloromethane)	50	0.30	<0.60	<0.30	<0.30	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	-	<0.30	<0.30	<0.30	<0.30
Methyl ethyl ketone (2-Butanone)	1800	1	<2.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	640	1.0	<2.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	<1.0	<1.0	<1.0	<1.0
Methyl t-butyl ether (MTBE)	15	0.20	<0.40	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
Styrene	5.4	0.10	<0.20	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10
1,1,1,2-Tetrachloroethane	1.1	0.10	<0.20	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	1	0.10	<0.20	<0.10	<0.10	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	17	0.20	<0.40	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	200	0.20	<0.60	<0.30	<0.30	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	-	<0.30	<0.30	<0.30	<0.30
1,1,2-Trichloroethane	5	0.20	<0.40	<0.20	<0.20	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	5	0.20	2.1	<0.20	<0.20	-	<0.20	2.52	<0.20	1.51	1.54	1.55	<0.20	<0.20	-	-	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	150	0.40	<0.80	<0.40	<0.40	-	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	-	-	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	1.7	0.17	**6.53**	<0.17	<0.17	-	**26.2**	**25.7**	<0.17	1.18	1.18	**2.53**	<0.17	**3.52**	-	-	<0.17	<0.17	1.39	<0.17
1,3-Dichloropropene	0.5	0.30	<0.30	<0.30	<0.30	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	-	-	<0.30	<0.30	<0.30	<0.30
Polycyclic Aromatic Hydrocarbons																				
1&2-Methylnaphthalene	3.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4.1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW320	MW320D	MW323		MW324	MW325	MW326	MW327			MW328	MW329	MW332S		MW332D		MW333	MW334
Sample ID			MW320	MW320 D	MW323	MW323D	MW324	MW325	MW326	MW327	MW3277	MW327	MW328	MW329	MW332 S	MW332 S-0	MW332D	MW332D0	MW333	MW334
Lab ID			5388881	6076156	5388882	5388883	5291819	5388893	5388894	5388895	5388897	6061501	5388898	6073602	6076162	6076166	6073603	6073604	6076168	6076169
Sampling Date			20-Oct-23	13-Aug-24	20-Oct-23	20-Oct-23	13-Sep-23	20-Oct-23	23-Oct-23	20-Oct-23	20-Oct-23	8-Aug-24	20-Oct-23	12-Aug-24	13-Aug-24	13-Aug-24	12-Aug-24	12-Aug-24	13-Aug-24	13-Aug-24
Screen length (m)			4.57 - 7.62	10.0 - 13.0	1.98 - 3.51	Field Duplicate of MW323	2.44 - 5.49	2.44 - 5.49	2.13 - 3.66	3.66 - 5.18	Field Duplicate of MW327	3.66 - 5.18	1.52 - 3.05	4.88 - 6.4	1.37 - 2.90	Field Duplicate of MW332 S	10.0 - 13.0	Field Duplicate of MW332D	10.0 - 13.0	10.0 - 13.0
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Certificate of Analysis Number			23H083947	24H185136	23H083947	23H083947	23H069763	23H083947	23H083947	23H083947	23H083947	24T183314	23H083947	24H184763	24H185136	24H185136	24H184763	24H184763	24H185136	24H185136
Acenaphthylene	1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	2.4	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b/j)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	0.41	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	120	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	11	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	4.1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs)																				
Total PCB	3	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																				
Barium	1000	2	-	-	52.3	53.7	-	-	-	12.1	-	-	54.3	-	36.6	37.8	-	-	-	-
Beryllium	4	0.5	-	-	<0.50	<0.50	-	-	-	<0.50	-	-	<0.50	-	<0.50	<0.50	-	-	-	-
Boron (Total)	5000	10	-	-	177	176	-	-	-	247	-	-	177	-	135	143	-	-	-	-
Cadmium	2.7	0.2	-	-	<0.20	<0.20	-	-	-	<0.20	-	-	<0.20	-	<0.20	<0.20	-	-	-	-
Chromium (total)	50	2	-	-	<2.0	<2.0	-	-	-	<2.0	-	-	<2.0	-	<2.0	<2.0	-	-	-	-
Cobalt	3.8	0.5	-	-	1.7	1.91	-	-	-	<0.50	-	-	2.66	-	0.93	0.61	-	-	-	-
Copper	87	1	-	-	5.3	6	-	-	-	2	-	-	2.2	-	12.8	12.2	-	-	-	-
Lead	10	0.5	-	-	<0.50	<0.50	-	-	-	<0.50	-	-	<0.50	-	<0.50	<0.50	-	-	-	-
Molybdenum	70	0.5	-	-	<0.50	0.63	-	-	-	2.42	-	-	3.14	-	2.56	2.2	-	-	-	-
Nickel	100	1	-	-	2.6	3.3	-	-	-	<1.0	-	-	2.6	-	2.7	2	-	-	-	-
Silver	1.5	0.2	-	-	<0.20	<0.20	-	-	-	<0.20	-	-	<0.20	-	<0.20	<0.20	-	-	-	-
Thallium	2	0.3	-	-	<0.30	<0.30	-	-	-	<0.30	-	-	<0.30	-	<0.30	<0.30	-	-	-	-
Uranium	20	0.5	-	-	3.28	3.32	-	-	-	2.21	-	-	7.55	-	1.22	1.37	-	-	-	-
Vanadium	6.2	0.4	-	-	1.23	1.66	-	-	-	<0.40	-	-	1.28	-	0.73	<0.40	-	-	-	-
Zinc	1100	5	-	-	<5.0	8.6	-	-	-	<5.0	-	-	8.8	-	<5.0	5.9	-	-	-	-
Hydride-Forming Metals																				
Antimony	6	1	-	-	<1.0	<1.0	-	-	-	<1.0	-	-	<1.0	-	<1.0	<1.0	-	-	-	-
Arsenic	25	1	-	-	<1.0	1.2	-	-	-	<1.0	-	-	4.1	-	<1.0	<1.0	-	-	-	-
Selenium	10	1	-	-	<1.0	<1.0	-	-	-	<1.0	-	-	<1.0	-	2.4	2.2	-	-	-	-
Other Regulated Parameters (ORPs)																				
Chromium VI	25	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Mercury	0.15	0.00005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

All groundwater concentrations reported in µg/L.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Non-detect but detection limit exceeds the MECP (2011) SCS

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID			MW335		MW336	MW337	MW338	MW339	MW340	Trip Blank								
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW335	MW335-0	MW336	MW337	MS338	MW339	MW340	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	TRIP BLANK	Trip Blank	Trip Blank
Lab ID			6073605	6073606	6073608	6076170	6076171	6076172	6076173	5144364	5144365	5388899	5388902	5966482	6016088	6061512	6073609	6073609
Sampling Date			12-Aug-24	12-Aug-24	12-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	-	-	-	-	-	-	-	-	-
Screen length (m)			10.0 - 13.0	Field Duplicate of MW335	10.0 - 13.0	10.0 - 13.0	10.0 - 13.0	10.0 - 13.0	10.0 - 13.0	-	-	-	-	-	-	-	-	-
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Certificate of Analysis Number			24H184763	24H184763	24H184763	24H185136	24H185136	24H185136	24H185136	23H047149	23H047149	23H083947	23H083947	24H167490	24H175816	24T183314	24H184763	24H185136
Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)																		
Benzene	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	24	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	2.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	NV	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.10	<0.10	<0.10
m-Xylene + p-Xylene	NV	0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20
Xylenes (Total)	300	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Petroleum Hydrocarbons (PHCs)																		
PHC F1 (C6-C10)	750	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F1 (C6-C10) - BTEX	750	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (C10-C16)	150	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (C16-C34)	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (C34-C50)	500	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)																		
Acetone	2700	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Bromomethane	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Carbon Tetrachloride	5	0.19	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chloroform	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	3	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	59	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Dichlorodifluoromethane	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,1-Dichloroethane	5	0.20	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.20	<0.30	<0.30	<0.30	<0.30
1,2-Dichloroethane	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.30	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethylene	14	0.20	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Cis-1,2-Dichloroethylene	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trans-1,2-Dichloroethylene	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylene Dibromide (1,2-Dibromoethane)	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Hexane (n)	520	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methylene chloride (Dichloromethane)	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl ethyl ketone (2-Butanone)	1800	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl t-butyl ether (MTBE)	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Styrene	5.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,1,2-Tetrachloroethane	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	200	0.20	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,1,2-Trichloroethane	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	1.7	0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,3-Dichloropropene	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Polycyclic Aromatic Hydrocarbons																		
1&2-Methylnaphthalene	3.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	4.1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D4: GROUNDWATER ANALYTICAL RESULTS
Phase Two Environmental Site Assessment
420 and 468 South Service Road East, Oakville, ON
GTR-23006348-E1

Location ID			MW335		MW336	MW337	MW338	MW339	MW340	Trip Blank								
Sample ID	MECP (2011) Table 2: Full Depth Background SCS in a Potable Groundwater Condition All Types of Land Use (fine textured soil)	RDL*	MW335	MW335-0	MW336	MW337	MS338	MW339	MW340	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	TRIP BLANK	Trip Blank	Trip Blank
Lab ID			6073605	6073606	6073608	6076170	6076171	6076172	6076173	5144364	5144365	5388899	5388902	5966482	6016088	6061512	6073609	6073609
Sampling Date			12-Aug-24	12-Aug-24	12-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	13-Aug-24	-	-	-	-	-	-	-	-	-
Screen length (m)			10.0 - 13.0	Field Duplicate of MW335	10.0 - 13.0	10.0 - 13.0	10.0 - 13.0	10.0 - 13.0	10.0 - 13.0	-	-	-	-	-	-	-	-	-
Consultant			EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP	EXP
Laboratory			AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT
Certificate of Analysis Number			24H184763	24H184763	24H184763	24H185136	24H185136	24H185136	24H185136	23H047149	23H047149	23H083947	23H083947	24H167490	24H175816	24T183314	24H184763	24H185136
Acenaphthylene	1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	2.4	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b/j)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	0.1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	0.41	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	120	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	11	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	4.1	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs)																		
Total PCB	3	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																		
Barium	1000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	4	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron (Total)	5000	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	2.7	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (total)	50	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	3.8	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	87	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	10	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	70	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	100	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	1.5	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	2	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	20	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	6.2	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1100	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydride-Forming Metals																		
Antimony	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	25	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Regulated Parameters (ORPs)																		
Chromium VI	25	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	1	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Mercury	0.15	0.00005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

All groundwater concentrations reported in µg/L.
RDL = Reporting Detection Limit
* Maximum RDL below MECP (2011) SCS
'<' = Parameter below detection limit, as indicated
'NV'= No value
NA= Not applicable or not analyzed
Bold Concentration exceeds MECP (2011) Table 1 SCS.
Non-detect but detection limit exceeds the MECP (2011) SCS

Appendix E1 – Laboratory Certificates of Analysis – Soil

AGAT Laboratories

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http://www.agatlabs.com

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Danika Durish
PROJECT: GTR-23006348-C0
AGAT WORK ORDER: 23H057843
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
DATE REPORTED: Aug 18, 2023
PAGES (INCLUDING COVER): 11
VERSION*: 1

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

Notes

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 30 days following analysis, unless expressly agreed otherwise in writing. Please contact your Client Project Manager if you require additional sample storage time.*
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Certificate of Analysis

AGAT WORK ORDER: 23H057843

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:420 South Service Rd E

SAMPLED BY:N, Mc

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

DATE RECEIVED: 2023-08-15

DATE REPORTED: 2023-08-18

		SAMPLE DESCRIPTION:		BH 312 SS2	BH 313 SS4	BH 314 SS3	BH 315 SS5	BH 316 SS5	BH 317 SS4	BH 319 SS3	BH 3199 SS3
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2023-08-14 12:00	2023-08-14 12:00	2023-08-11	2023-08-11 12:00	2023-08-11 12:00	2023-08-11	2023-08-15	2023-08-14
Parameter	**Unit**	**G / S**	**RDL**	**5214324**	**5214326**	**5214327**	**5214328**	**5214329**	**5214330**	**5214331**	**5214332**
Dichlorodifluoromethane	µg/g	25	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	ug/g	0.022	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Bromomethane	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	ug/g	5.8	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acetone	ug/g	28	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	ug/g	0.96	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trans- 1,2-Dichloroethylene	ug/g	0.75	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl tert-butyl Ether	ug/g	1.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	ug/g	0.6	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methyl Ethyl Ketone	ug/g	44	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Cis- 1,2-Dichloroethylene	ug/g	2.5	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chloroform	ug/g	0.18	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dichloroethane	ug/g	0.05	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,1,1-Trichloroethane	ug/g	3.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	ug/g	0.12	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	ug/g	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dichloropropane	ug/g	0.085	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trichloroethylene	ug/g	0.52	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Bromodichloromethane	ug/g	1.9	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Isobutyl Ketone	ug/g	4.3	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Toluene	ug/g	6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	ug/g	2.9	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylene Dibromide	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Tetrachloroethylene	ug/g	2.3	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Chlorobenzene	ug/g	2.7	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	1.6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 23H057843

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:420 South Service Rd E

SAMPLED BY:N, Mc

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

DATE RECEIVED: 2023-08-15 **DATE REPORTED: 2023-08-18**

		SAMPLE DESCRIPTION:		BH 312 SS2	BH 313 SS4	BH 314 SS3	BH 315 SS5	BH 316 SS5	BH 317 SS4	BH 319 SS3	BH 3199 SS3
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2023-08-14 12:00	2023-08-14 12:00	2023-08-11	2023-08-11 12:00	2023-08-11 12:00	2023-08-11	2023-08-15	2023-08-14
Parameter	**Unit**	**G / S**	**RDL**	**5214324**	**5214326**	**5214327**	**5214328**	**5214329**	**5214330**	**5214331**	**5214332**
m & p-Xylene	ug/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	ug/g	0.26	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	ug/g	2.2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	ug/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	ug/g	6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	ug/g	0.097	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	ug/g	1.7	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	ug/g	25	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene (Cis + Trans)	µg/g	0.081	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
n-Hexane	µg/g	34	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Moisture Content	%		0.1	5.4	15.1	8.6	9.8	12.6	26.4	18.7	17.4
Surrogate	**Unit**	**Acceptable Limits**									
Toluene-d8	% Recovery	50-140		110	112	110	105	107	105	110	103
4-Bromofluorobenzene	% Recovery	50-140		86	90	87	81	86	82	87	80

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 23H057843

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:420 South Service Rd E

SAMPLED BY:N, Mc

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

DATE RECEIVED: 2023-08-15

DATE REPORTED: 2023-08-18

		SAMPLE DESCRIPTION:		BH 320 SS4	BH 324 SS4	BH 325 SS4	BH326 SS4
		SAMPLE TYPE:		Soil	Soil	Soil	Soil
		DATE SAMPLED:		2023-08-14	2023-08-11 12:00	2023-08-15	2023-08-14 12:00
Parameter	Unit	G / S	RDL	5214333	5214334	5214335	5214336
Dichlorodifluoromethane	µg/g	25	0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	ug/g	0.022	0.02	<0.02	<0.02	<0.02	<0.02
Bromomethane	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	ug/g	5.8	0.05	<0.05	<0.05	<0.05	<0.05
Acetone	ug/g	28	0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	ug/g	0.96	0.05	<0.05	<0.05	<0.05	<0.05
Trans- 1,2-Dichloroethylene	ug/g	0.75	0.05	<0.05	<0.05	<0.05	<0.05
Methyl tert-butyl Ether	ug/g	1.4	0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	ug/g	0.6	0.02	<0.02	<0.02	<0.02	<0.02
Methyl Ethyl Ketone	ug/g	44	0.50	<0.50	<0.50	<0.50	<0.50
Cis- 1,2-Dichloroethylene	ug/g	2.5	0.02	<0.02	<0.02	<0.02	<0.02
Chloroform	ug/g	0.18	0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dichloroethane	ug/g	0.05	0.03	<0.03	<0.03	<0.03	<0.03
1,1,1-Trichloroethane	ug/g	3.4	0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	ug/g	0.12	0.05	<0.05	<0.05	<0.05	<0.05
Benzene	ug/g	0.17	0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dichloropropane	ug/g	0.085	0.03	<0.03	<0.03	<0.03	<0.03
Trichloroethylene	ug/g	0.52	0.03	<0.03	<0.03	<0.03	<0.03
Bromodichloromethane	ug/g	1.9	0.05	<0.05	<0.05	<0.05	<0.05
Methyl Isobutyl Ketone	ug/g	4.3	0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04
Toluene	ug/g	6	0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	ug/g	2.9	0.05	<0.05	<0.05	<0.05	<0.05
Ethylene Dibromide	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04
Tetrachloroethylene	ug/g	2.3	0.05	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04
Chlorobenzene	ug/g	2.7	0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	1.6	0.05	<0.05	<0.05	<0.05	<0.05

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 23H057843

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:420 South Service Rd E

SAMPLED BY:N, Mc

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

DATE RECEIVED: 2023-08-15 **DATE REPORTED: 2023-08-18**

				SAMPLE DESCRIPTION:	BH 320 SS4	BH 324 SS4	BH 325 SS4	BH326 SS4
				SAMPLE TYPE:	Soil	Soil	Soil	Soil
				DATE SAMPLED:	2023-08-14	2023-08-11 12:00	2023-08-15	2023-08-14 12:00
Parameter	**Unit**	**G / S**	**RDL**		**5214333**	**5214334**	**5214335**	**5214336**
m & p-Xylene	ug/g		0.05		<0.05	<0.05	<0.05	<0.05
Bromoform	ug/g	0.26	0.05		<0.05	<0.05	<0.05	<0.05
Styrene	ug/g	2.2	0.05		<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05		<0.05	<0.05	<0.05	<0.05
o-Xylene	ug/g		0.05		<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	ug/g	6	0.05		<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	ug/g	0.097	0.05		<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	ug/g	1.7	0.05		<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	ug/g	25	0.05		<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene (Cis + Trans)	µg/g	0.081	0.04		<0.04	<0.04	<0.04	<0.04
n-Hexane	µg/g	34	0.05		<0.05	<0.05	<0.05	<0.05
Moisture Content	%		0.1		19.7	8.4	17.0	15.2
Surrogate	**Unit**	**Acceptable Limits**						
Toluene-d8	% Recovery	50-140			106	107	111	106
4-Bromofluorobenzene	% Recovery	50-140			84	81	89	84

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5214324-5214336 The sample was analyzed using the high level technique. The sample was extracted using methanol, a small amount of the methanol extract was diluted in water and the purge & trap GC/MS analysis was performed. Results are based on the dry weight of the soil.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H057843

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish

SAMPLING SITE:420 South Service Rd E

SAMPLED BY:N, Mc

Trace Organics Analysis

RPT Date: Aug 18, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - VOCs (Soil)															
Dichlorodifluoromethane	5217092		<0.05	<0.05	NA	< 0.05	120%	50%	140%	99%	50%	140%	85%	50%	140%
Vinyl Chloride	5217092		<0.02	<0.02	NA	< 0.02	115%	50%	140%	103%	50%	140%	100%	50%	140%
Bromomethane	5217092		<0.05	<0.05	NA	< 0.05	96%	50%	140%	108%	50%	140%	94%	50%	140%
Trichlorofluoromethane	5217092		<0.05	<0.05	NA	< 0.05	98%	50%	140%	82%	50%	140%	92%	50%	140%
Acetone	5217092		<0.50	<0.50	NA	< 0.50	76%	50%	140%	115%	50%	140%	106%	50%	140%
1,1-Dichloroethylene	5217092		<0.05	<0.05	NA	< 0.05	85%	50%	140%	76%	60%	130%	92%	50%	140%
Methylene Chloride	5217092		<0.05	<0.05	NA	< 0.05	117%	50%	140%	83%	60%	130%	95%	50%	140%
Trans- 1,2-Dichloroethylene	5217092		<0.05	<0.05	NA	< 0.05	102%	50%	140%	101%	60%	130%	76%	50%	140%
Methyl tert-butyl Ether	5217092		<0.05	<0.05	NA	< 0.05	76%	50%	140%	74%	60%	130%	76%	50%	140%
1,1-Dichloroethane	5217092		<0.02	<0.02	NA	< 0.02	88%	50%	140%	82%	60%	130%	85%	50%	140%
Methyl Ethyl Ketone	5217092		<0.50	<0.50	NA	< 0.50	85%	50%	140%	105%	50%	140%	103%	50%	140%
Cis- 1,2-Dichloroethylene	5217092		<0.02	<0.02	NA	< 0.02	72%	50%	140%	74%	60%	130%	80%	50%	140%
Chloroform	5217092		<0.04	<0.04	NA	< 0.04	82%	50%	140%	73%	60%	130%	85%	50%	140%
1,2-Dichloroethane	5217092		<0.03	<0.03	NA	< 0.03	98%	50%	140%	85%	60%	130%	97%	50%	140%
1,1,1-Trichloroethane	5217092		<0.05	<0.05	NA	< 0.05	75%	50%	140%	98%	60%	130%	77%	50%	140%
Carbon Tetrachloride	5217092		<0.05	<0.05	NA	< 0.05	95%	50%	140%	75%	60%	130%	102%	50%	140%
Benzene	5217092		<0.02	<0.02	NA	< 0.02	79%	50%	140%	72%	60%	130%	79%	50%	140%
1,2-Dichloropropane	5217092		<0.03	<0.03	NA	< 0.03	85%	50%	140%	106%	60%	130%	80%	50%	140%
Trichloroethylene	5217092		<0.03	<0.03	NA	< 0.03	80%	50%	140%	86%	60%	130%	89%	50%	140%
Bromodichloromethane	5217092		<0.05	<0.05	NA	< 0.05	79%	50%	140%	103%	60%	130%	74%	50%	140%
Methyl Isobutyl Ketone	5217092		<0.50	<0.50	NA	< 0.50	72%	50%	140%	117%	50%	140%	97%	50%	140%
1,1,2-Trichloroethane	5217092		<0.04	<0.04	NA	< 0.04	94%	50%	140%	101%	60%	130%	97%	50%	140%
Toluene	5217092		<0.05	<0.05	NA	< 0.05	89%	50%	140%	87%	60%	130%	83%	50%	140%
Dibromochloromethane	5217092		<0.05	<0.05	NA	< 0.05	110%	50%	140%	113%	60%	130%	104%	50%	140%
Ethylene Dibromide	5217092		<0.04	<0.04	NA	< 0.04	82%	50%	140%	109%	60%	130%	89%	50%	140%
Tetrachloroethylene	5217092		<0.05	<0.05	NA	< 0.05	86%	50%	140%	76%	60%	130%	85%	50%	140%
1,1,1,2-Tetrachloroethane	5217092		<0.04	<0.04	NA	< 0.04	93%	50%	140%	95%	60%	130%	91%	50%	140%
Chlorobenzene	5217092		<0.05	<0.05	NA	< 0.05	91%	50%	140%	81%	60%	130%	84%	50%	140%
Ethylbenzene	5217092		<0.05	<0.05	NA	< 0.05	77%	50%	140%	71%	60%	130%	72%	50%	140%
m & p-Xylene	5217092		<0.05	<0.05	NA	< 0.05	92%	50%	140%	82%	60%	130%	84%	50%	140%
Bromoform	5217092		<0.05	<0.05	NA	< 0.05	101%	50%	140%	117%	60%	130%	98%	50%	140%
Styrene	5217092		<0.05	<0.05	NA	< 0.05	83%	50%	140%	83%	60%	130%	85%	50%	140%
1,1,2,2-Tetrachloroethane	5217092		<0.05	<0.05	NA	< 0.05	108%	50%	140%	108%	60%	130%	95%	50%	140%
o-Xylene	5217092		<0.05	<0.05	NA	< 0.05	97%	50%	140%	86%	60%	130%	87%	50%	140%
1,3-Dichlorobenzene	5217092		<0.05	<0.05	NA	< 0.05	95%	50%	140%	80%	60%	130%	86%	50%	140%
1,4-Dichlorobenzene	5217092		<0.05	<0.05	NA	< 0.05	97%	50%	140%	97%	60%	130%	101%	50%	140%
1,2-Dichlorobenzene	5217092		<0.05	<0.05	NA	< 0.05	101%	50%	140%	96%	60%	130%	104%	50%	140%
n-Hexane	5217092		<0.05	<0.05	NA	< 0.05	87%	50%	140%	91%	60%	130%	100%	50%	140%

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Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

5835 COOPERS AVENUE
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TEL (905)712-5100
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http://www.agatlabs.com

Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H057843

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish

SAMPLING SITE:420 South Service Rd E

SAMPLED BY:N, Mc

Trace Organics Analysis (Continued)

RPT Date: Aug 18, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

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

Certified By:

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Results relate only to the items tested. Results apply to samples as received.

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H057843

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish

SAMPLING SITE:420 South Service Rd E

SAMPLED BY:N, Mc

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

Results relate only to the items tested. Results apply to samples as received.

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H057843

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish

SAMPLING SITE:420 South Service Rd E

SAMPLED BY:N, Mc

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Chlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Ethylbenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
m & p-Xylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Bromoform	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Styrene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,2,2-Tetrachloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,3-Dichloropropene (Cis + Trans)	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
n-Hexane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Toluene-d8	VOL-91-5002	modified from EPA 5035A & EPA 8260D	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5002	modified from EPA 5035A & EPA 8260D	(P&T)GC/MS
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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webearth.agatlabs.com

Chain of Custody Record

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

Report Information:

Company: EXP Services Inc.
Contact: Danika Dunish
Address: 1266 South Service Rd Stoney Creek
Phone: Fax:
Reports to be sent to:
1. Email: danika.dunish@exp.com
2. Email: nicole.mcquoid@exp.com

Project Information:

Project: GTR-23006348-00
Site Location: 420 South Service Rd E.
Sampled By: N.MC
AGAT Quote #: standing offer PO: GTR-23006348-00
Please note: if quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☒
Company: EXP Services Inc
Contact: AP
Address:
Email: AP@exp.com.

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 2 (Indicate One)
☐ Ind/Com
☒ Res/Park
☐ Agriculture
Soil Texture (Check One)
☐ Coarse
☒ Fine

☐ Regulation 406
Table (Indicate One)

☐ Regulation 558

☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
(Region)

☐ Prov. Water Quality Objectives (PWQO)

☐ Other
(Indicate One)

Is this submission for a Record of Site Condition? ☒ Yes ☐ No

Report Guideline on Certificate of Analysis ☒ Yes ☐ No

Sample Matrix Legend

GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Laboratory Use Only

Work Order #: 23H057843
Cooler Quantity: 1 A COOLER
Arrival Temperatures: 2.0 | 2.4 | 3.9
3.1 | 3.0 | 2.5
Custody Seal Intact: ☐ Yes ☐ No ☒ N/A
Notes: LOOSE ICE

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
*TAT is exclusive of weekends and statutory holidays
For 'Same Day' analysis, please contact your AGAT CPM

	Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	VOC	PAHs	PCBs	PCBs: Aroclors ☐	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Regulation 406 SPLP Rainwater Leach ☐ VOCs ☐ SVOCs	O. Reg 406: Regulation 406 Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1.	BH312 SS2	23/8/14	PM	2	Soil						X								
2.	BH313 SS4	"	"								X								
3.	BH314 SS3	23/8/11	AM								X								
4.	BH315 SS5	"	PM								X								
5.	BH316 SS5	"	"								X								
6.	BH317 SS4	"	AM								X								
7.	BH39 SS3	23/8/14	AM								X								
8.	BH3199 SS3	"	"								X								
9.	BH320 SS4	"	"								X								
10.	BH324 SS4	23/8/11	PM.								X								
11.	BH325 SS4	23/8/14	AM								X								

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Nicole McQuoid	23/8/15	2:47	DTAC	Aug 15/23	2:50pm
DTAC	Aug 15/23	3pm		Aug 15	4:44pm

Page 1 of 1

N°: T-145796

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Document ID: DW-78-1511-022

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

Chain-of Custody Record

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

Laboratory Use Only

Work Order #: 23H057843

Cooler Quantity: LG COOLER

Arrival Temperatures: 2.0 | 2.4 | 3.0 | 3.1 | 3.0 | 2.5

Custody Seal Intact: ☐ Yes ☐ No ☑ N/A

Notes: LOOSE ICE

Report Information:

Company:

Contact:

Address: SAA PG.1
Same as

Phone: Fax:

Reports to be sent to:

1. Email:

2. Email:

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture

Soil Texture (Check One): ☐ Coarse ☒ Fine

☐ Regulation 406 — Table (Indicate One)

☐ Regulation 558

☐ COME

☐ Sewer Use ☐ Sanitary ☐ Storm — Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other (Indicate One)

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT

*TAT is exclusive of weekends and statutory holidays

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

Project Information:

Project:

Site Location: SAA Pg. 1

Sampled By: Same as

AGAT Quote #: PO:

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

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

Report Guideline on Certificate of Analysis ☒ Yes ☐ No

Invoice Information:

Bill To Same: Yes ☐ No ☐

Company:

Contact: Same as Pg.1

Address:

Email:

Sample Matrix Legend

GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	VOC	PAHs	PCBs	PCBs: Aroclors ☐	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Regulation 406 SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Regulation 406 Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. BH326 SS4	23/8/14	PM AM PM	2	Soil						X								
2.		AM PM																
3.		AM PM																
4.		AM PM																
5.		AM PM																
6.		AM PM																
7.		AM PM																
8.		AM PM																
9.		AM PM																
10.		AM PM																
11.		AM PM																

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Nicole McQuoid	23/8/15	2:47	DMC	Aug 15/23	2:50pm
DMC	Aug 15/23	3pm		Aug 15	4:44pm

Page 2 of 2

N°: T-145797

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CANADA L4Z 1Y2
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http://www.agatlabs.com

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Danika Durish / Melina Thogersen
PROJECT: GTR-23006348-C0
AGAT WORK ORDER: 23H069762
TRACE ORGANICS REVIEWED BY: Oksana Gushyla, Trace Organics Lab Supervisor
DATE REPORTED: Sep 22, 2023
PAGES (INCLUDING COVER): 8
VERSION*: 1

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

Notes

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.*
- *AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.*
- *This Certificate shall not be reproduced except in full, without the written approval of the laboratory.*
- *The test results reported herewith relate only to the samples as received by the laboratory.*
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- *All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.*
- *For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.*

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Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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Certificate of Analysis

AGAT WORK ORDER: 23H069762

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish / Melina Thogersen

SAMPLING SITE:420 & 468 South Service Rd East, Oakville

SAMPLED BY:MT

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

DATE RECEIVED: 2023-09-15

DATE REPORTED: 2023-09-22

		SAMPLE DESCRIPTION:		BH322 SS2	BH323 SS5	BH328 SS5	BH327 SS4	BH327 SS44
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2023-09-13	2023-09-13	2023-09-13	2023-09-13	2023-09-13
Parameter	Unit	G / S	RDL	5291888	5291889	5291890	5291891	5291892
Dichlorodifluoromethane	µg/g	25	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	ug/g	0.022	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Bromomethane	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	ug/g	5.8	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acetone	ug/g	28	0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	ug/g	0.96	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trans- 1,2-Dichloroethylene	ug/g	0.75	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl tert-butyl Ether	ug/g	1.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	ug/g	0.6	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methyl Ethyl Ketone	ug/g	44	0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Cis- 1,2-Dichloroethylene	ug/g	2.5	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chloroform	ug/g	0.18	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dichloroethane	ug/g	0.05	0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,1,1-Trichloroethane	ug/g	3.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	ug/g	0.12	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	ug/g	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dichloropropane	ug/g	0.085	0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trichloroethylene	ug/g	0.52	0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Bromodichloromethane	ug/g	1.9	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Isobutyl Ketone	ug/g	4.3	0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Toluene	ug/g	6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	ug/g	2.9	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylene Dibromide	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Tetrachloroethylene	ug/g	2.3	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Chlorobenzene	ug/g	2.7	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	1.6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
m & p-Xylene	ug/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 23H069762

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish / Melina Thogersen

SAMPLING SITE:420 & 468 South Service Rd East, Oakville

SAMPLED BY:MT

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

DATE RECEIVED: 2023-09-15 **DATE REPORTED: 2023-09-22**

		SAMPLE DESCRIPTION:		BH322 SS2	BH323 SS5	BH328 SS5	BH327 SS4	BH327 SS44
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2023-09-13	2023-09-13	2023-09-13	2023-09-13	2023-09-13
Parameter	**Unit**	**G / S**	**RDL**	**5291888**	**5291889**	**5291890**	**5291891**	**5291892**
Bromoform	ug/g	0.26	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	ug/g	2.2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	ug/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	ug/g	6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	ug/g	0.097	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	ug/g	1.7	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	ug/g	25	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene (Cis + Trans)	µg/g	0.081	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
n-Hexane	µg/g	34	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Moisture Content	%		0.1	9.4	13.2	12.2	11.4	15.9
Surrogate	**Unit**	**Acceptable Limits**						
Toluene-d8	% Recovery	50-140		112	116	116	117	114
4-Bromofluorobenzene	% Recovery	50-140		86	91	87	93	90

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5291888-5291892 The sample was analyzed using the high level technique. The sample was extracted using methanol, a small amount of the methanol extract was diluted in water and the purge & trap GC/MS analysis was performed. Results are based on the dry weight of the soil.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H069762

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish / Melina Thogersen

SAMPLING SITE:420 & 468 South Service Rd East, Oakville

SAMPLED BY:MT

Trace Organics Analysis

RPT Date: Sep 22, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - VOCs (Soil)															
Dichlorodifluoromethane	5290719		<0.05	<0.05	NA	< 0.05	97%	50%	140%	113%	50%	140%	97%	50%	140%
Vinyl Chloride	5290719		<0.02	<0.02	NA	< 0.02	110%	50%	140%	101%	50%	140%	108%	50%	140%
Bromomethane	5290719		<0.05	<0.05	NA	< 0.05	88%	50%	140%	80%	50%	140%	92%	50%	140%
Trichlorofluoromethane	5290719		<0.05	<0.05	NA	< 0.05	104%	50%	140%	98%	50%	140%	101%	50%	140%
Acetone	5290719		<0.50	<0.50	NA	< 0.50	83%	50%	140%	96%	50%	140%	89%	50%	140%
1,1-Dichloroethylene	5290719		<0.05	<0.05	NA	< 0.05	82%	50%	140%	81%	60%	130%	85%	50%	140%
Methylene Chloride	5290719		<0.05	<0.05	NA	< 0.05	86%	50%	140%	84%	60%	130%	85%	50%	140%
Trans- 1,2-Dichloroethylene	5290719		<0.05	<0.05	NA	< 0.05	74%	50%	140%	80%	60%	130%	75%	50%	140%
Methyl tert-butyl Ether	5290719		<0.05	<0.05	NA	< 0.05	99%	50%	140%	93%	60%	130%	89%	50%	140%
1,1-Dichloroethane	5290719		<0.02	<0.02	NA	< 0.02	72%	50%	140%	81%	60%	130%	82%	50%	140%
Methyl Ethyl Ketone	5290719		<0.50	<0.50	NA	< 0.50	81%	50%	140%	86%	50%	140%	90%	50%	140%
Cis- 1,2-Dichloroethylene	5290719		<0.02	<0.02	NA	< 0.02	83%	50%	140%	87%	60%	130%	82%	50%	140%
Chloroform	5290719		<0.04	<0.04	NA	< 0.04	79%	50%	140%	89%	60%	130%	83%	50%	140%
1,2-Dichloroethane	5290719		<0.03	<0.03	NA	< 0.03	94%	50%	140%	77%	60%	130%	84%	50%	140%
1,1,1-Trichloroethane	5290719		<0.05	<0.05	NA	< 0.05	73%	50%	140%	87%	60%	130%	79%	50%	140%
Carbon Tetrachloride	5290719		<0.05	<0.05	NA	< 0.05	86%	50%	140%	98%	60%	130%	91%	50%	140%
Benzene	5290719		<0.02	<0.02	NA	< 0.02	73%	50%	140%	78%	60%	130%	74%	50%	140%
1,2-Dichloropropane	5290719		<0.03	<0.03	NA	< 0.03	91%	50%	140%	71%	60%	130%	99%	50%	140%
Trichloroethylene	5290719		<0.03	<0.03	NA	< 0.03	86%	50%	140%	102%	60%	130%	106%	50%	140%
Bromodichloromethane	5290719		<0.05	<0.05	NA	< 0.05	76%	50%	140%	78%	60%	130%	74%	50%	140%
Methyl Isobutyl Ketone	5290719		<0.50	<0.50	NA	< 0.50	78%	50%	140%	89%	50%	140%	102%	50%	140%
1,1,2-Trichloroethane	5290719		<0.04	<0.04	NA	< 0.04	109%	50%	140%	102%	60%	130%	105%	50%	140%
Toluene	5290719		<0.05	<0.05	NA	< 0.05	95%	50%	140%	97%	60%	130%	92%	50%	140%
Dibromochloromethane	5290719		<0.05	<0.05	NA	< 0.05	119%	50%	140%	115%	60%	130%	113%	50%	140%
Ethylene Dibromide	5290719		<0.04	<0.04	NA	< 0.04	114%	50%	140%	97%	60%	130%	100%	50%	140%
1,1,1,2-Tetrachloroethane	5290719		<0.04	<0.04	NA	< 0.04	105%	50%	140%	108%	60%	130%	101%	50%	140%
Chlorobenzene	5290719		<0.05	<0.05	NA	< 0.05	102%	50%	140%	106%	60%	130%	100%	50%	140%
Ethylbenzene	5290719		<0.05	<0.05	NA	< 0.05	89%	50%	140%	91%	60%	130%	82%	50%	140%
m & p-Xylene	5290719		<0.05	<0.05	NA	< 0.05	91%	50%	140%	93%	60%	130%	87%	50%	140%
Bromoform	5290719		<0.05	<0.05	NA	< 0.05	92%	50%	140%	100%	60%	130%	103%	50%	140%
Styrene	5290719		<0.05	<0.05	NA	< 0.05	79%	50%	140%	78%	60%	130%	100%	50%	140%
1,1,2,2-Tetrachloroethane	5290719		<0.05	<0.05	NA	< 0.05	110%	50%	140%	80%	60%	130%	119%	50%	140%
o-Xylene	5290719		<0.05	<0.05	NA	< 0.05	92%	50%	140%	94%	60%	130%	90%	50%	140%
1,3-Dichlorobenzene	5290719		<0.05	<0.05	NA	< 0.05	109%	50%	140%	101%	60%	130%	100%	50%	140%
1,4-Dichlorobenzene	5290719		<0.05	<0.05	NA	< 0.05	88%	50%	140%	117%	60%	130%	119%	50%	140%
1,2-Dichlorobenzene	5290719		<0.05	<0.05	NA	< 0.05	94%	50%	140%	113%	60%	130%	113%	50%	140%
n-Hexane	5290719		<0.05	<0.05	NA	< 0.05	98%	50%	140%	77%	60%	130%	91%	50%	140%

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

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown, due to rounding of final results.

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H069762

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish / Melina Thogersen

SAMPLING SITE:420 & 468 South Service Rd East, Oakville

SAMPLED BY:MT

Trace Organics Analysis (Continued)

RPT Date: Sep 22, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

Certified By:

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H069762

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish / Melina Thogersen

SAMPLING SITE:420 & 468 South Service Rd East, Oakville

SAMPLED BY:MT

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

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H069762

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish / Melina Thogersen

SAMPLING SITE:420 & 468 South Service Rd East, Oakville

SAMPLED BY:MT

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Chlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Ethylbenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
m & p-Xylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Bromoform	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Styrene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,2,2-Tetrachloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,3-Dichloropropene (Cis + Trans)	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
n-Hexane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Toluene-d8	VOL-91-5002	modified from EPA 5035A & EPA 8260D	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5002	modified from EPA 5035A & EPA 8260D	(P&T)GC/MS
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE

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AGAT Laboratories

Have feedback? Scan here for a quick survey!

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webearth.agatlabs.com

Chain of Custody Record

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

Laboratory Use Only
Work Order #: 23H069762
Cooler Quantity: LG COOLER
Arrival Temperatures: 3.0 3.2 3.3 / 2.9 2.6 2.4
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: LOOSE ICE

Report Information:
Company: EXP Services Inc.
Contact: Danika Durish; Melina Thogersen
Address: 1266 South Service Rd, Unit C1-1, Stoney Creek
Phone: 905-525-6069 Fax:
Reports to be sent to:
1. Email: Danika.Durish@exp.com
2. Email: Melina.Thogersen@exp.com

Project Information:
Project: GTR-23006348-00
Site Location: 420 & 468 South Service Rd East, Oakville
Sampled By: MT
AGAT Quote #: PO: GTR-23006348-00
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:
Bill To Same: Yes ☐ No ☐
Company:
Contact:
Address:
Email: AP@EXP.com

Regulatory Requirements:
(Please check all applicable boxes)

☒ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☒ Fine
☐ Regulation 406 — Table (Indicate One)
☐ Regulation 558
☐ CCME
☐ Sewer Use ☐ Sanitary ☐ Storm — Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other (Indicate One)

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

Report Guideline on Certificate of Analysis ☒ Yes ☐ No

Turnaround Time (TAT) Required:
Regular TAT ☒ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
*TAT is exclusive of weekends and statutory holidays
For 'Same Day' analysis, please contact your AGAT CPM

Sample Matrix Legend
GW Ground Water
O Oil
P Paint
S Soil
SD Sediment
SW Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC Y/N	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	VOC	PAHs	PCBs	PCBs: Aroclors ☐	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Regulation 406 SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Regulation 406 Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. BH322 552	Sept. 13/23	AM	2	S						X								
2. BH323 555		PM	2							X								
3. BH328 555		PM	2							X								
4. BH327 554		AM	2							X								
5. BH327 5544	↓	AM	2	↓						X								
6.																		
7.																		
8.																		
9.																		
10.																		
11.																		

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Charlie Hill Charlie Hill	Sept 15/23	2:30PM	DTMC	Sept 15/23	2:30pm
DTMC	Sept 15/23	3pm	Aniqa Tahir A	Sep 15/23	4pm

Page 1 of 1
N°: T-147925

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

Document ID: DIV-78-1511.022
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Date Issued: Mar 30, 2023

AGAT Laboratories

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CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Jennifer Hayman
PROJECT: GTR-23000348-E1
AGAT WORK ORDER: 24H169980
SOIL ANALYSIS REVIEWED BY: Sukhwinder Randhawa, Inorganic Team Lead
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
DATE REPORTED: Jul 19, 2024
PAGES (INCLUDING COVER): 21
VERSION*: 2

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

Notes

VERSION 2:Version 2 supersedes work order 24H169980 , Version 1, issued July 11, 2024. 004, 007 for Metals.

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.*
- *AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.*
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- *All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.*
- *This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.*
- *For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.*

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Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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Certificate of Analysis

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

DATE RECEIVED: 2024-07-04 **DATE REPORTED: 2024-07-19**

		SAMPLE DESCRIPTION:		TP201	TP202	TP203	TP204 SS1	TP204 SS2	TP205 SS1	TP205 SS2
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-07-03 10:00	2024-07-03 10:15	2024-07-03 10:30	2024-07-03 10:45	2024-07-03 10:45	2024-07-03 11:00	2024-07-03 11:00
Parameter	**Unit**	**G / S**	**RDL**	**5979996**	**5979998**	**5980001**	**5980003**	**5980004**	**5980006**	**5980007**
Antimony	µg/g	7.5	0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Arsenic	µg/g	18	1	7	7	7	10	6	9	5
Barium	µg/g	390	2.0	57.2	90.0	100	85.1	103	112	92.2
Beryllium	µg/g	5	0.5	0.9	0.8	0.9	0.8	0.9	1.1	0.7
Boron	µg/g	120	5	14	12	15	14	17	14	15
Cadmium	µg/g	1.2	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	µg/g	160	5	24	23	25	25	23	28	22
Cobalt	µg/g	22	0.8	13.3	12.8	12.8	13.6	12.1	13.9	10.6
Copper	µg/g	180	1.0	38.3	74.4	122	**195**	79.0	**630**	73.9
Lead	µg/g	120	1	9	24	18	27	15	25	14
Molybdenum	µg/g	6.9	0.5	0.6	0.8	1.3	1.3	**13.1**	0.9	**14.1**
Nickel	µg/g	130	1	28	24	27	27	26	30	23
Selenium	µg/g	2.4	0.8	<0.8	<0.8	0.9	0.9	0.9	1.2	0.9
Silver	µg/g	25	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium	µg/g	1	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	µg/g	23	0.50	0.77	0.65	1.01	0.94	0.96	0.96	1.04
Vanadium	µg/g	86	2.0	33.4	32.0	35.6	32.1	37.9	38.7	36.3
Zinc	µg/g	340	5	69	91	87	137	76	180	74

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-04 **DATE REPORTED: 2024-07-19**

				SAMPLE DESCRIPTION:	TP201	TP202	TP203	TP204 SS1	TP204 SS2	TP205 SS1	TP205 SS2
				SAMPLE TYPE:	Soil	Soil	Soil	Soil	Soil	Soil	Soil
				DATE SAMPLED:	2024-07-03 10:00	2024-07-03 10:15	2024-07-03 10:30	2024-07-03 10:45	2024-07-03 10:45	2024-07-03 11:00	2024-07-03 11:00
Parameter	**Unit**	**G / S**	**RDL**		**5979996**	**5979998**	**5980001**	**5980003**	**5980004**	**5980006**	**5980007**
Acenaphthene	µg/g	58	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	µg/g	0.17	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	µg/g	0.74	0.05		<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.05
Benzo(a)anthracene	µg/g	0.63	0.05		<0.05	0.08	0.10	<0.05	0.20	<0.05	0.15
Benzo(a)pyrene	µg/g	0.3	0.05		<0.05	0.08	0.07	<0.05	0.18	<0.05	0.12
Benzo(b)fluoranthene	µg/g	0.78	0.05		<0.05	0.13	0.11	<0.05	0.34	<0.05	0.19
Benzo(g,h,i)perylene	µg/g	7.8	0.05		<0.05	0.06	0.06	<0.05	0.12	<0.05	0.08
Benzo(k)fluoranthene	µg/g	0.78	0.05		<0.05	<0.05	<0.05	<0.05	0.10	<0.05	<0.05
Chrysene	µg/g	7.8	0.05		<0.05	0.11	0.10	<0.05	0.27	<0.05	0.15
Dibenz(a,h)anthracene	µg/g	0.1	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	µg/g	0.69	0.05		<0.05	0.28	0.32	0.12	**1.28**	<0.05	0.53
Fluorene	µg/g	69	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-cd)pyrene	µg/g	0.48	0.05		<0.05	0.05	0.06	<0.05	0.12	<0.05	0.07
Moisture Content	%		0.1		14.9	10.8	15.3	14.2	13.4	13.6	15.9
Naphthalene	µg/g	0.75	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	µg/g	7.8	0.05		<0.05	0.23	0.26	0.05	1.50	<0.05	0.65
Pyrene	µg/g	78	0.05		<0.05	0.19	0.19	<0.05	0.46	<0.05	0.31
2-and 1-methyl Naphthalene	µg/g	3.4	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Surrogate	**Unit**	**Acceptable Limits**									
Acridine-d9	%	50-140			65	110	65	70	115	120	70
Naphthalene-d8	%	50-140			75	70	115	100	60	90	80
Terphenyl-d14	%	50-140			110	85	65	110	70	85	80

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

5979996-5980007 Results are based on the dry weight of the soil.
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-04 **DATE REPORTED: 2024-07-19**

		SAMPLE DESCRIPTION:		TP202-1
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2024-07-03 10:15
Parameter	**Unit**	**G / S**	**RDL**	**5979999**
Benzene	µg/g	0.17	0.02	<0.02
Toluene	µg/g	6	0.05	<0.05
Ethylbenzene	µg/g	1.6	0.05	<0.05
m & p-Xylene	µg/g		0.05	<0.05
o-Xylene	µg/g		0.05	<0.05
Xylenes (Total)	µg/g	25	0.05	<0.05
F1 (C6 to C10)	µg/g	65	5	<5
F1 (C6 to C10) minus BTEX	µg/g	65	5	<5
F2 (C10 to C16)	µg/g	150	10	<10
F3 (C16 to C34)	µg/g	1300	50	<50
F4 (C34 to C50)	µg/g	5600	50	<50
Gravimetric Heavy Hydrocarbons	µg/g	5600	50	NA
Moisture Content	%		0.1	12.7
Surrogate	**Unit**	**Acceptable Limits**		
Toluene-d8	% Recovery	60-140		67
Terphenyl	%	60-140		84

Certified By: NPopnikolof

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-04 **DATE REPORTED: 2024-07-19**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5979999 Results are based on sample dry weight.
The C6-C10 fraction is calculated using Toluene response factor.
Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX contribution.
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC6 and nC10 response factors are within 30% of Toluene response factor.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.
Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.
Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-04 **DATE REPORTED: 2024-07-19**

				SAMPLE DESCRIPTION:	TP201	TP203	TP205 SS1
				SAMPLE TYPE:	Soil	Soil	Soil
				DATE SAMPLED:	2024-07-03 10:00	2024-07-03 10:30	2024-07-03 11:00
Parameter	**Unit**	**G / S**	**RDL**		**5979996**	**5980001**	**5980006**
F1 (C6 to C10)	µg/g	65	5		<5	<5	<5
F1 (C6 to C10) minus BTEX	µg/g	65	5		<5	<5	<5
F2 (C10 to C16)	µg/g	150	10		<10	<10	<10
F2 (C10 to C16) minus Naphthalene	µg/g		10		<10	<10	<10
F3 (C16 to C34)	µg/g	1300	50		<50	<50	65
F3 (C16 to C34) minus PAHs	µg/g		50		<50	<50	65
F4 (C34 to C50)	µg/g	5600	50		<50	<50	<50
Gravimetric Heavy Hydrocarbons	µg/g	5600	50		NA	NA	NA
Moisture Content	%		0.1		14.9	15.3	13.6
Surrogate	**Unit**	**Acceptable Limits**					
Toluene-d8	%	50-140			80	80	78
Terphenyl	%	60-140			69	89	120

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5979996-5980006 Results are based on sample dry weight.
The C6-C10 fraction is calculated using toluene response factor.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-04

DATE REPORTED: 2024-07-19

				SAMPLE DESCRIPTION:	TP202	TP204 SS1
				SAMPLE TYPE:	Soil	Soil
				DATE SAMPLED:	2024-07-03 10:15	2024-07-03 10:45
Parameter	**Unit**	**G / S**	**RDL**		**5979998**	**5980003**
Benzene	µg/g	0.17	0.02		<0.02	<0.02
Toluene	µg/g	6	0.05		<0.05	<0.05
Ethylbenzene	µg/g	1.6	0.05		<0.05	<0.05
m & p-Xylene	µg/g		0.05		<0.05	<0.05
o-Xylene	µg/g		0.05		<0.05	<0.05
Xylenes (Total)	µg/g	25	0.05		<0.05	<0.05
F1 (C6 to C10)	µg/g	65	5		<5	<5
F1 (C6 to C10) minus BTEX	µg/g	65	5		<5	<5
F2 (C10 to C16)	µg/g	150	10		<10	<10
F2 (C10 to C16) minus Naphthalene	µg/g		10		<10	<10
F3 (C16 to C34)	µg/g	1300	50		<50	121
F3 (C16 to C34) minus PAHs	µg/g		50		<50	121
F4 (C34 to C50)	µg/g	5600	50		<50	<50
Gravimetric Heavy Hydrocarbons	µg/g	5600	50		NA	NA
Moisture Content	%		0.1		10.8	14.2
Surrogate	**Unit**	**Acceptable Limits**				
Toluene-d8	% Recovery	60-140			82	79
Terphenyl	%	60-140			89	85

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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CLIENT NAME: EXP SERVICES INC

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SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-04 **DATE REPORTED: 2024-07-19**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5979998-5980003 Results are based on sample dry weight.
The C6-C10 fraction is calculated using toluene response factor.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popowich

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-04

DATE REPORTED: 2024-07-19

SAMPLE DESCRIPTION:				TP201	TP203	TP205 SS1
SAMPLE TYPE:				Soil	Soil	Soil
DATE SAMPLED:				2024-07-03 10:00	2024-07-03 10:30	2024-07-03 11:00
Parameter	Unit	G / S	RDL	5979996	5980001	5980006
Acetone	ug/g	28	0.50	<0.50	<0.50	<0.50
Benzene	ug/g	0.17	0.02	<0.02	<0.02	<0.02
Bromodichloromethane	ug/g	1.9	0.05	<0.05	<0.05	<0.05
Bromoform	ug/g	0.26	0.05	<0.05	<0.05	<0.05
Bromomethane	ug/g	0.05	0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	ug/g	0.12	0.05	<0.05	<0.05	<0.05
Chlorobenzene	ug/g	2.7	0.05	<0.05	<0.05	<0.05
Chloroform	ug/g	0.18	0.04	<0.04	<0.04	<0.04
Cis- 1,2-Dichloroethylene	ug/g	2.5	0.02	<0.02	<0.02	<0.02
Dibromochloromethane	ug/g	2.9	0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	ug/g	1.7	0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	ug/g	6	0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	ug/g	0.097	0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	µg/g	25	0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	ug/g	0.6	0.02	<0.02	<0.02	<0.02
1,2-Dichloroethane	ug/g	0.05	0.03	<0.03	<0.03	<0.03
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.05	<0.05	<0.05
1,2-Dichloropropane	ug/g	0.085	0.03	<0.03	<0.03	<0.03
1,3-Dichloropropene (Cis + Trans)	µg/g	0.081	0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	1.6	0.05	<0.05	<0.05	<0.05
Ethylene Dibromide	ug/g	0.05	0.04	<0.04	<0.04	<0.04
Methyl Ethyl Ketone	ug/g	44	0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	ug/g	4.3	0.50	<0.50	<0.50	<0.50
Methyl tert-butyl Ether	ug/g	1.4	0.05	<0.05	<0.05	<0.05
Methylene Chloride	ug/g	0.96	0.05	<0.05	<0.05	<0.05
Moisture Content	%		0.1	14.9	15.3	13.6
Styrene	ug/g	2.2	0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.04	<0.04	<0.04	<0.04
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.05	<0.05	<0.05

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-04

DATE REPORTED: 2024-07-19

				SAMPLE DESCRIPTION:	TP201	TP203	TP205 SS1
				SAMPLE TYPE:	Soil	Soil	Soil
				DATE SAMPLED:	2024-07-03 10:00	2024-07-03 10:30	2024-07-03 11:00
Parameter	**Unit**	**G / S**	**RDL**		**5979996**	**5980001**	**5980006**
Tetrachloroethylene	ug/g	2.3	0.05		<0.05	<0.05	<0.05
Toluene	ug/g	6	0.05		<0.05	<0.05	<0.05
Trans- 1,2-Dichloroethylene	ug/g	0.75	0.05		<0.05	<0.05	<0.05
1,1,2-Trichloroethane	ug/g	0.05	0.04		<0.04	<0.04	<0.04
1,1,1-Trichloroethane	ug/g	3.4	0.05		<0.05	<0.05	<0.05
Trichloroethylene	ug/g	0.52	0.03		<0.03	<0.03	<0.03
Trichlorofluoromethane	ug/g	5.8	0.05		<0.05	<0.05	<0.05
Vinyl Chloride	ug/g	0.022	0.02		<0.02	<0.02	<0.02
Xylenes (Total)	ug/g	25	0.05		<0.05	<0.05	<0.05
m & p-Xylene	ug/g		0.05		<0.05	<0.05	<0.05
n-Hexane	µg/g	34	0.05		<0.05	<0.05	<0.05
o-Xylene	ug/g		0.05		<0.05	<0.05	<0.05
Surrogate	**Unit**	**Acceptable Limits**					
4-Bromofluorobenzene	% Recovery	50-140			98	97	98
Toluene-d8	% Recovery	50-140			80	80	78

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5979996-5980006 The sample was analyzed using the high level technique. The sample was extracted using methanol, a small amount of the methanol extract was diluted in water and the purge & trap GC/MS analysis was performed. Results are based on the dry weight of the soil.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Exceedance Summary

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
5980003	TP204 SS1	ON T2 S RPI MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Soil)	Copper	µg/g	180	195
5980004	TP204 SS2	ON T2 S RPI MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Soil)	Molybdenum	µg/g	6.9	13.1
5980004	TP204 SS2	ON T3 S RPI MFT	O. Reg. 153(511) - PAHs (Soil)	Fluoranthene	µg/g	0.69	1.28
5980006	TP205 SS1	ON T2 S RPI MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Soil)	Copper	µg/g	180	630
5980007	TP205 SS2	ON T2 S RPI MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Soil)	Molybdenum	µg/g	6.9	14.1

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

Soil Analysis

RPT Date: Jul 19, 2024

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Soil)															
Antimony	5979996	5979996	<0.8	<0.8	NA	< 0.8	93%	70%	130%	107%	80%	120%	103%	70%	130%
Arsenic	5979996	5979996	7	8	13.3%	< 1	117%	70%	130%	118%	80%	120%	118%	70%	130%
Barium	5979996	5979996	57.2	58.2	1.7%	< 2.0	121%	70%	130%	107%	80%	120%	128%	70%	130%
Beryllium	5979996	5979996	0.9	0.9	NA	< 0.5	110%	70%	130%	109%	80%	120%	123%	70%	130%
Boron	5979996	5979996	14	15	NA	< 5	88%	70%	130%	92%	80%	120%	93%	70%	130%
Cadmium	5979996	5979996	<0.5	<0.5	NA	< 0.5	116%	70%	130%	109%	80%	120%	116%	70%	130%
Chromium	5979996	5979996	24	25	NA	< 5	114%	70%	130%	113%	80%	120%	NA	70%	130%
Cobalt	5979996	5979996	13.3	13.6	2.2%	< 0.8	101%	70%	130%	109%	80%	120%	104%	70%	130%
Copper	5979996	5979996	38.3	36.9	3.7%	< 1.0	98%	70%	130%	112%	80%	120%	NA	70%	130%
Lead	5979996	5979996	9	9	0.0%	< 1	106%	70%	130%	99%	80%	120%	110%	70%	130%
Molybdenum	5979996	5979996	0.6	0.7	NA	< 0.5	101%	70%	130%	113%	80%	120%	102%	70%	130%
Nickel	5979996	5979996	28	29	3.5%	< 1	107%	70%	130%	111%	80%	120%	104%	70%	130%
Selenium	5979996	5979996	<0.8	<0.8	NA	< 0.8	112%	70%	130%	99%	80%	120%	110%	70%	130%
Silver	5979996	5979996	<0.5	<0.5	NA	< 0.5	105%	70%	130%	110%	80%	120%	109%	70%	130%
Thallium	5979996	5979996	<0.5	<0.5	NA	< 0.5	112%	70%	130%	98%	80%	120%	109%	70%	130%
Uranium	5979996	5979996	0.77	0.82	NA	< 0.50	107%	70%	130%	98%	80%	120%	112%	70%	130%
Vanadium	5979996	5979996	33.4	34.5	3.2%	< 2.0	114%	70%	130%	110%	80%	120%	104%	70%	130%
Zinc	5979996	5979996	69	71	2.9%	< 5	107%	70%	130%	109%	80%	120%	NA	70%	130%

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

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)															
Antimony	6000301		<0.8	<0.8	NA	< 0.8	109%	70%	130%	105%	80%	120%	88%	70%	130%
Arsenic	6000301		3	3	NA	< 1	103%	70%	130%	102%	80%	120%	100%	70%	130%
Barium	6000301		72.1	76.9	6.4%	< 2.0	118%	70%	130%	113%	80%	120%	123%	70%	130%
Beryllium	6000301		<0.5	<0.5	NA	< 0.5	99%	70%	130%	118%	80%	120%	114%	70%	130%
Boron	6000301		7	7	NA	< 5	115%	70%	130%	95%	80%	120%	94%	70%	130%
Cadmium	6000301		<0.5	<0.5	NA	< 0.5	106%	70%	130%	104%	80%	120%	107%	70%	130%
Chromium	6000301		15	16	NA	< 5	102%	70%	130%	108%	80%	120%	109%	70%	130%
Cobalt	6000301		5.6	5.8	4.1%	< 0.8	98%	70%	130%	107%	80%	120%	99%	70%	130%
Copper	6000301		15.7	16.0	2.4%	< 1.0	93%	70%	130%	110%	80%	120%	99%	70%	130%
Lead	6000301		111	110	1.0%	< 1	106%	70%	130%	104%	80%	120%	NA	70%	130%
Molybdenum	6000301		<0.5	<0.5	NA	< 0.5	100%	70%	130%	107%	80%	120%	102%	70%	130%
Nickel	6000301		13	13	4.9%	< 1	101%	70%	130%	107%	80%	120%	100%	70%	130%
Selenium	6000301		<0.8	0.9	NA	< 0.8	125%	70%	130%	100%	80%	120%	102%	70%	130%
Silver	6000301		<0.5	<0.5	NA	< 0.5	122%	70%	130%	107%	80%	120%	106%	70%	130%
Thallium	6000301		<0.5	<0.5	NA	< 0.5	103%	70%	130%	101%	80%	120%	100%	70%	130%
Uranium	6000301		<0.50	<0.50	NA	< 0.50	105%	70%	130%	98%	80%	120%	102%	70%	130%
Vanadium	6000301		23.0	24.2	5.3%	< 2.0	105%	70%	130%	108%	80%	120%	108%	70%	130%

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown, due to rounding of final results.

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

Soil Analysis (Continued)

RPT Date: Jul 19, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Zinc	6000301		43	44	2.1%	< 5	101%	70%	130%	108%	80%	120%	103%	70%	130%

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

Certified By:

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Quality Assurance

CLIENT NAME: EXP SERVICES INC
AGAT WORK ORDER: 24H169980
PROJECT: GTR-23000348-E1
ATTENTION TO: Jennifer Hayman
SAMPLING SITE:S. Service Road, Oakville
SAMPLED BY:CH

Trace Organics Analysis

RPT Date: Jul 19, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)															
F1 (C6 to C10)	5980040		<5	<5	NA	< 5	107%	60%	140%	99%	60%	140%	92%	60%	140%
F2 (C10 to C16)	5978735		< 10	< 10	NA	< 10	128%	60%	140%	92%	60%	140%	103%	60%	140%
F3 (C16 to C34)	5978735		< 50	< 50	NA	< 50	128%	60%	140%	94%	60%	140%	108%	60%	140%
F4 (C34 to C50)	5978735		< 50	< 50	NA	< 50	79%	60%	140%	80%	60%	140%	104%	60%	140%
O. Reg. 153(511) - PAHs (Soil)															
Acenaphthene	5980167		<0.05	<0.05	NA	< 0.05	70%	50%	140%	110%	50%	140%	93%	50%	140%
Acenaphthylene	5980167		<0.05	<0.05	NA	< 0.05	95%	50%	140%	95%	50%	140%	65%	50%	140%
Anthracene	5980167		<0.05	<0.05	NA	< 0.05	79%	50%	140%	70%	50%	140%	95%	50%	140%
Benzo(a)anthracene	5980167		<0.05	<0.05	NA	< 0.05	98%	50%	140%	73%	50%	140%	78%	50%	140%
Benzo(a)pyrene	5980167		<0.05	<0.05	NA	< 0.05	94%	50%	140%	78%	50%	140%	78%	50%	140%
Benzo(b)fluoranthene	5980167		<0.05	<0.05	NA	< 0.05	93%	50%	140%	88%	50%	140%	73%	50%	140%
Benzo(g,h,i)perylene	5980167		<0.05	<0.05	NA	< 0.05	107%	50%	140%	90%	50%	140%	80%	50%	140%
Benzo(k)fluoranthene	5980167		<0.05	<0.05	NA	< 0.05	113%	50%	140%	80%	50%	140%	78%	50%	140%
Chrysene	5980167		<0.05	<0.05	NA	< 0.05	103%	50%	140%	68%	50%	140%	80%	50%	140%
Dibenz(a,h)anthracene	5980167		<0.05	<0.05	NA	< 0.05	114%	50%	140%	98%	50%	140%	68%	50%	140%
Fluoranthene	5980167		<0.05	<0.05	NA	< 0.05	105%	50%	140%	75%	50%	140%	95%	50%	140%
Fluorene	5980167		<0.05	<0.05	NA	< 0.05	76%	50%	140%	75%	50%	140%	75%	50%	140%
Indeno(1,2,3-cd)pyrene	5980167		<0.05	<0.05	NA	< 0.05	107%	50%	140%	103%	50%	140%	73%	50%	140%
Naphthalene	5980167		<0.05	<0.05	NA	< 0.05	87%	50%	140%	85%	50%	140%	75%	50%	140%
Phenanthrene	5980167		<0.05	<0.05	NA	< 0.05	109%	50%	140%	103%	50%	140%	103%	50%	140%
Pyrene	5980167		<0.05	<0.05	NA	< 0.05	77%	50%	140%	88%	50%	140%	70%	50%	140%
O. Reg. 153(511) - VOCs (with PHC) (Soil)															
Acetone	5980040		<0.50	<0.50	NA	< 0.50	88%	50%	140%	97%	50%	140%	94%	50%	140%
Benzene	5980040		<0.02	<0.02	NA	< 0.02	81%	50%	140%	93%	60%	130%	97%	50%	140%
Bromodichloromethane	5980040		<0.05	<0.05	NA	< 0.05	60%	50%	140%	61%	60%	130%	65%	50%	140%
Bromoform	5980040		<0.05	<0.05	NA	< 0.05	87%	50%	140%	91%	60%	130%	74%	50%	140%
Bromomethane	5980040		<0.05	<0.05	NA	< 0.05	77%	50%	140%	111%	50%	140%	115%	50%	140%
Carbon Tetrachloride	5980040		<0.05	<0.05	NA	< 0.05	61%	50%	140%	67%	60%	130%	65%	50%	140%
Chlorobenzene	5980040		<0.05	<0.05	NA	< 0.05	86%	50%	140%	92%	60%	130%	83%	50%	140%
Chloroform	5980040		<0.04	<0.04	NA	< 0.04	84%	50%	140%	103%	60%	130%	108%	50%	140%
Cis- 1,2-Dichloroethylene	5980040		<0.02	<0.02	NA	< 0.02	78%	50%	140%	91%	60%	130%	93%	50%	140%
Dibromochloromethane	5980040		<0.05	<0.05	NA	< 0.05	66%	50%	140%	71%	60%	130%	67%	50%	140%
1,2-Dichlorobenzene	5980040		<0.05	<0.05	NA	< 0.05	80%	50%	140%	77%	60%	130%	73%	50%	140%
1,3-Dichlorobenzene	5980040		<0.05	<0.05	NA	< 0.05	84%	50%	140%	91%	60%	130%	82%	50%	140%
1,4-Dichlorobenzene	5980040		<0.05	<0.05	NA	< 0.05	80%	50%	140%	84%	60%	130%	78%	50%	140%
Dichlorodifluoromethane	5980040		<0.05	<0.05	NA	< 0.05	73%	50%	140%	82%	50%	140%	127%	50%	140%
1,1-Dichloroethane	5980040		<0.02	<0.02	NA	< 0.02	87%	50%	140%	102%	60%	130%	103%	50%	140%
1,2-Dichloroethane	5980040		<0.03	<0.03	NA	< 0.03	85%	50%	140%	102%	60%	130%	95%	50%	140%

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

Trace Organics Analysis (Continued)

RPT Date: Jul 19, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,1-Dichloroethylene	5980040		<0.05	<0.05	NA	< 0.05	102%	50%	140%	101%	60%	130%	106%	50%	140%
1,2-Dichloropropane	5980040		<0.03	<0.03	NA	< 0.03	85%	50%	140%	96%	60%	130%	103%	50%	140%
Ethylbenzene	5980040		<0.05	<0.05	NA	< 0.05	77%	50%	140%	93%	60%	130%	85%	50%	140%
Ethylene Dibromide	5980040		<0.04	<0.04	NA	< 0.04	83%	50%	140%	84%	60%	130%	79%	50%	140%
Methyl Ethyl Ketone	5980040		<0.50	<0.50	NA	< 0.50	110%	50%	140%	112%	50%	140%	110%	50%	140%
Methyl Isobutyl Ketone	5980040		<0.50	<0.50	NA	< 0.50	89%	50%	140%	111%	50%	140%	110%	50%	140%
Methyl tert-butyl Ether	5980040		<0.05	<0.05	NA	< 0.05	103%	50%	140%	93%	60%	130%	89%	50%	140%
Methylene Chloride	5980040		<0.05	<0.05	NA	< 0.05	106%	50%	140%	92%	60%	130%	94%	50%	140%
Styrene	5980040		<0.05	<0.05	NA	< 0.05	70%	50%	140%	73%	60%	130%	67%	50%	140%
1,1,1,2-Tetrachloroethane	5980040		<0.04	<0.04	NA	< 0.04	67%	50%	140%	67%	60%	130%	62%	50%	140%
1,1,2,2-Tetrachloroethane	5980040		<0.05	<0.05	NA	< 0.05	95%	50%	140%	101%	60%	130%	101%	50%	140%
Tetrachloroethylene	5980040		<0.05	<0.05	NA	< 0.05	90%	50%	140%	99%	60%	130%	78%	50%	140%
Toluene	5980040		<0.05	<0.05	NA	< 0.05	82%	50%	140%	103%	60%	130%	93%	50%	140%
Trans- 1,2-Dichloroethylene	5980040		<0.05	<0.05	NA	< 0.05	78%	50%	140%	90%	60%	130%	83%	50%	140%
1,1,2-Trichloroethane	5980040		<0.04	<0.04	NA	< 0.04	95%	50%	140%	104%	60%	130%	97%	50%	140%
1,1,1-Trichloroethane	5980040		<0.05	<0.05	NA	< 0.05	62%	50%	140%	73%	60%	130%	65%	50%	140%
Trichloroethylene	5980040		<0.03	<0.03	NA	< 0.03	69%	50%	140%	66%	60%	130%	72%	50%	140%
Trichlorofluoromethane	5980040		<0.05	<0.05	NA	< 0.05	81%	50%	140%	126%	50%	140%	107%	50%	140%
Vinyl Chloride	5980040		<0.02	<0.02	NA	< 0.02	85%	50%	140%	121%	50%	140%	94%	50%	140%
m & p-Xylene	5980040		<0.05	<0.05	NA	< 0.05	81%	50%	140%	101%	60%	130%	91%	50%	140%
n-Hexane	5980040		<0.05	<0.05	NA	< 0.05	104%	50%	140%	97%	60%	130%	86%	50%	140%
o-Xylene	5980040		<0.05	<0.05	NA	< 0.05	83%	50%	140%	103%	60%	130%	93%	50%	140%
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs) (Soil)															
Benzene	5986873		<0.02	<0.02	NA	< 0.02	86%	60%	140%	78%	60%	140%	91%	60%	140%
Toluene	5986873		<0.05	<0.05	NA	< 0.05	83%	60%	140%	75%	60%	140%	83%	60%	140%
Ethylbenzene	5986873		<0.05	<0.05	NA	< 0.05	81%	60%	140%	73%	60%	140%	100%	60%	140%
m & p-Xylene	5986873		<0.05	<0.05	NA	< 0.05	81%	60%	140%	79%	60%	140%	79%	60%	140%
o-Xylene	5986873		<0.05	<0.05	NA	< 0.05	71%	60%	140%	73%	60%	140%	73%	60%	140%
F1 (C6 to C10)	5986873		<5	<5	NA	< 5	101%	60%	140%	90%	60%	140%	92%	60%	140%
O. Reg. 153(511) - PHCs F1 - F4 (Soil)															
Benzene	5986873		<0.02	<0.02	NA	< 0.02	86%	60%	140%	78%	60%	140%	91%	60%	140%
Toluene	5986873		<0.05	<0.05	NA	< 0.05	83%	60%	140%	75%	60%	140%	83%	60%	140%
Ethylbenzene	5986873		<0.05	<0.05	NA	< 0.05	81%	60%	140%	73%	60%	140%	100%	60%	140%
m & p-Xylene	5986873		<0.05	<0.05	NA	< 0.05	81%	60%	140%	79%	60%	140%	79%	60%	140%
o-Xylene	5986873		<0.05	<0.05	NA	< 0.05	71%	60%	140%	73%	60%	140%	73%	60%	140%
F1 (C6 to C10)	5986873		<5	<5	NA	< 5	101%	60%	140%	90%	60%	140%	92%	60%	140%

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

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H169980

PROJECT: GTR-23000348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Road, Oakville

SAMPLED BY:CH

Trace Organics Analysis (Continued)

RPT Date: Jul 19, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

Certified By:

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SAMPLING SITE:S. Service Road, Oakville

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Antimony	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Arsenic	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Barium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Beryllium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Boron	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Cadmium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Chromium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Cobalt	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Copper	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Lead	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Molybdenum	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Nickel	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Selenium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Silver	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Thallium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Uranium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Vanadium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Zinc	MET 93 -6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Acenaphthene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Acenaphthylene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Acridine-d9	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Anthracene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(a)anthracene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(a)pyrene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(b)fluoranthene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(k)fluoranthene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Chrysene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Dibenz(a,h)anthracene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Fluoranthene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Fluorene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Naphthalene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Naphthalene-d8	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Phenanthrene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Pyrene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Terphenyl-d14	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
2-and 1-methyl Naphthalene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16) minus Naphthalene	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Acetone	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Benzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Bromodichloromethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5002	modified from EPA 5035A & EPA 8260D	(P&T)GC/MS
Bromoform	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Bromomethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Chlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Chloroform	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Cis- 1,2-Dichloroethylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Dibromochloromethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Dichlorodifluoromethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,3-Dichloropropene (Cis + Trans)	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Ethylbenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Methyl tert-butyl Ether	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Methylene Chloride	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Styrene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,2,2-Tetrachloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Toluene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Toluene-d8	VOL-91-5002	modified from EPA 5035A & EPA 8260D	(P&T)GC/MS
Trans- 1,2-Dichloroethylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Trichloroethylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Vinyl Chloride	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
m & p-Xylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
n-Hexane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS

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AGAT Laboratories

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5835 Coopers Avenue
Mississauga, Ontario L4Z 1Y2
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webearth.agatlabs.com

Chain of Custody Record

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

Report Information:

Company: exp Services Inc.
Contact: Jennifer Hayman
Address: 1266 S. Service Rd
Stoney Creek
Phone: 9055256069 Fax:
Reports to be sent to:
1. Email: Jennifer.hayman@exp.com
2. Email: Nicole.mcquaid@exp.com

Project Information:

Project: GTR-230063348-E1
Site Location: S. Service Rd, Oakville
Sampled By: CH
AGAT Quote #: PO: GTR-230063348-E1
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐
Company: exp
Contact:
Address:
Email: AP@exp.com

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 2 (Indicate One)
☐ Ind/Com
☒ Res/Park
☐ Agriculture
Soil Texture (Check One)
☐ Coarse
☒ Fine

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

☐ Regulation 558
☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

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

Report Guideline on Certificate of Analysis ☒ Yes ☐ No

Legal Sample ☐

Sample Matrix Legend

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

Laboratory Use Only

Work Order #: 24H169980
Cooler Quantity: NIA (Coolers)
Arrival Temperatures: 3.9 | 4.0 | 4.2
Depot Temperatures: 3.8 | 3.9 | 4.0
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: Loose Ice

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC Y/N	O. Reg 153: Metals & Inorganics	Metals: ☐ CrVI, ☐ Hg, ☐ HWSB (Soluble)	BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package	pH, Metals, BTEX, F1-F4	EC, SAR	Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	TCLP:	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. TP201	24/7/3	10:00 AM/PM	5	S				X	X	X	X									
2. TP202		10:15 AM/PM	4					X	X		X									
3. TP202-1		10:15 AM/PM	3						X											
4. TP203		10:30 AM/PM	5					X	X	X	X									
5. TP204 SS1		10:45 AM/PM	4					X	X		X									
6. TP204 SS2		10:45 AM/PM	1								X									
7. TP205 SS1		11:00 AM/PM	5					X	X	X	X									
8. TP205 SS2		11:00 AM/PM	1								X									
9.		AM/PM																		
10.		AM/PM																		
11.		AM/PM																		

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Danielle Bamsey	07/04/24	1230pm	DJAC	July 4/24	1230pm
DJAC	July 4/24	3pm		July 4	4:25pm

Page 1 of 1
No: T-154577

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

Document ID: DIV-76-151 1024
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Date Issued: Jan 18, 2024

AGAT Laboratories

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TEL (905)712-5100
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http://www.agatlabs.com

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Jennifer Hayman
PROJECT: GTR-23006348-E1
AGAT WORK ORDER: 24H173665
SOIL ANALYSIS REVIEWED BY: Nivine Basily, Inorganic Team Lead
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
DATE REPORTED: Jul 22, 2024
PAGES (INCLUDING COVER): 8
VERSION*: 1

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

Notes

Disclaimer:

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

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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Certificate of Analysis

AGAT WORK ORDER: 24H173665

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Rd, Oakville, ON

SAMPLED BY:CH

O. Reg. 153(511) - Metals (Including Hydrides) (Soil) - COPPER

DATE RECEIVED: 2024-07-15

DATE REPORTED: 2024-07-22

				SAMPLE DESCRIPTION:	TP204 SS1A	TP204 SS1B	TP204 SS1C
				SAMPLE TYPE:	Soil	Soil	Soil
				DATE SAMPLED:	2024-07-03 10:45	2024-07-03 10:45	2024-07-03 10:45
Parameter	Unit	G / S	RDL		6004973	6004974	6004975
Copper	µg/g	180	1.0		**209**	**217**	**194**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24H173665

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Rd, Oakville, ON

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-15

DATE REPORTED: 2024-07-22

		SAMPLE DESCRIPTION:		TP204 SS2A	TP204 SS2B	TP204 SS2C
		SAMPLE TYPE:		Soil	Soil	Soil
		DATE SAMPLED:		2024-07-03 10:45	2024-07-03 10:45	2024-07-03 10:45
Parameter	**Unit**	**G / S**	**RDL**	**6004976**	**6004977**	**6004978**
Naphthalene	µg/g	0.75	0.05	<0.05	<0.05	<0.05
Acenaphthylene	µg/g	0.17	0.05	<0.05	<0.05	<0.05
Acenaphthene	µg/g	29	0.05	<0.05	<0.05	<0.05
Fluorene	µg/g	69	0.05	<0.05	<0.05	<0.05
Phenanthrene	µg/g	7.8	0.05	0.36	0.14	0.23
Anthracene	µg/g	0.74	0.05	<0.05	<0.05	<0.05
Fluoranthene	µg/g	0.69	0.05	0.52	0.19	0.30
Pyrene	µg/g	78	0.05	0.39	0.15	0.22
Benzo(a)anthracene	µg/g	0.63	0.05	0.14	0.06	0.09
Chrysene	µg/g	7.8	0.05	0.22	0.09	0.13
Benzo(b)fluoranthene	µg/g	0.78	0.05	0.20	0.07	0.10
Benzo(k)fluoranthene	µg/g	0.78	0.05	0.15	0.06	0.08
Benzo(a)pyrene	µg/g	0.3	0.05	0.15	0.06	0.08
Indeno(1,2,3-cd)pyrene	µg/g	0.48	0.05	<0.05	<0.05	<0.05
Dibenz(a,h)anthracene	µg/g	0.1	0.05	<0.05	<0.05	<0.05
Benzo(g,h,i)perylene	µg/g	7.8	0.05	0.07	<0.05	<0.05
2-and 1-methyl Naphthalene	µg/g	3.4	0.05	<0.05	<0.05	<0.05
Moisture Content	%		0.1	14.2	15.4	14.4
Surrogate	**Unit**	**Acceptable Limits**				
Naphthalene-d8	%	50-140		75	75	70
Acridine-d9	%	50-140		90	100	95
Terphenyl-d14	%	50-140		95	100	105

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6004976-6004978 Results are based on the dry weight of the soil.
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

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Exceedance Summary

AGAT WORK ORDER: 24H173665

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
6004973	TP204 SS1A	ON T2 S RPI MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Soil) - COPPER	Copper	µg/g	180	209
6004974	TP204 SS1B	ON T2 S RPI MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Soil) - COPPER	Copper	µg/g	180	217
6004975	TP204 SS1C	ON T2 S RPI MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Soil) - COPPER	Copper	µg/g	180	194

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H173665

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Rd, Oakville, ON

SAMPLED BY:CH

Soil Analysis

RPT Date: Jul 22, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Soil) - COPPER															
Copper	6003126		107	97.2	9.6%	< 1.0	97%	70%	130%	100%	80%	120%	99%	70%	130%

Certified By:

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Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H173665

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Rd, Oakville, ON

SAMPLED BY:CH

Trace Organics Analysis

RPT Date: Jul 22, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PAHs (Soil)															
Naphthalene	6003148		<0.05	<0.05	NA	< 0.05	89%	50%	140%	75%	50%	140%	73%	50%	140%
Acenaphthylene	6003148		<0.05	<0.05	NA	< 0.05	88%	50%	140%	85%	50%	140%	83%	50%	140%
Acenaphthene	6003148		<0.05	<0.05	NA	< 0.05	86%	50%	140%	105%	50%	140%	85%	50%	140%
Fluorene	6003148		<0.05	<0.05	NA	< 0.05	83%	50%	140%	95%	50%	140%	80%	50%	140%
Phenanthrene	6003148		<0.05	<0.05	NA	< 0.05	83%	50%	140%	93%	50%	140%	83%	50%	140%
Anthracene	6003148		<0.05	<0.05	NA	< 0.05	89%	50%	140%	73%	50%	140%	75%	50%	140%
Fluoranthene	6003148		<0.05	<0.05	NA	< 0.05	83%	50%	140%	83%	50%	140%	73%	50%	140%
Pyrene	6003148		<0.05	<0.05	NA	< 0.05	83%	50%	140%	80%	50%	140%	73%	50%	140%
Benzo(a)anthracene	6003148		<0.05	<0.05	NA	< 0.05	95%	50%	140%	110%	50%	140%	95%	50%	140%
Chrysene	6003148		<0.05	<0.05	NA	< 0.05	101%	50%	140%	73%	50%	140%	73%	50%	140%
Benzo(b)fluoranthene	6003148		<0.05	<0.05	NA	< 0.05	92%	50%	140%	73%	50%	140%	75%	50%	140%
Benzo(k)fluoranthene	6003148		<0.05	<0.05	NA	< 0.05	101%	50%	140%	100%	50%	140%	95%	50%	140%
Benzo(a)pyrene	6003148		<0.05	<0.05	NA	< 0.05	82%	50%	140%	73%	50%	140%	73%	50%	140%
Indeno(1,2,3-cd)pyrene	6003148		<0.05	<0.05	NA	< 0.05	82%	50%	140%	108%	50%	140%	98%	50%	140%
Dibenz(a,h)anthracene	6003148		<0.05	<0.05	NA	< 0.05	90%	50%	140%	78%	50%	140%	75%	50%	140%
Benzo(g,h,i)perylene	6003148		<0.05	<0.05	NA	< 0.05	111%	50%	140%	85%	50%	140%	80%	50%	140%

Comments: The soil sample was prepared in the lab using the Methanol extraction technique. The sample was not field preserved with methanol and an Encore was not provided for analysis.

Certified By: N Popowkolof

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Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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

Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H173665

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Rd, Oakville, ON

SAMPLED BY:CH

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Copper	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Trace Organics Analysis			
Naphthalene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Acenaphthylene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Acenaphthene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Fluorene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Phenanthrene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Anthracene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Fluoranthene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Pyrene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(a)anthracene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Chrysene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(b)fluoranthene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(k)fluoranthene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(a)pyrene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Dibenz(a,h)anthracene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
2-and 1-methyl Naphthalene	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Naphthalene-d8	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Acridine-d9	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Terphenyl-d14	ORG-91-5106	modified from EPA 3570 and EPA 8270E	GC/MS
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

Have feedback? Scan here for a quick survey!

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

Chain of Custody Record

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

Laboratory Use Only

Work Order #: 24H173665

Cooler Quantity: MP Cooler

Arrival Temperatures: 2-4 | 2.0 | 2.7

Custody Seal Intact: ☐Yes ☐No ☐N/A

Notes: LEDSR LES

Report Information:

Company: Exp Services Inc

Contact: Jennifer Hayman / Accounts Payable

Address: 1266 South Service Rd
Stoney Creek, ON

Phone: _____ Fax: _____

Reports to be sent to:

1. Email: jennifer.hayman@exp.com
2. Email: nicole.mcquaid@exp.com

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☑ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☑ Fine

☐ Regulation 406 — Table _____ (Indicate One)

☐ Regulation 558

☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm — Region _____

☐ Prov. Water Quality Objectives (PWQO)

☐ Other _____ (Indicate One)

Turnaround Time (TAT) Required:

Regular TAT ☐ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply): _____

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

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

Project Information:

Project: Phase Two ESA

Site Location: South Service Rd, Oakville, ON

Sampled By: CH

AGAT Quote #: _____ PO: GTR-23006348-E1

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

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

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

Invoice Information:

Bill To Same: Yes ☑ No ☐

Company: _____

Contact: _____

Address: _____

Email: AP@exp.com

Sample Matrix Legend

GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: VOC	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: PCBs: Aroclors ☐	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Regulation 406 SPLP Rainwater Leach: SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Regulation 406 Characterization Package: pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: ☐ Moisture ☐ Sulphide	Copper	Potentially Hazardous or High Concentration (Y/N)
1. TP204 SS1A	24/07/03	1045 AM/PM	1	S														✓	
2. TP204 SS1B	↓	↓	↓	↓														✓	
3. TP204 SS1C																		✓	
4. TP204 SS2A											✓								
5. TP204 SS2B											✓								
6. TP204 SS2C	↓	↓	↓	↓							✓								
7.		AM/PM																	
8.		AM/PM																	
9.		AM/PM																	
10.		AM/PM																	
11.		AM/PM																	

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
S. Grant-Hose / SGH	24/07/15	13:57		July 15/24	1:38 PM
	July 15/24	3pm		7/15/24	4:15
	Date	Time		Date	Time

Page 1 of 1

N°: T-145004

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

Document ID: DOC-TR-1511.022

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Date Issued: May 30, 2023

AGAT Laboratories

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

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Jennifer Hayman
PROJECT: GTR23006348-E1
AGAT WORK ORDER: 24H179728
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
DATE REPORTED: Aug 07, 2024
PAGES (INCLUDING COVER): 6
VERSION*: 1

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

Notes

Disclaimer:

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

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Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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Certificate of Analysis

AGAT WORK ORDER: 24H179728

PROJECT: GTR23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Rd, Oakville

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-30

DATE REPORTED: 2024-08-07

		SAMPLE DESCRIPTION:		BH337 SS2	BH337 SS3
		SAMPLE TYPE:		Soil	Soil
		DATE SAMPLED:		2024-07-23	2024-07-23
Parameter	**Unit**	**G / S**	**RDL**	**6040641**	**6040643**
Benzene	µg/g	0.17	0.02	<0.02	<0.02
Toluene	µg/g	6	0.05	<0.05	<0.05
Ethylbenzene	µg/g	1.6	0.05	<0.05	<0.05
m & p-Xylene	µg/g		0.05	<0.05	<0.05
o-Xylene	µg/g		0.05	<0.05	<0.05
Xylenes (Total)	µg/g	25	0.05	<0.05	<0.05
F1 (C6 to C10)	µg/g	65	5	<5	<5
F1 (C6 to C10) minus BTEX	µg/g	65	5	<5	<5
F2 (C10 to C16)	µg/g	150	7	<7	<7
F3 (C16 to C34)	µg/g	1300	50	<50	<50
F4 (C34 to C50)	µg/g	5600	50	<50	<50
Gravimetric Heavy Hydrocarbons	µg/g	5600	50	NA	NA
Moisture Content	%		0.1	16.2	15.2
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	% Recovery	60-140		68.5	83.5
Terphenyl	%	60-140		67	79

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24H179728

PROJECT: GTR23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Rd, Oakville

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-30 **DATE REPORTED: 2024-08-07**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6040641-6040643 Results are based on sample dry weight.
The C6-C10 fraction is calculated using Toluene response factor.
Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX contribution.
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC6 and nC10 response factors are within 30% of Toluene response factor.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.
Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.
Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H179728

PROJECT: GTR23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Rd, Oakville

SAMPLED BY:CH

Trace Organics Analysis

RPT Date: Aug 07, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (Soil)															
Benzene	6039553		<0.02	<0.02	NA	< 0.02	105%	60%	140%	87%	60%	140%	75%	60%	140%
Toluene	6039553		<0.05	<0.05	NA	< 0.05	83%	60%	140%	88%	60%	140%	73%	60%	140%
Ethylbenzene	6039553		<0.05	<0.05	NA	< 0.05	98%	60%	140%	96%	60%	140%	78%	60%	140%
m & p-Xylene	6039553		<0.05	<0.05	NA	< 0.05	94%	60%	140%	87%	60%	140%	77%	60%	140%
o-Xylene	6039553		<0.05	<0.05	NA	< 0.05	100%	60%	140%	89%	60%	140%	78%	60%	140%
F1 (C6 to C10)	6039553		<5	<5	NA	< 5	99%	60%	140%	95%	60%	140%	93%	60%	140%
F2 (C10 to C16)	6040643	6040643	< 7	< 7	NA	< 7	123%	60%	140%	81%	60%	140%	80%	60%	140%
F3 (C16 to C34)	6040643	6040643	< 50	< 50	NA	< 50	111%	60%	140%	98%	60%	140%	98%	60%	140%
F4 (C34 to C50)	6040643	6040643	< 50	< 50	NA	< 50	76%	60%	140%	84%	60%	140%	79%	60%	140%

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

Certified By: N Popowkolof

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Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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http://www.agatlabs.com

Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H179728

PROJECT: GTR23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Rd, Oakville

SAMPLED BY:CH

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

Have feedback? Scan here for a quick survey!

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

Chain of Custody Record

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

Report Information:

Company: exp Services Inc.
Contact: Jennifer Hayman
Address: 1266 S. Service Rd, Oakville
Stoney Creek
Phone: 9055256069 Fax:
Reports to be sent to:
1. Email: Jennifer.hayman@exp.com
2. Email: nicole.mcguard@exp.com

Project Information:

Project: GTA-23006348-E1
Site Location: S. Service Rd, Oakville
Sampled By: CH
AGAT Quote #: PO: GTA-23006348-E1
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐
Company: exp Services
Contact:
Address:
Email: AP@exp.com

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 2 (Indicate One)
☐ Ind/Com
☒ Res/Park
☐ Agriculture
Soil Texture (Check One)
☐ Coarse
☒ Fine

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

☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

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

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

Legal Sample ☐

Sample Matrix Legend

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

Laboratory Use Only

Work Order #: 24H179728
Cooler Quantity: 5m. COOLER
Arrival Temperatures: 2.9 | 3.0 | 3.2
Depot Temperatures: 3.2 | 3.5 | 3.6
Custody Seal Intact: ☐Yes ☐No ☐N/A
Notes: LOOSE ICE

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC Y/N	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Arodors ☐	O. Reg 406: Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4	O. Reg 406: EC, SAR	O. Reg 406: Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ DOC	O. Reg 406: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs TCLP:	O. Reg 558	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. BH337 SS2	24/7/23	2:00 AM/PM	2	S					X										
2. BH337 SS3	↓	↓ AM/PM	↓	↓					X										
3.		AM/PM																	
4.		AM/PM																	
5.		AM/PM																	
6.		AM/PM																	
7.		AM/PM																	
8.		AM/PM																	
9.		AM/PM																	
10.		AM/PM																	
11.		AM/PM																	

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Charlie Hill Charlie Hill	24/7/30	12:30	DTAC	July 30/24	12:30pm
DTAC	July 30/24	3pm		July 30	4:10

Page 1 of 1

N°: T-156833

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Your Project #: GTR-23006348-E1
Site Location: SOUTH SERVICE RD E.
Your C.O.C. #: N/A

Attention: Jennifer Hayman

exp Services Inc
Stoney Creek Branch
1266 South Service Rd
Suite C1-1
Stoney Creek, ON
CANADA L8E 5R9

Report Date: 2024/08/13
Report #: R8275266
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4N8124
Received: 2024/08/02, 14:15

Sample Matrix: Soil
Samples Received: 10

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methyl Mercury in Soil - Dry Wt Calc (1)	10	2024/08/02	2024/08/13	BBY WI-00033	Auto Calc
Methyl Mercury in Sediment/Soil - Wet Wt (1)	10	2024/08/09	2024/08/12	BBY7SOP-00030	EPA 1630 m
Moisture (Subcontracted) (1, 2)	10	2024/08/09	2024/08/10	BBY8SOP-00017	BCMOE BCLM Dec2000 m

Remarks:

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
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Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
(2) Offsite analysis requires that subcontracted moisture be reported.

Your Project #: GTR-23006348-E1
Site Location: SOUTH SERVICE RD E.
Your C.O.C. #: N/A

Attention: Jennifer Hayman

exp Services Inc
Stoney Creek Branch
1266 South Service Rd
Suite C1-1
Stoney Creek, ON
CANADA L8E 5R9

Report Date: 2024/08/13
Report #: R8275266
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4N8124
Received: 2024/08/02, 14:15

Encryption Key

AUTHORIZED REPORT
RAPPORT AUTORISÉ

Bureau Veritas
13 Aug 2024 19:48:28

Please direct all questions regarding this Certificate of Analysis to:
Patricia Legette, Project Manager
Email: Patricia.Legette@bureauveritas.com
Phone# (905)817-5799

==========

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4N8124
Report Date: 2024/08/13

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: SOUTH SERVICE RD E.
Sampler Initials: NMQ

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID			ZXD555		ZXD557		ZXD559		ZXD561		
Sampling Date			2024/08/02 10:05		2024/08/02 10:40		2024/08/02 10:55		2024/08/02 11:10		
COC Number			N/A		N/A		N/A		N/A		
	UNITS	**Criteria**	**BH108A SS1**	**RDL**	**BH114N SS1**	**RDL**	**BH114E SS1**	**RDL**	**BH114S SS1**	**RDL**	**QC Batch**
Calculated Parameters											
Total (Dry Wt) Methyl Mercury	ng/g	9.4	0.082	0.059	7.1	0.060	1.5	0.056	<0.057	0.057	9574384
Physical Testing											
Moisture-Subcontracted	%	-	15	0.30	16	0.30	11	0.30	12	0.30	9574386

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas ID			ZXD563		ZXD564		ZXD566		ZXD567		
Sampling Date			2024/08/02 09:45		2024/08/02 09:50		2024/08/02 10:30		2024/08/02 10:35		
COC Number			N/A		N/A		N/A		N/A		
	UNITS	**Criteria**	**BH142A SS1**	**RDL**	**BH142A SS2**	**RDL**	**BH330 SS1**	**RDL**	**BH330 SS2**	**RDL**	**QC Batch**
Calculated Parameters											
Total (Dry Wt) Methyl Mercury	ng/g	9.4	<0.052	0.052	<0.060	0.060	<0.056	0.056	0.099	0.055	9574384
Physical Testing											
Moisture-Subcontracted	%	-	4.1	0.30	17	0.30	11	0.30	9.4	0.30	9574386

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4N8124
Report Date: 2024/08/13

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: SOUTH SERVICE RD E.
Sampler Initials: NMQ

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID			ZXD568	ZXD569		
Sampling Date			2024/08/02 09:25	2024/08/02 09:30		
COC Number			N/A	N/A		
	UNITS	**Criteria**	**BH331 SS1**	**BH331 SS2**	**RDL**	**QC Batch**
Calculated Parameters						
Total (Dry Wt) Methyl Mercury	ng/g	9.4	1.7	0.30	0.058	9574384
Physical Testing						
Moisture-Subcontracted	%	-	14	14	0.30	9574386

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4N8124
Report Date: 2024/08/13

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: SOUTH SERVICE RD E.
Sampler Initials: NMQ

MERCURY BY COLD VAPOUR AA (SOIL)

Bureau Veritas ID			ZXD555	ZXD557	ZXD557	ZXD559	ZXD561	ZXD563		
Sampling Date			2024/08/02 10:05	2024/08/02 10:40	2024/08/02 10:40	2024/08/02 10:55	2024/08/02 11:10	2024/08/02 09:45		
COC Number			N/A	N/A	N/A	N/A	N/A	N/A		
	UNITS	**Criteria**	**BH108A SS1**	**BH114N SS1**	**BH114N SS1 Lab-Dup**	**BH114E SS1**	**BH114S SS1**	**BH142A SS1**	**RDL**	**QC Batch**
Metals										
Total (Wet Wt) Methyl Mercury	ng/g	9.4	0.069	5.9	5.6	1.3	<0.050	<0.050	0.050	9574385

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas ID			ZXD564	ZXD566	ZXD567	ZXD568	ZXD569		
Sampling Date			2024/08/02 09:50	2024/08/02 10:30	2024/08/02 10:35	2024/08/02 09:25	2024/08/02 09:30		
COC Number			N/A	N/A	N/A	N/A	N/A		
	UNITS	**Criteria**	**BH142A SS2**	**BH330 SS1**	**BH330 SS2**	**BH331 SS1**	**BH331 SS2**	**RDL**	**QC Batch**
Metals									
Total (Wet Wt) Methyl Mercury	ng/g	9.4	<0.050	<0.050	0.089	1.5	0.26	0.050	9574385

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4N8124
Report Date: 2024/08/13

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: SOUTH SERVICE RD E.
Sampler Initials: NMQ

TEST SUMMARY

Bureau Veritas ID: ZXD555
Sample ID: BH108A SS1
Matrix: Soil
Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury in Soil - Dry Wt Calc	CALC	9574384	2024/08/13	2024/08/13	Automated Statchk
Methyl Mercury in Sediment/Soil - Wet Wt	CV	9574385	2024/08/12	2024/08/12	Louella Rose Tan
Moisture (Subcontracted)	BAL	9574386	2024/08/09	2024/08/10	Elisa Resquier

Bureau Veritas ID: ZXD557
Sample ID: BH114N SS1
Matrix: Soil
Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury in Soil - Dry Wt Calc	CALC	9574384	2024/08/13	2024/08/13	Automated Statchk
Methyl Mercury in Sediment/Soil - Wet Wt	CV	9574385	2024/08/12	2024/08/12	Louella Rose Tan
Moisture (Subcontracted)	BAL	9574386	2024/08/09	2024/08/10	Elisa Resquier

Bureau Veritas ID: ZXD557 Dup
Sample ID: BH114N SS1
Matrix: Soil
Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury in Sediment/Soil - Wet Wt	CV	9574385	2024/08/12	2024/08/12	Louella Rose Tan

Bureau Veritas ID: ZXD559
Sample ID: BH114E SS1
Matrix: Soil
Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury in Soil - Dry Wt Calc	CALC	9574384	2024/08/13	2024/08/13	Automated Statchk
Methyl Mercury in Sediment/Soil - Wet Wt	CV	9574385	2024/08/12	2024/08/12	Louella Rose Tan
Moisture (Subcontracted)	BAL	9574386	2024/08/09	2024/08/10	Elisa Resquier

Bureau Veritas ID: ZXD561
Sample ID: BH114S SS1
Matrix: Soil
Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury in Soil - Dry Wt Calc	CALC	9574384	2024/08/13	2024/08/13	Automated Statchk
Methyl Mercury in Sediment/Soil - Wet Wt	CV	9574385	2024/08/12	2024/08/12	Louella Rose Tan
Moisture (Subcontracted)	BAL	9574386	2024/08/09	2024/08/10	Elisa Resquier

Bureau Veritas ID: ZXD563
Sample ID: BH142A SS1
Matrix: Soil
Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury in Soil - Dry Wt Calc	CALC	9574384	2024/08/13	2024/08/13	Automated Statchk
Methyl Mercury in Sediment/Soil - Wet Wt	CV	9574385	2024/08/12	2024/08/12	Louella Rose Tan

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4N8124
Report Date: 2024/08/13

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: SOUTH SERVICE RD E.
Sampler Initials: NMQ

TEST SUMMARY

Bureau Veritas ID: ZXD563
Sample ID: BH142A SS1
Matrix: Soil

Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture (Subcontracted)	BAL	9574386	2024/08/09	2024/08/10	Elisa Resquier

Bureau Veritas ID: ZXD564
Sample ID: BH142A SS2
Matrix: Soil

Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury in Soil - Dry Wt Calc	CALC	9574384	2024/08/13	2024/08/13	Automated Statchk
Methyl Mercury in Sediment/Soil - Wet Wt	CV	9574385	2024/08/12	2024/08/12	Louella Rose Tan
Moisture (Subcontracted)	BAL	9574386	2024/08/09	2024/08/10	Elisa Resquier

Bureau Veritas ID: ZXD566
Sample ID: BH330 SS1
Matrix: Soil

Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury in Soil - Dry Wt Calc	CALC	9574384	2024/08/13	2024/08/13	Automated Statchk
Methyl Mercury in Sediment/Soil - Wet Wt	CV	9574385	2024/08/12	2024/08/12	Louella Rose Tan
Moisture (Subcontracted)	BAL	9574386	2024/08/09	2024/08/10	Elisa Resquier

Bureau Veritas ID: ZXD567
Sample ID: BH330 SS2
Matrix: Soil

Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury in Soil - Dry Wt Calc	CALC	9574384	2024/08/13	2024/08/13	Automated Statchk
Methyl Mercury in Sediment/Soil - Wet Wt	CV	9574385	2024/08/12	2024/08/12	Louella Rose Tan
Moisture (Subcontracted)	BAL	9574386	2024/08/09	2024/08/10	Elisa Resquier

Bureau Veritas ID: ZXD568
Sample ID: BH331 SS1
Matrix: Soil

Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury in Soil - Dry Wt Calc	CALC	9574384	2024/08/13	2024/08/13	Automated Statchk
Methyl Mercury in Sediment/Soil - Wet Wt	CV	9574385	2024/08/12	2024/08/12	Louella Rose Tan
Moisture (Subcontracted)	BAL	9574386	2024/08/09	2024/08/10	Elisa Resquier

Bureau Veritas ID: ZXD569
Sample ID: BH331 SS2
Matrix: Soil

Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury in Soil - Dry Wt Calc	CALC	9574384	2024/08/13	2024/08/13	Automated Statchk
Methyl Mercury in Sediment/Soil - Wet Wt	CV	9574385	2024/08/12	2024/08/12	Louella Rose Tan

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4N8124
Report Date: 2024/08/13

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: SOUTH SERVICE RD E.
Sampler Initials: NMQ

TEST SUMMARY

Bureau Veritas ID: ZXD569
Sample ID: BH331 SS2
Matrix: Soil

Collected: 2024/08/02
Shipped:
Received: 2024/08/02

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture (Subcontracted)	BAL	9574386	2024/08/09	2024/08/10	Elisa Resquier

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

GENERAL COMMENTS

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

Package 1	15.0°C

Results relate only to the items tested.

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4N8124
Report Date: 2024/08/13

QUALITY ASSURANCE REPORT

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: SOUTH SERVICE RD E.
Sampler Initials: NMQ

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9574385	Total (Wet Wt) Methyl Mercury	2024/08/12	NC	80 - 120	101	80 - 120	<0.050	ng/g	4.7	30	94	N/A
9574386	Moisture-Subcontracted	2024/08/10					<0.30	%				

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

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

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

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

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

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

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4N8124
Report Date: 2024/08/13

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: SOUTH SERVICE RD E.
Sampler Initials: NMQ

VALIDATION SIGNATURE PAGE

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

David Huang, BBY Scientific Specialist

Bureau Veritas Proprietary Software
Logiciel Propriétaire de Bureau Veritas

Automated Statchk

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

C4N8124
2024/08/02 14:15

www.BVNA.com

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

CHAIN OF CUSTODY RECORD

ENV COC - 00014v5

NONT-2024-08-467

Invoice Information		Report Information (if differs from invoice)		Project Information	
Company:	EXP Services Inc.	Company:		Quotation #:	Stream 3
Contact Name:	Accounts Payable	Contact Name:	Jennifer Hayman; Nicole M'Quad	P.O. #/ AFE#:	
Street Address:	1266 South Service Rd	Street Address:		Project #:	GTR-230063 48-E1
City:	Stoney Creek Prov: ON Postal Code:	City:	Prov: Postal Code:	Site #:	
Phone:		Phone:		Site Location:	South Service Rd E.
Email:	AP@exp.com	Email:	Jennifer.hayman@exp.com nicole.mquad@exp.com	Site Location Province:	ON
Copies:		Copies:		Sampled By:	N. MC.

Regulatory Criteria

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

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

Include Criteria on Certificate of Analysis (check if yes): [X]

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

Regular Turnaround Time (TAT): [X] 5 to 7 Day [ ] 10 Day

Rush Turnaround Time (TAT) Surcharges apply: [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] 4 Day

Date Required: YYYY MM DD

	Sample Identification (Please print or Type)	Date Sampled YYYY	MM	DD	Time (24hr) HH	MM	Matrix	FIELD FILTERED	FIELD PRESERVED	LAB FILTRATION REQUIRED	BTEX/ F1	F2 - F4	VOCs	Reg 153 metals and inorganics	Reg 153 ICPMS metals	Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	methyl Mercury	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE	Comments
1	BH108A SS1	24	8	2	10	05	S									X				
2	BH108A SS2				10	10													X	
3	BH114N SS1				10	40										X				
4	BH114N SS2				10	45													X	
5	BH114E SS1				10	55										X				
6	BH114E SS2				11	00													X	
7	BH114S SS1				11	10										X				
8	BH114S SS2				11	15													X	
9	BH142A SS1				9	45										X				
10	BH142A SS2				9	50										X				
11	BH142A SS3				10	00													X	
12	BH330 SS1				10	30										X				

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

LAB USE ONLY	Yes	No	°C	Temperature reading by:
Seal present	✓		1: 17	
Seal intact	✓		2: 13	
Cooling media present			3: 15	

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

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

	Relinquished by: (Signature/ Print)	Date YYYY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YYYY	MM	DD	Time HH	MM	Special instructions
1	Nicole M'Quad	24	8	2	2	15	1	VM	08	02	14	15	
2							2						

C4N8124
2024/08/02 14:15

www.BVNA.com

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

CHAIN OF CUSTODY RECORD

ENV COC - 00014v5

Invoice Information	Invoice to (requires report) ☐	Report Information (if differs from invoice)		Project Information		LAB USE ONLY - PLACE STICKER HERE
Company :		Company:		Quotation #:		
Contact Name:	SAA Pg 2	Contact Name:	SAA	P.O. #/ AFE#:	SAA	
Street Address:		Street Address:	Pg 1	Project #:		
City:	Prov: Postal Code:	City:	Prov: Postal Code:	Site #:	Pg 1	
Phone:		Phone:		Site Location:		Rush Confirmation #:
Email:		Email:		Site Location Province:		
Copies:		Copies:		Sampled By:		

Regulatory Criteria

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

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

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

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

	Sample Identification (Please print or Type)	Date Sampled YYYY	MM	DD	Time (24hr) HH	MM	Matrix	1 FIELD FILTERED	2 FIELD PRESERVED	3 LAB FILTRATION REQUIRED	4 BTEX/ F1	5 F2 - F4	6 VOCs	7 Reg 153 metals and inorganics	8 Reg 153 ICPMS metals	9 Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	10 Methyl Mercury	11	12	13	14	15	16	17	18	19	20	21 # OF CONTAINERS SUBMITTED	22 HOLD - DO NOT ANALYZE
1	BH330 SS2	24	8	2	10	55	S										X												
2	BH331 SS1	↓	↓	↓	9	25											X												
3	BH331 SS2	↓	↓	↓	9	30	↓										X												
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Regular Turnaround Time (TAT)

☒ 5 to 7 Day ☐ 10 Day

Rush Turnaround Time (TAT) Surcharges apply

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

Date Required: YYYY MM DD

Comments

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

LAB USE ONLY	Yes	No	°C				Temperature reading by:
Seal present	✓						
Seal intact	✓						
Cooling media present	✓		1	2	3		
			17	13	15		

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

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

	Relinquished by: (Signature/ Print)	Date YYYY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YYYY	MM	DD	Time HH	MM	Special instructions
1	Nicole McQuaid	24	8	2	2	15	1	2024	08	02	14	15	
2							2						

Bureau Veritas Job #: C4N8124
Report Date: 2024/08/13

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: SOUTH SERVICE RD E.
Sampler Initials: NMQ

Exceedance Summary Table – Reg153/04 T3-Soil/Res-F/M

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

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

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

AGAT Laboratories

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

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Jennifer Hayman
PROJECT: GTR-23006348-E1
AGAT WORK ORDER: 24H184758
SOIL ANALYSIS REVIEWED BY: Nivine Basily, Inorganic Team Lead
DATE REPORTED: Aug 20, 2024
PAGES (INCLUDING COVER): 7
VERSION*: 1

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

Notes

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.*
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- *All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.*
- *This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.*
- *For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.*

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Certificate of Analysis

AGAT WORK ORDER: 24H184758

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E. Oakville

SAMPLED BY:N.Mc

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

DATE RECEIVED: 2024-08-13 **DATE REPORTED: 2024-08-20**

Parameter	Unit	G / S	RDL	SAMPLE DESCRIPTION: MW104A SS1A SAMPLE TYPE: Soil DATE SAMPLED: 2024-08-09 6073629	MW104A SS1B Soil 2024-08-09 6073631	MW104A SS1C Soil 2024-08-09 6073632	MW104A SS2A Soil 2024-08-09 6073633	MW104A SS2B Soil 2024-08-09 6073634	MW104A SS2C Soil 2024-08-09 6073635	BH117A SS1A Soil 2024-08-12 6073636	BH117A SS1B Soil 2024-08-12 6073638
pH, 2:1 CaCl2 Extraction	pH Units	5.0-9.0	NA	6.56	6.59	6.62	6.63	6.68	6.69	**11.2**	**11.2**

Parameter	Unit	G / S	RDL	SAMPLE DESCRIPTION: BH117A SS1C SAMPLE TYPE: Soil DATE SAMPLED: 2024-08-12 6073639	BH120A SS1A Soil 2024-08-09 6073640	BH120A SS1B Soil 2024-08-09 6073641	BH120A SS1C Soil 2024-08-09 6073642	BH120A SS1D Soil 2024-08-09 6073643	MW203A SS1A Soil 2024-08-09 6073644	MW203A SS1B Soil 2024-08-09 6073645	MW203A SS1C Soil 2024-08-09 6073646
pH, 2:1 CaCl2 Extraction	pH Units	5.0-9.0	NA	**11.3**	8.51	8.10	7.88	7.70	7.60	7.46	7.34

Parameter	Unit	G / S	RDL	SAMPLE DESCRIPTION: MW204A SS1A SAMPLE TYPE: Soil DATE SAMPLED: 2024-08-09 6073647	MW204A SS1B Soil 2024-08-09 6073648	MW204A SS1C Soil 2024-08-09 6073649	MW2044A SS1A Soil 2024-08-09 6073650	MW2044A SS1B Soil 2024-08-09 6073651	MW2044A SS1C Soil 2024-08-09 6073652	BH212A SS1A Soil 2024-08-09 6073653	BH212A SS1B Soil 2024-08-09 6073654
pH, 2:1 CaCl2 Extraction	pH Units	5.0-9.0	NA	7.25	7.17	7.13	6.92	6.82	6.79	6.79	6.82

Parameter	Unit	G / S	RDL	SAMPLE DESCRIPTION: BH212A SS1C SAMPLE TYPE: Soil DATE SAMPLED: 2024-08-09 6073655	BH212A SS1D Soil 2024-08-09 6073656	BH214A SS1A Soil 2024-08-09 6073657	BH214A SS1B Soil 2024-08-09 6073658	BH214A SS1C Soil 2024-08-09 6073659	BH214A SS1D Soil 2024-08-09 6073660	BH222A SS1A Soil 2024-08-09 6073661	BH222A SS1B Soil 2024-08-09 6073662
pH, 2:1 CaCl2 Extraction	pH Units	5.0-9.0	NA	6.76	6.76	6.75	6.74	6.73	6.72	6.74	6.74

Parameter	Unit	G / S	RDL	SAMPLE DESCRIPTION: BH222A SS1C SAMPLE TYPE: Soil DATE SAMPLED: 2024-08-09 6073663
pH, 2:1 CaCl2 Extraction	pH Units	5.0-9.0	NA	6.76

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 24H184758

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E. Oakville

SAMPLED BY:N.Mc

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

DATE RECEIVED: 2024-08-13 **DATE REPORTED: 2024-08-20**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6073629-6073635 pH was determined on the 0.01M CaCl2 extract obtained from 2:1 leaching procedure (2 parts extraction fluid:1 part wet soil).

6073636-6073639 pH was determined on the 0.01M CaCl2 extract obtained from 2:1 leaching procedure (2 parts extraction fluid:1 part wet soil).

pH data reported was confirmed by re-analysis.

6073640-6073663 pH was determined on the 0.01M CaCl2 extract obtained from 2:1 leaching procedure (2 parts extraction fluid:1 part wet soil).

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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Exceedance Summary

AGAT WORK ORDER: 24H184758

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
6073636	BH117A SS1A	ON T2 S RPI MFT	O. Reg. 153(511) - ORPs (Soil)	pH, 2:1 CaCl2 Extraction	pH Units	5.0-9.0	11.2
6073638	BH117A SS1B	ON T2 S RPI MFT	O. Reg. 153(511) - ORPs (Soil)	pH, 2:1 CaCl2 Extraction	pH Units	5.0-9.0	11.2
6073639	BH117A SS1C	ON T2 S RPI MFT	O. Reg. 153(511) - ORPs (Soil)	pH, 2:1 CaCl2 Extraction	pH Units	5.0-9.0	11.3

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184758

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E. Oakville

SAMPLED BY:N.Mc

Soil Analysis

RPT Date: Aug 20, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - ORPs (Soil)															
pH, 2:1 CaCl2 Extraction	6076454		6.37	6.52	2.3%	NA	99%	80%	120%						

Comments: NA signifies Not Applicable.
pH duplicates QA acceptance criteria was met relative as stated in Table 5-15 of Analytical Protocol document.

O. Reg. 153(511) - ORPs (Soil)															
pH, 2:1 CaCl2 Extraction	6073650	6073650	6.92	6.86	1.0%	NA	99%	80%	120%						

Comments: NA signifies Not Applicable.
pH duplicates QA acceptance criteria was met relative as stated in Table 5-15 of Analytical Protocol document.

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Results relate only to the items tested. Results apply to samples as received.

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184758

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E. Oakville

SAMPLED BY:N.Mc

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
pH, 2:1 CaCl2 Extraction	INOR-93-6075	modified from EPA 9045D, MCKEAGUE 3.11 E3137	PC TITRATE

Results relate only to the items tested. Results apply to samples as received.

24H184758

AGAT Laboratories

Have feedback? Scan here for a quick survey!

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webearth.agatlabs.com

Chain of Custody Record

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

Laboratory Use Only

Work Order #: ~~24H185929~~ 24H184758

Cooler Quantity: 1 Cooler

Arrival Temperatures: 2.1 | 4 | 4.6

~~Depot~~ Temperatures: 2.9 | 2.4 | 2.6

Custody Seal Intact: ☐ Yes ☐ No ☑ N/A

Notes: ~~Bagged~~ Ice

Report Information:

Company: EXP Services Inc
Contact: Jennifer Hayman
Address: 1266 South Service Rd Stoney Creek
Phone: Fax:
Reports to be sent to:
1. Email: jennifer.hayman@exp.com
2. Email: nicole.macneil@exp.com

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☑ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☑ Fine

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

☐ Regulation 558

☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm — Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other — Indicate One

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

Report Guideline on Certificate of Analysis ☑ Yes ☐ No

Turnaround Time (TAT) Required:

Regular TAT ☑ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Project Information:

Project: GTR-230062348-E1
Site Location: S. Service Rd E, Oakville
Sampled By: NMc
AGAT Quote #: Standing PO: GTR-230062348-131

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

☐ **Legal Sample**

Invoice Information:

Bill To Same: Yes ☐ No ☑

Company: EXP Services Inc
Contact:
Address: AP@exp.com
Email:

Sample Matrix Legend

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments / Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: VOC	O. Reg 153: PAHs	O. Reg 153: PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4	O. Reg 406: EC, SAR	O. Reg 406: Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ DOC	O. Reg 558: Landfill Disposal Characterization TCLP: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	Corrosivity: ☐ Moisture ☐ Sulphide	pH							Potentially Hazardous or High Concentration (Y/N)
1. MW104A SS1A	24/8/19	AM/PM	1	S	Add to work order 24H184758 missing jars													X							
2. MW104A SS1B	↓	AM/PM	1	↓														X							
3. MW104A SS2A	↓	AM/PM	1	↓														X							
4.		AM/PM																							
5.		AM/PM																							
6.		AM/PM																							
7.		AM/PM																							
8.		AM/PM																							
9.		AM/PM																							
10.		AM/PM																							
11.		AM/PM																							

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Danielle Baptiste	24/8/14	2:15pm	Stephanie Hayman	08.14.24	2:25pm
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date Aug 14	Time 3:52
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

Page 1 of 1

Nº: T-159914

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

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CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Jennifer Hayman
PROJECT: GTR-23006348-E1
AGAT WORK ORDER: 24H184764
TRACE ORGANICS REVIEWED BY: Oksana Gushyla, Trace Organics Lab Supervisor
DATE REPORTED: Aug 19, 2024
PAGES (INCLUDING COVER): 7
VERSION*: 1

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

Notes

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Certificate of Analysis

AGAT WORK ORDER: 24H184764

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Rd E, Oakville

SAMPLED BY:N.Mc

O. Reg. 153(511) - OC Pesticides (Soil)

DATE RECEIVED: 2024-08-13

DATE REPORTED: 2024-08-19

		SAMPLE DESCRIPTION:		BH133A SS1	MW301 SS1	BH340 SS2	BH403 SS2
		SAMPLE TYPE:		Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-08-12	2024-08-08	2024-08-12	2024-08-01
Parameter	**Unit**	**G / S**	**RDL**	**6073875**	**6073877**	**6073878**	**6073879**
Hexachloroethane	µg/g	0.07	0.005	<0.005	<0.005	<0.005	<0.005
Gamma-Hexachlorocyclohexane	µg/g	0.063	0.005	<0.005	<0.005	<0.005	<0.005
Heptachlor	µg/g	0.15	0.005	<0.005	<0.005	<0.005	<0.005
Aldrin	µg/g	0.05	0.005	<0.005	<0.005	<0.005	<0.005
Heptachlor Epoxide	µg/g	0.05	0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan I	µg/g		0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan II	µg/g		0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan	µg/g	0.04	0.005	<0.005	<0.005	<0.005	<0.005
Alpha-Chlordane	µg/g		0.005	<0.005	<0.005	<0.005	<0.005
gamma-Chlordane	µg/g		0.005	<0.005	<0.005	<0.005	<0.005
Chlordane	µg/g	0.05	0.007	<0.007	<0.007	<0.007	<0.007
op'-DDE	ug/g		0.005	<0.005	<0.005	<0.005	<0.005
pp'-DDE	µg/g		0.005	<0.005	<0.005	<0.005	<0.005
DDE	µg/g	0.33	0.007	<0.007	<0.007	<0.007	<0.007
op'-DDD	µg/g		0.005	<0.005	<0.005	<0.005	<0.005
pp'-DDD	µg/g		0.005	<0.005	<0.005	<0.005	<0.005
DDD	µg/g	3.3	0.007	<0.007	<0.007	<0.007	<0.007
op'-DDT	µg/g		0.005	<0.005	<0.005	<0.005	<0.005
pp'-DDT	µg/g		0.005	<0.005	<0.005	<0.005	<0.005
DDT (Total)	µg/g	1.4	0.007	<0.007	<0.007	<0.007	<0.007
Dieldrin	µg/g	0.05	0.005	<0.005	<0.005	<0.005	<0.005
Endrin	µg/g	0.04	0.005	<0.005	<0.005	<0.005	<0.005
Methoxychlor	µg/g	0.13	0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorobenzene	µg/g	0.52	0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorobutadiene	µg/g	0.014	0.01	<0.01	<0.01	<0.01	<0.01
Moisture Content	%		0.1	20.6	21.4	14.8	12.7
wet weight OC	g		0.005	10.6	10.8	10.4	11.0
Surrogate	**Unit**	**Acceptable Limits**					
TCMX	%	50-140		94	117	100	88
Decachlorobiphenyl	%	50-140		109	120	113	109

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24H184764

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Rd E, Oakville

SAMPLED BY:N.Mc

O. Reg. 153(511) - OC Pesticides (Soil)

DATE RECEIVED: 2024-08-13 **DATE REPORTED: 2024-08-19**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6073875-6073879 Results are based on the dry weight of the soil.
DDT total is a calculated parameter. The calculated value is the sum of op'DDT and pp'DDT.
DDD total is a calculated parameter. The calculated value is the sum of op'DDD and pp'DDD.
DDE total is a calculated parameter. The calculated value is the sum of op'DDE and pp'DDE.
Endosulfan total is a calculated parameter. The calculated value is the sum of Endosulfan I and Endosulfan II.
Chlordane total is a calculated parameter. The calculated value is the sum of Alpha-Chlordane and Gamma-Chlordane.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184764

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Rd E, Oakville

SAMPLED BY:N.Mc

Trace Organics Analysis

RPT Date: Aug 19, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - OC Pesticides (Soil)															
Hexachloroethane	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	89%	50%	140%	87%	50%	140%	84%	50%	140%
Gamma-Hexachlorocyclohexane	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	86%	50%	140%	90%	50%	140%	88%	50%	140%
Heptachlor	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	87%	50%	140%	89%	50%	140%	82%	50%	140%
Aldrin	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	91%	50%	140%	90%	50%	140%	102%	50%	140%
Heptachlor Epoxide	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	84%	50%	140%	82%	50%	140%	86%	50%	140%
Endosulfan I	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	87%	50%	140%	101%	50%	140%	103%	50%	140%
Endosulfan II	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	105%	50%	140%	109%	50%	140%	93%	50%	140%
Alpha-Chlordane	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	87%	50%	140%	84%	50%	140%	82%	50%	140%
gamma-Chlordane	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	87%	50%	140%	87%	50%	140%	95%	50%	140%
op'-DDE	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	107%	50%	140%	86%	50%	140%	84%	50%	140%
pp'-DDE	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	86%	50%	140%	89%	50%	140%	82%	50%	140%
op'-DDD	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	101%	50%	140%	84%	50%	140%	80%	50%	140%
pp'-DDD	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	86%	50%	140%	92%	50%	140%	90%	50%	140%
op'-DDT	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	89%	50%	140%	82%	50%	140%	86%	50%	140%
pp'-DDT	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	88%	50%	140%	80%	50%	140%	79%	50%	140%
Dieldrin	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	94%	50%	140%	101%	50%	140%	85%	50%	140%
Endrin	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	86%	50%	140%	100%	50%	140%	93%	50%	140%
Methoxychlor	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	79%	50%	140%	88%	50%	140%	86%	50%	140%
Hexachlorobenzene	6073879	6073879	< 0.005	< 0.005	NA	< 0.005	105%	50%	140%	98%	50%	140%	92%	50%	140%
Hexachlorobutadiene	6073879	6073879	< 0.01	< 0.01	NA	< 0.01	87%	50%	140%	93%	50%	140%	84%	50%	140%

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

Certified By:

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AGAT Laboratories

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184764

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Rd E, Oakville

SAMPLED BY:N.Mc

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Hexachloroethane	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Gamma-Hexachlorocyclohexane	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Heptachlor	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Aldrin	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Heptachlor Epoxide	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Endosulfan I	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Endosulfan II	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Endosulfan	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	CALCULATION
Alpha-Chlordane	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
gamma-Chlordane	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Chlordane	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	CALCULATION
op'-DDE	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
pp'-DDE	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
DDE	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
op'-DDD	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
pp'-DDD	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
DDD	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	CALCULATION
op'-DDT	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
pp'-DDT	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
DDT (Total)	ORG-91-5113	modified from EPA 3570, 3620C & 8081B	CALCULATION
Dieldrin	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Endrin	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Methoxychlor	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Hexachlorobenzene	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Hexachlorobutadiene	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
TCMX	ORG-91-5112	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Decachlorobiphenyl	ORG-91-5113	modified from EPA 3570 & 3620C & 8081B	GC/ECD
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184764

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:S. Service Rd E, Oakville

SAMPLED BY:N.Mc

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
wet weight OC	ORG-91-5113		BALANCE

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AGAT Laboratories

Have feedback? Scan here for a quick survey!

5835 Coopers Avenue
Mississauga, Ontario L4Z 1Y2
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webearth.agatlabs.com

Chain of Custody Record

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

Report Information:

Company: EXP Services Inc
Contact: Jennifer Hayman
Address: 1266 South Service Rd Stoney Creek
Phone: Fax:
Reports to be sent to:
1. Email: jennifer.hayman@exp.com
2. Email: nicole.mcquad@exp.com

Project Information:

Project: GTR-230063 48-E1
Site Location: S. Service Rd E. Oakville
Sampled By: N.MC
AGAT Quote #: Standing PO: GTR-230063 48-E1
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☒

Company: EXP Services
Contact:
Address: AP@exp.com
Email:

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☒ Fine

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

☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm — Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other — Indicate One

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

Report Guideline on Certificate of Analysis ☒ Yes ☐ No

Legal Sample ☐

Sample Matrix Legend

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

Laboratory Use Only

Work Order #: 24H154764
Cooler Quantity: LG
Arrival Temperatures: 3.6 | 3.2 | 3.0
~~Depot~~ Temperatures: 5.0 | 5.1 | 5.3
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: LOOSE ICE

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package	pH, Metals, BTEX, F1-F4	EC, SAR	Regulation 406 SPLP Rainwater Leach	mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP:	TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	Corrosivity: ☐ Moisture ☐ Sulphide	OCPs							Potentially Hazardous or High Concentration (Y/N)
1. BH133A SS1	24/8/12	AM PM	1	S																X							
2. MW301 SS1	24/8/8	AM PM	1																	X							
3. BH340 SS1	24/8/12	AM PM	1																	X							
4. BH403 SS2	24/8/1	AM PM	1																	X							
5.		AM PM																									
6.		AM PM																									
7.		AM PM																									
8.		AM PM																									
9.		AM PM																									
10.		AM PM																									
11.		AM PM																									

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Nicole McQuad	24/8/13	2:50		Aug 13/24	2:50pm
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
	Aug 13/24	3pm		Aug 13	4p
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

Page 1 of 1

N°: T-156870

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

Document ID: DW-76-1511-029

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Date Issued: Jan 18, 2024

AGAT Laboratories

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CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Jennifer Hayman
PROJECT: GTR-23006348-E1
AGAT WORK ORDER: 24H184765
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
DATE REPORTED: Aug 20, 2024
PAGES (INCLUDING COVER): 7
VERSION*: 1

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

Notes

Disclaimer:

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

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Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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Certificate of Analysis

AGAT WORK ORDER: 24H184765

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:N. Mc

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

DATE RECEIVED: 2024-08-13

DATE REPORTED: 2024-08-20

		SAMPLE DESCRIPTION:		BH119A SS6
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2024-08-12 09:00
Parameter	**Unit**	**G / S**	**RDL**	**6073682**
Benzene	µg/g	0.17	0.02	<0.02
Toluene	µg/g	6	0.05	<0.05
Ethylbenzene	µg/g	1.6	0.05	<0.05
m & p-Xylene	µg/g		0.05	<0.05
o-Xylene	µg/g		0.05	<0.05
Xylenes (Total)	µg/g	25	0.05	<0.05
F1 (C6 to C10)	µg/g	65	5	26
F1 (C6 to C10) minus BTEX	µg/g	65	5	26
F2 (C10 to C16)	µg/g	150	7	**327**
F3 (C16 to C34)	µg/g	1300	50	551
F4 (C34 to C50)	µg/g	5600	50	<50
Gravimetric Heavy Hydrocarbons	µg/g	5600	50	NA
Moisture Content	%		0.1	19.8
Surrogate	**Unit**	**Acceptable Limits**		
Toluene-d8	% Recovery	60-140		81
Terphenyl	%	60-140		99

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24H184765

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:N. Mc

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

DATE RECEIVED: 2024-08-13 **DATE REPORTED: 2024-08-20**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6073682 Results are based on sample dry weight.
The C6-C10 fraction is calculated using Toluene response factor.
Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX contribution.
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC6 and nC10 response factors are within 30% of Toluene response factor.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.
Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.
Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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Exceedance Summary

AGAT WORK ORDER: 24H184765

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
6073682	BH119A SS6	ON T2 S RPI MFT	EXP O. Reg. 153(511) - PHCs F1 - F4 (Soil)	F2 (C10 to C16)	µg/g	150	327

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184765

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:N. Mc

Trace Organics Analysis

RPT Date: Aug 20, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
EXP O. Reg. 153(511) - PHCs F1 - F4 (Soil)															
Benzene	6073849		<0.02	<0.02	NA	< 0.02	90%	60%	140%	93%	60%	140%	81%	60%	140%
Toluene	6073849		<0.05	<0.05	NA	< 0.05	80%	60%	140%	95%	60%	140%	75%	60%	140%
Ethylbenzene	6073849		<0.05	<0.05	NA	< 0.05	109%	60%	140%	92%	60%	140%	71%	60%	140%
m & p-Xylene	6073849		<0.05	<0.05	NA	< 0.05	108%	60%	140%	93%	60%	140%	93%	60%	140%
o-Xylene	6073849		<0.05	<0.05	NA	< 0.05	100%	60%	140%	94%	60%	140%	72%	60%	140%
F1 (C6 to C10)	6073849		<5	<5	NA	< 5	99%	60%	140%	85%	60%	140%	100%	60%	140%
F2 (C10 to C16)	6076519		< 7	< 7	NA	< 7	108%	60%	140%	100%	60%	140%	104%	60%	140%
F3 (C16 to C34)	6076519		< 50	< 50	NA	< 50	122%	60%	140%	76%	60%	140%	98%	60%	140%
F4 (C34 to C50)	6076519		< 50	< 50	NA	< 50	81%	60%	140%	103%	60%	140%	111%	60%	140%

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

Certified By: N Popowkolof

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184765

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:N. Mc

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

Have feedback? Scan here for a quick survey!

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

Chain of Custody Record

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

Report Information:

Company: EXP Services Inc
Contact: Jennifer Hayman
Address: 1266 South Service Rd
Stoney Creek
Phone: Fax:
Reports to be sent to:
1. Email: jennifer.hayman@exp.com
2. Email: nicole.mcquaid@exp.com

Project Information:

Project: GTR-230063348-E1
Site Location: S. Service Rd. E. Oakville
Sampled By: N.MC
AGAT Quote #: Standing PO: GTR-230063348-E1
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☑
Company: EXP Services
Contact:
Address: AP@exp.com
Email:

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☑ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☑ Fine
☐ Regulation 406 — Table (Indicate One) — ☐ Ind/Com ☐ Res/Park ☐ Agriculture
☐ Regulation 558
☐ CCME
☐ Sewer Use ☐ Sanitary ☐ Storm — Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other — Indicate One

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

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

Legal Sample ☐

Sample Matrix Legend

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

Laboratory Use Only

Work Order #: 24H184765
Cooler Quantity: LG COOLER
Arrival Temperatures: 5.0 | 5.1 | 5.3
Depot Temperatures: 3.6 | 3.2 | 3.0
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: LOOSE ICE

Turnaround Time (TAT) Required:

Regular TAT ☑ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CSR

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: VOC	O. Reg 153: PAHs	O. Reg 153: PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package	O. Reg 406: pH, Metals, BTEX, F1-F4	O. Reg 406: EC, SAR	O. Reg 406: Regulation 406 SPLP Rainwater Leach	O. Reg 406: mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP:	O. Reg 558: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. BH119A SS6	24/8/12	9:00 AM/PM	2	S	Rock Crushing if required please				X												X
2.		AM/PM																			
3.		AM/PM																			
4.		AM/PM																			
5.		AM/PM																			
6.		AM/PM																			
7.		AM/PM																			
8.		AM/PM																			
9.		AM/PM																			
10.		AM/PM																			
11.		AM/PM																			

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Nicole M'Quaid	24/8/13	2:50			
	Aug 13/24	3pm		Aug 13/24	2:50 pm

Page 1 of 1
N°: T-156869

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

Document ID: DIV-75-1511-023
Any and all products and/or services provided by AGAT Labs are pursuant to the terms and conditions as set forth at www.agatlabs.com/termsandconditions unless otherwise agreed in a current written contractual document.
Date Issued: Jan 18, 2024

Appendix E2 – Laboratory Certificates of Analysis – Groundwater

AGAT Laboratories

5835 COOPERS AVENUE
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FAX (905)712-5122
http://www.agatlabs.com

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Danika Durish
PROJECT: GTR-23006348-B0
AGAT WORK ORDER: 23H047149
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
WATER ANALYSIS REVIEWED BY: Yris Verastegui, Report Reviewer
DATE REPORTED: Jul 21, 2023
PAGES (INCLUDING COVER): 28
VERSION*: 1

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

Notes

Disclaimer:

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

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14

DATE REPORTED: 2023-07-21

		SAMPLE DESCRIPTION:		MW104	MW1044	MW126	MW138
		SAMPLE TYPE:		Water	Water	Water	Water
		DATE SAMPLED:		2023-07-13	2023-07-13	2023-07-13 12:00	2023-07-13 12:00
Parameter	**Unit**	**G / S**	**RDL**	**5144337**	**5144340**	**5144349**	**5144355**
Naphthalene	µg/L	11	0.20	<0.20	<0.20	1.22	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20	<0.20	0.67	<0.20
Acenaphthene	µg/L	4.1	0.20	<0.20	<0.20	**4.67**	<0.20
Fluorene	µg/L	120	0.20	<0.20	<0.20	5.22	<0.20
Phenanthrene	µg/L	1	0.10	<0.10	<0.10	**3.78**	<0.10
Anthracene	µg/L	2.4	0.10	<0.10	<0.10	0.33	<0.10
Fluoranthene	µg/L	0.41	0.20	<0.20	<0.20	<0.20	<0.20
Pyrene	µg/L	4.1	0.20	<0.20	<0.20	<0.20	<0.20
Benzo(a)anthracene	µg/L	1	0.20	<0.20	<0.20	<0.20	<0.20
Chrysene	µg/L	0.1	0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.1	0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.1	0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.01	0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20	<0.20	<0.20	<0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.2	0.20	<0.20	<0.20	<0.20	<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20	<0.20	<0.20	<0.20	<0.20
2-and 1-methyl Naphthalene	µg/L	3.2	0.20	<0.20	<0.20	**119**	<0.20
Sediment				1	1	1	1
Surrogate	**Unit**	**Acceptable Limits**					
Naphthalene-d8	%	50-140		99	101	98	101
Acridine-d9	%	50-140		113	110	98	107
Terphenyl-d14	%	50-140		78	81	82	103

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14 **DATE REPORTED: 2023-07-21**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5144337-5144355 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&(j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14

DATE REPORTED: 2023-07-21

				SAMPLE DESCRIPTION:	MW104	MW126	MW138
				SAMPLE TYPE:	Water	Water	Water
				DATE SAMPLED:	2023-07-13	2023-07-13 12:00	2023-07-13 12:00
Parameter	**Unit**	**G / S**	**RDL**		**5144337**	**5144349**	**5144355**
F1 (C6-C10)	µg/L	750	25		<25	51	<25
F1 (C6 to C10) minus BTEX	µg/L	750	25		<25	51	<25
F2 (C10 to C16)	µg/L	150	100		<100	**718**	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100	717	<100
F3 (C16 to C34)	µg/L	500	100		<100	<100	<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100	<100	<100
F4 (C34 to C50)	µg/L	500	100		<100	<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA	NA	NA
Sediment					1	1	1
Surrogate	**Unit**	**Acceptable Limits**					
Toluene-d8	%	50-140			106	104	99
Terphenyl	% Recovery	60-140			72	87	95

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14 **DATE REPORTED: 2023-07-21**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5144337-5144355 The C6-C10 fraction is calculated using toluene response factor.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

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

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14

DATE REPORTED: 2023-07-21

		SAMPLE DESCRIPTION:		MW1044
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2023-07-13
Parameter	**Unit**	**G / S**	**RDL**	**5144340**
Benzene	µg/L	5.0	0.20	0.55
Toluene	µg/L	24	0.20	0.84
Ethylbenzene	µg/L	2.4	0.10	0.63
m & p-Xylene	µg/L		0.20	2.01
o-Xylene	µg/L		0.10	0.61
Xylenes (Total)	µg/L	300	0.20	2.62
F1 (C6-C10)	µg/L	750	25	<25
F1 (C6 to C10) minus BTEX	µg/L	750	25	<25
F2 (C10 to C16)	µg/L	150	100	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100	<100
F3 (C16 to C34)	µg/L	500	100	<100
F3 (C16 to C34) minus PAHs	µg/L		100	<100
F4 (C34 to C50)	µg/L	500	100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500	NA
Sediment				1
Surrogate	**Unit**	**Acceptable Limits**		
Toluene-d8	% Recovery	60-140		118
Terphenyl	% Recovery	60-140		94

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14 **DATE REPORTED: 2023-07-21**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5144340 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
The C6-C10 fraction is calculated using toluene response factor.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

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AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14 **DATE REPORTED: 2023-07-21**

		SAMPLE DESCRIPTION:		MW107	MW110D	MW111	MW1111	MW113	MW118	MW130	MW131
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-07-12	2023-07-13	2023-07-13	2023-07-13	2023-07-13	2023-07-13	2023-07-13	2023-07-12
Parameter	Unit	G / S	RDL	5144341	5144344	5144345	5144346	5144347	5144348	5144351	5144352
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	**7.50**	**134**	**2.11**	1.68	<0.17	0.24	0.41	**133**
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	1.52	2.10	<0.30	<0.30	<0.30	<0.30	<0.30	1.87
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	3.30	3.40	0.81	0.72	0.48	<0.20	<0.20	13.0
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	**113**	**261**	13.1	13.4	15.3	2.84	1.79	**508**
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	**282**	0.94	3.15	3.21	0.63	**13.4**	**13.1**	1.12
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
m & p-Xylene	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Certified By: NPopnikoloff

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14 **DATE REPORTED: 2023-07-21**

		SAMPLE DESCRIPTION:		MW107	MW110D	MW111	MW1111	MW113	MW118	MW130	MW131
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-07-12	2023-07-13	2023-07-13	2023-07-13	2023-07-13	2023-07-13	2023-07-13	2023-07-12
Parameter	**Unit**	**G / S**	**RDL**	**5144341**	**5144344**	**5144345**	**5144346**	**5144347**	**5144348**	**5144351**	**5144352**
Bromoform	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Hexane	µg/L	520	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**									
Toluene-d8	% Recovery	50-140		103	109	109	103	110	110	108	112
4-Bromofluorobenzene	% Recovery	50-140		95	88	82	85	86	82	80	90

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14

DATE REPORTED: 2023-07-21

		SAMPLE DESCRIPTION:		MW142	MW1422	MW148S	MW148D	MW1488D	MW155	MW203	Trip Blank
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-07-12	2023-07-12	2023-07-13 12:00	2023-07-13 12:00	2023-07-13 12:00	2023-07-13 12:00	2023-07-13 12:00	
Parameter	Unit	G / S	RDL	5144353	5144354	5144357	5144358	5144359	5144360	5144361	5144364
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	**9.90**	**10.7**	<0.17	**12.2**	**11.7**	<0.17	<0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	2.38	2.41	<0.30	4.73	4.56	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	5.21	4.73	<0.20	<0.20	0.43	<0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	**219**	**236**	<0.20	14.4	14.0	<0.20	<0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	2.65	2.64	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	**179**	**191**	<0.20	2.64	2.54	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14

DATE REPORTED: 2023-07-21

		SAMPLE DESCRIPTION:		MW142	MW1422	MW148S	MW148D	MW1488D	MW155	MW203	Trip Blank
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-07-12	2023-07-12	2023-07-13 12:00	2023-07-13 12:00	2023-07-13 12:00	2023-07-13 12:00	2023-07-13 12:00	
Parameter	**Unit**	**G / S**	**RDL**	**5144353**	**5144354**	**5144357**	**5144358**	**5144359**	**5144360**	**5144361**	**5144364**
m & p-Xylene	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Hexane	µg/L	520	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**									
Toluene-d8	% Recovery	50-140		109	108	108	109	112	109	108	108
4-Bromofluorobenzene	% Recovery	50-140		90	86	88	82	86	86	88	81

Certified By:

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AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14

DATE REPORTED: 2023-07-21

		SAMPLE DESCRIPTION:		Trip Blank
		SAMPLE TYPE:		Water
		DATE SAMPLED:		
Parameter	Unit	G / S	RDL	5144365
Dichlorodifluoromethane	µg/L	590	0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20
Toluene	µg/L	24	0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10
m & p-Xylene	µg/L		0.20	<0.20

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14

DATE REPORTED: 2023-07-21

		SAMPLE DESCRIPTION:		Trip Blank
		SAMPLE TYPE:		Water
		DATE SAMPLED:		
Parameter	**Unit**	**G / S**	**RDL**	**5144365**
Bromoform	µg/L	25	0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10
o-Xylene	µg/L		0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20
n-Hexane	µg/L	520	0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**		
Toluene-d8	% Recovery	50-140		106
4-Bromofluorobenzene	% Recovery	50-140		83

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5144341-5144365 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14

DATE REPORTED: 2023-07-21

		SAMPLE DESCRIPTION:		MW104	MW126	MW138
		SAMPLE TYPE:		Water	Water	Water
		DATE SAMPLED:		2023-07-13	2023-07-13 12:00	2023-07-13 12:00
Parameter	Unit	G / S	RDL	5144337	5144349	5144355
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	**3.27**	<0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	0.63	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	**28**	<0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	0.36	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	4.96	<0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	1.03	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	0.36	<0.10	<0.10

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

DATE RECEIVED: 2023-07-14

DATE REPORTED: 2023-07-21

		SAMPLE DESCRIPTION:		MW104	MW126	MW138
		SAMPLE TYPE:		Water	Water	Water
		DATE SAMPLED:		2023-07-13	2023-07-13 12:00	2023-07-13 12:00
Parameter	**Unit**	**G / S**	**RDL**	**5144337**	**5144349**	**5144355**
m & p-Xylene	µg/L		0.20	1.74	<0.20	<0.20
Bromoform	µg/L	25	0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	0.54	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	2.28	<0.20	<0.20
n-Hexane	µg/L	520	0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**				
Toluene-d8	% Recovery	50-140		106	104	99
4-Bromofluorobenzene	% Recovery	50-140		84	80	92

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5144337-5144355 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2023-07-14 **DATE REPORTED: 2023-07-21**

		SAMPLE DESCRIPTION:		MW1	MW107	MW126	MW1266	MW131	MW138	MW203	MW2033
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-07-13 12:00	2023-07-12	2023-07-13 12:00	2023-07-13 12:00	2023-07-12	2023-07-13 12:00	2023-07-13 12:00	2023-07-13 12:00
Parameter	**Unit**	**G / S**	**RDL**	**5144336**	**5144341**	**5144349**	**5144350**	**5144352**	**5144355**	**5144361**	**5144362**
Dissolved Antimony	µg/L	6	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0	1.6	<1.0	5.9	6.6	11.9	<1.0	<1.0	<1.0
Dissolved Barium	µg/L	1000	2.0	201	47.5	360	368	132	142	38.0	37.5
Dissolved Beryllium	µg/L	4	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	5000	10.0	189	148	170	168	293	181	4310	4330
Dissolved Cadmium	µg/L	2.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	50	2.0	<2.0	<2.0	<2.0	23.5	<2.0	<2.0	<2.0	<2.0
Dissolved Cobalt	µg/L	3.8	0.50	<0.50	<0.50	1.58	**43.5**	**7.93**	1.27	<0.50	<0.50
Dissolved Copper	µg/L	87	1.0	1.0	1.6	<1.0	<1.0	4.1	5.1	<1.0	<1.0
Dissolved Lead	µg/L	10	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50	6.15	3.62	1.52	1.62	**174**	0.54	2.30	2.51
Dissolved Nickel	µg/L	100	1.0	<1.0	<1.0	1.8	3.3	1.1	2.0	1.8	<1.0
Dissolved Selenium	µg/L	10	1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	9.0	**10.2**
Dissolved Silver	µg/L	1.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	2	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	20	0.50	1.46	7.34	1.30	1.27	4.77	5.88	<0.50	<0.50
Dissolved Vanadium	µg/L	6.2	0.40	<0.40	<0.40	0.48	0.60	<0.40	0.64	<0.40	<0.40
Dissolved Zinc	µg/L	1100	5.0	5.2	<5.0	11.4	9.3	<5.0	<5.0	<5.0	<5.0

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5144336-5144362 Metals analysis completed on a filtered sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Iris Verástegui

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AGAT Laboratories

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Exceedance Summary

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
5144337	MW104	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Vinyl Chloride	µg/L	1.7	3.27
5144337	MW104	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (with PHC) (Water)	cis- 1,2-Dichloroethylene	µg/L	17	28
5144341	MW107	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Trichloroethylene	µg/L	5	282
5144341	MW107	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	7.50
5144341	MW107	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	113
5144344	MW110D	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	134
5144344	MW110D	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	261
5144345	MW111	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	2.11
5144348	MW118	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Trichloroethylene	µg/L	5	13.4
5144349	MW126	ON T2 PGW MFT	O. Reg. 153(511) - PAHs (Water)	2-and 1-methyl Naphthalene	µg/L	3.2	119
5144349	MW126	ON T2 PGW MFT	O. Reg. 153(511) - PAHs (Water)	Acenaphthene	µg/L	4.1	4.67
5144349	MW126	ON T2 PGW MFT	O. Reg. 153(511) - PAHs (Water)	Phenanthrene	µg/L	1	3.78
5144349	MW126	ON T2 PGW MFT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	F2 (C10 to C16)	µg/L	150	718
5144349	MW126	ON T2 PGW MFT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Phenanthrene	µg/L	1	3.78
5144350	MW1266	ON T2 PGW MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Water)	Dissolved Cobalt	µg/L	3.8	43.5
5144351	MW130	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Trichloroethylene	µg/L	5	13.1
5144352	MW131	ON T2 PGW MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Water)	Dissolved Cobalt	µg/L	3.8	7.93
5144352	MW131	ON T2 PGW MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Water)	Dissolved Molybdenum	µg/L	70	174
5144352	MW131	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	133
5144352	MW131	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	508
5144353	MW142	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Trichloroethylene	µg/L	5	179
5144353	MW142	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	9.90
5144353	MW142	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	219
5144354	MW1422	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Trichloroethylene	µg/L	5	191
5144354	MW1422	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	10.7
5144354	MW1422	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	236
5144358	MW148D	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	12.2
5144359	MW1488D	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	11.7
5144362	MW2033	ON T2 PGW MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Water)	Dissolved Selenium	µg/L	10	10.2

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

Trace Organics Analysis

RPT Date: Jul 21, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)															
F1 (C6-C10)	5144355	5144355	<25	<25	NA	< 25	102%	60%	140%	102%	60%	140%	96%	60%	140%
F2 (C10 to C16)	5144337	5144337	< 100	< 100	NA	< 100	109%	60%	140%	68%	60%	140%	63%	60%	140%
F3 (C16 to C34)	5144337	5144337	< 100	< 100	0.0%	< 100	111%	60%	140%	66%	60%	140%	62%	60%	140%
F4 (C34 to C50)	5144337	5144337	< 100	< 100	0.0%	< 100	94%	60%	140%	72%	60%	140%	72%	60%	140%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	5144355	5144355	<0.40	<0.40	NA	< 0.40	108%	50%	140%	96%	50%	140%	88%	50%	140%
Vinyl Chloride	5144355	5144355	<0.17	<0.17	NA	< 0.17	111%	50%	140%	112%	50%	140%	105%	50%	140%
Bromomethane	5144355	5144355	<0.20	<0.20	NA	< 0.20	106%	50%	140%	110%	50%	140%	96%	50%	140%
Trichlorofluoromethane	5144355	5144355	<0.40	<0.40	NA	< 0.40	114%	50%	140%	105%	50%	140%	105%	50%	140%
Acetone	5144355	5144355	<1.0	<1.0	NA	< 1.0	95%	50%	140%	89%	50%	140%	77%	50%	140%
1,1-Dichloroethylene	5144355	5144355	<0.30	<0.30	NA	< 0.30	107%	50%	140%	85%	60%	130%	114%	50%	140%
Methylene Chloride	5144355	5144355	<0.30	<0.30	NA	< 0.30	115%	50%	140%	103%	60%	130%	104%	50%	140%
trans- 1,2-Dichloroethylene	5144355	5144355	<0.20	<0.20	NA	< 0.20	96%	50%	140%	94%	60%	130%	116%	50%	140%
Methyl tert-butyl ether	5144355	5144355	<0.20	<0.20	NA	< 0.20	97%	50%	140%	87%	60%	130%	83%	50%	140%
1,1-Dichloroethane	5144355	5144355	<0.30	<0.30	NA	< 0.30	101%	50%	140%	74%	60%	130%	104%	50%	140%
Methyl Ethyl Ketone	5144355	5144355	<1.0	<1.0	NA	< 1.0	72%	50%	140%	81%	50%	140%	83%	50%	140%
cis- 1,2-Dichloroethylene	5144355	5144355	<0.20	<0.20	NA	< 0.20	99%	50%	140%	81%	60%	130%	108%	50%	140%
Chloroform	5144355	5144355	<0.20	<0.20	NA	< 0.20	111%	50%	140%	78%	60%	130%	109%	50%	140%
1,2-Dichloroethane	5144355	5144355	<0.20	<0.20	NA	< 0.20	95%	50%	140%	81%	60%	130%	96%	50%	140%
1,1,1-Trichloroethane	5144355	5144355	<0.30	<0.30	NA	< 0.30	100%	50%	140%	76%	60%	130%	104%	50%	140%
Carbon Tetrachloride	5144355	5144355	<0.20	<0.20	NA	< 0.20	109%	50%	140%	73%	60%	130%	110%	50%	140%
Benzene	5144355	5144355	<0.20	<0.20	NA	< 0.20	100%	50%	140%	79%	60%	130%	113%	50%	140%
1,2-Dichloropropane	5144355	5144355	<0.20	<0.20	NA	< 0.20	110%	50%	140%	78%	60%	130%	102%	50%	140%
Trichloroethylene	5144355	5144355	<0.20	<0.20	NA	< 0.20	100%	50%	140%	77%	60%	130%	103%	50%	140%
Bromodichloromethane	5144355	5144355	<0.20	<0.20	NA	< 0.20	101%	50%	140%	78%	60%	130%	105%	50%	140%
Methyl Isobutyl Ketone	5144355	5144355	<1.0	<1.0	NA	< 1.0	84%	50%	140%	86%	50%	140%	96%	50%	140%
1,1,2-Trichloroethane	5144355	5144355	<0.20	<0.20	NA	< 0.20	105%	50%	140%	102%	60%	130%	119%	50%	140%
Toluene	5144355	5144355	<0.20	<0.20	NA	< 0.20	106%	50%	140%	86%	60%	130%	89%	50%	140%
Dibromochloromethane	5144355	5144355	<0.10	<0.10	NA	< 0.10	112%	50%	140%	92%	60%	130%	98%	50%	140%
Ethylene Dibromide	5144355	5144355	<0.10	<0.10	NA	< 0.10	106%	50%	140%	99%	60%	130%	120%	50%	140%
Tetrachloroethylene	5144355	5144355	<0.20	<0.20	NA	< 0.20	113%	50%	140%	82%	60%	130%	110%	50%	140%
1,1,1,2-Tetrachloroethane	5144355	5144355	<0.10	<0.10	NA	< 0.10	105%	50%	140%	83%	60%	130%	119%	50%	140%
Chlorobenzene	5144355	5144355	<0.10	<0.10	NA	< 0.10	95%	50%	140%	89%	60%	130%	110%	50%	140%
Ethylbenzene	5144355	5144355	<0.10	<0.10	NA	< 0.10	97%	50%	140%	82%	60%	130%	106%	50%	140%
m & p-Xylene	5144355	5144355	<0.20	<0.20	NA	< 0.20	111%	50%	140%	83%	60%	130%	97%	50%	140%
Bromoform	5144355	5144355	<0.10	<0.10	NA	< 0.10	104%	50%	140%	93%	60%	130%	116%	50%	140%
Styrene	5144355	5144355	<0.10	<0.10	NA	< 0.10	98%	50%	140%	79%	60%	130%	100%	50%	140%
1,1,2,2-Tetrachloroethane	5144355	5144355	<0.10	<0.10	NA	< 0.10	95%	50%	140%	101%	60%	130%	75%	50%	140%
o-Xylene	5144355	5144355	<0.10	<0.10	NA	< 0.10	106%	50%	140%	82%	60%	130%	100%	50%	140%

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown, due to rounding of final results.

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC
AGAT WORK ORDER: 23H047149
PROJECT: GTR-23006348-B0
ATTENTION TO: Danika Durish
SAMPLING SITE:South Service Rd. E
SAMPLED BY:NiMc/MT

Trace Organics Analysis (Continued)

RPT Date: Jul 21, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,3-Dichlorobenzene	5144355	5144355	<0.10	<0.10	NA	< 0.10	103%	50%	140%	84%	60%	130%	115%	50%	140%
1,4-Dichlorobenzene	5144355	5144355	<0.10	<0.10	NA	< 0.10	82%	50%	140%	84%	60%	130%	115%	50%	140%
1,2-Dichlorobenzene	5144355	5144355	<0.10	<0.10	NA	< 0.10	103%	50%	140%	84%	60%	130%	112%	50%	140%
n-Hexane	5144355	5144355	<0.20	<0.20	NA	< 0.20	86%	50%	140%	88%	60%	130%	77%	50%	140%
O. Reg. 153(511) - PAHs (Water)															
Naphthalene	5144349	5144349	1.22	1.00	20%	< 0.20	112%	50%	140%	110%	50%	140%	97%	50%	140%
Acenaphthylene	5144349	5144349	0.67	0.89	NA	< 0.20	78%	50%	140%	77%	50%	140%	70%	50%	140%
Acenaphthene	5144349	5144349	4.67	4.00	15.4%	< 0.20	113%	50%	140%	86%	50%	140%	72%	50%	140%
Fluorene	5144349	5144349	5.22	4.56	13.6%	< 0.20	118%	50%	140%	101%	50%	140%	86%	50%	140%
Phenanthrene	5144349	5144349	3.78	3.22	15.9%	< 0.10	92%	50%	140%	102%	50%	140%	83%	50%	140%
Anthracene	5144349	5144349	0.33	0.33	NA	< 0.10	115%	50%	140%	112%	50%	140%	95%	50%	140%
Fluoranthene	5144349	5144349	<0.20	<0.20	NA	< 0.20	92%	50%	140%	119%	50%	140%	97%	50%	140%
Pyrene	5144349	5144349	<0.20	<0.20	NA	< 0.20	84%	50%	140%	116%	50%	140%	94%	50%	140%
Benzo(a)anthracene	5144349	5144349	<0.20	<0.20	NA	< 0.20	113%	50%	140%	103%	50%	140%	93%	50%	140%
Chrysene	5144349	5144349	<0.10	<0.10	NA	< 0.10	96%	50%	140%	94%	50%	140%	101%	50%	140%
Benzo(b)fluoranthene	5144349	5144349	<0.10	<0.10	NA	< 0.10	85%	50%	140%	85%	50%	140%	99%	50%	140%
Benzo(k)fluoranthene	5144349	5144349	<0.10	<0.10	NA	< 0.10	101%	50%	140%	115%	50%	140%	84%	50%	140%
Benzo(a)pyrene	5144349	5144349	<0.01	<0.01	NA	< 0.01	101%	50%	140%	113%	50%	140%	102%	50%	140%
Indeno(1,2,3-cd)pyrene	5144349	5144349	<0.20	<0.20	NA	< 0.20	71%	50%	140%	91%	50%	140%	91%	50%	140%
Dibenz(a,h)anthracene	5144349	5144349	<0.20	<0.20	NA	< 0.20	71%	50%	140%	77%	50%	140%	71%	50%	140%
Benzo(g,h,i)perylene	5144349	5144349	<0.20	<0.20	NA	< 0.20	87%	50%	140%	85%	50%	140%	80%	50%	140%
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs) (Water)															
Benzene	5144340	5144340	0.55	0.53	NA	< 0.20	99%	60%	140%	118%	60%	140%	83%	60%	140%
Toluene	5144340	5144340	0.84	0.78	NA	< 0.20	93%	60%	140%	110%	60%	140%	87%	60%	140%
Ethylbenzene	5144340	5144340	0.63	0.51	21.1%	< 0.10	110%	60%	140%	107%	60%	140%	88%	60%	140%
m & p-Xylene	5144340	5144340	2.01	1.95	3.0%	< 0.20	103%	60%	140%	105%	60%	140%	92%	60%	140%
o-Xylene	5144340	5144340	0.61	0.53	14.0%	< 0.10	106%	60%	140%	114%	60%	140%	94%	60%	140%
F1 (C6-C10)	5144340	5144340	<25	<25	NA	< 25	101%	60%	140%	107%	60%	140%	99%	60%	140%
O. Reg. 153(511) - VOCs (Water)															
Dichlorodifluoromethane	5144361	5144361	<0.40	<0.40	NA	< 0.40	81%	50%	140%	76%	50%	140%	90%	50%	140%
Vinyl Chloride	5144361	5144361	<0.17	<0.17	NA	< 0.17	96%	50%	140%	115%	50%	140%	108%	50%	140%
Bromomethane	5144361	5144361	<0.20	<0.20	NA	< 0.20	75%	50%	140%	109%	50%	140%	76%	50%	140%
Trichlorofluoromethane	5144361	5144361	<0.40	<0.40	NA	< 0.40	100%	50%	140%	108%	50%	140%	105%	50%	140%
Acetone	5144361	5144361	<1.0	<1.0	NA	< 1.0	90%	50%	140%	92%	50%	140%	117%	50%	140%
1,1-Dichloroethylene	5144361	5144361	<0.30	<0.30	NA	< 0.30	112%	50%	140%	113%	60%	130%	92%	50%	140%
Methylene Chloride	5144361	5144361	<0.30	<0.30	NA	< 0.30	100%	50%	140%	106%	60%	130%	100%	50%	140%
trans- 1,2-Dichloroethylene	5144361	5144361	<0.20	<0.20	NA	< 0.20	87%	50%	140%	84%	60%	130%	116%	50%	140%
Methyl tert-butyl ether	5144361	5144361	<0.20	<0.20	NA	< 0.20	80%	50%	140%	87%	60%	130%	88%	50%	140%

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Quality Assurance

CLIENT NAME: EXP SERVICES INC
AGAT WORK ORDER: 23H047149
PROJECT: GTR-23006348-B0
ATTENTION TO: Danika Durish
SAMPLING SITE:South Service Rd. E
SAMPLED BY:NiMc/MT

Trace Organics Analysis (Continued)

RPT Date: Jul 21, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,1-Dichloroethane	5144361	5144361	<0.30	<0.30	NA	< 0.30	109%	50%	140%	108%	60%	130%	98%	50%	140%
Methyl Ethyl Ketone	5144361	5144361	<1.0	<1.0	NA	< 1.0	104%	50%	140%	82%	50%	140%	80%	50%	140%
cis- 1,2-Dichloroethylene	5144361	5144361	<0.20	<0.20	NA	< 0.20	103%	50%	140%	109%	60%	130%	104%	50%	140%
Chloroform	5144361	5144361	<0.20	<0.20	NA	< 0.20	114%	50%	140%	110%	60%	130%	102%	50%	140%
1,2-Dichloroethane	5144361	5144361	<0.20	<0.20	NA	< 0.20	104%	50%	140%	96%	60%	130%	88%	50%	140%
1,1,1-Trichloroethane	5144361	5144361	<0.30	<0.30	NA	< 0.30	109%	50%	140%	113%	60%	130%	108%	50%	140%
Carbon Tetrachloride	5144361	5144361	<0.20	<0.20	NA	< 0.20	108%	50%	140%	112%	60%	130%	112%	50%	140%
Benzene	5144361	5144361	<0.20	<0.20	NA	< 0.20	83%	50%	140%	113%	60%	130%	106%	50%	140%
1,2-Dichloropropane	5144361	5144361	<0.20	<0.20	NA	< 0.20	90%	50%	140%	101%	60%	130%	96%	50%	140%
Trichloroethylene	5144361	5144361	<0.20	<0.20	NA	< 0.20	92%	50%	140%	113%	60%	130%	108%	50%	140%
Bromodichloromethane	5144361	5144361	<0.20	<0.20	NA	< 0.20	88%	50%	140%	107%	60%	130%	94%	50%	140%
Methyl Isobutyl Ketone	5144361	5144361	<1.0	<1.0	NA	< 1.0	79%	50%	140%	91%	50%	140%	101%	50%	140%
1,1,2-Trichloroethane	5144361	5144361	<0.20	<0.20	NA	< 0.20	98%	50%	140%	89%	60%	130%	114%	50%	140%
Toluene	5144361	5144361	<0.20	<0.20	NA	< 0.20	83%	50%	140%	105%	60%	130%	108%	50%	140%
Dibromochloromethane	5144361	5144361	<0.10	<0.10	NA	< 0.10	94%	50%	140%	96%	60%	130%	110%	50%	140%
Ethylene Dibromide	5144361	5144361	<0.10	<0.10	NA	< 0.10	96%	50%	140%	119%	60%	130%	117%	50%	140%
Tetrachloroethylene	5144361	5144361	<0.20	<0.20	NA	< 0.20	105%	50%	140%	99%	60%	130%	107%	50%	140%
1,1,1,2-Tetrachloroethane	5144361	5144361	<0.10	<0.10	NA	< 0.10	97%	50%	140%	107%	60%	130%	109%	50%	140%
Chlorobenzene	5144361	5144361	<0.10	<0.10	NA	< 0.10	88%	50%	140%	120%	60%	130%	119%	50%	140%
Ethylbenzene	5144361	5144361	<0.10	<0.10	NA	< 0.10	101%	50%	140%	94%	60%	130%	87%	50%	140%
m & p-Xylene	5144361	5144361	<0.20	<0.20	NA	< 0.20	109%	50%	140%	105%	60%	130%	104%	50%	140%
Bromoform	5144361	5144361	<0.10	<0.10	NA	< 0.10	102%	50%	140%	113%	60%	130%	102%	50%	140%
Styrene	5144361	5144361	<0.10	<0.10	NA	< 0.10	85%	50%	140%	94%	60%	130%	102%	50%	140%
1,1,2,2-Tetrachloroethane	5144361	5144361	<0.10	<0.10	NA	< 0.10	104%	50%	140%	107%	60%	130%	109%	50%	140%
o-Xylene	5144361	5144361	<0.10	<0.10	NA	< 0.10	111%	50%	140%	118%	60%	130%	117%	50%	140%
1,3-Dichlorobenzene	5144361	5144361	<0.10	<0.10	NA	< 0.10	98%	50%	140%	113%	60%	130%	108%	50%	140%
1,4-Dichlorobenzene	5144361	5144361	<0.10	<0.10	NA	< 0.10	80%	50%	140%	113%	60%	130%	109%	50%	140%
1,2-Dichlorobenzene	5144361	5144361	<0.10	<0.10	NA	< 0.10	108%	50%	140%	108%	60%	130%	106%	50%	140%
n-Hexane	5144361	5144361	<0.20	<0.20	NA	< 0.20	77%	50%	140%	71%	60%	130%	72%	50%	140%

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

Certified By: N Popowkof

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

Water Analysis

RPT Date: Jul 21, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Water)															
Dissolved Antimony	5144580		<1.0	<1.0	NA	< 1.0	104%	70%	130%	108%	80%	120%	107%	70%	130%
Dissolved Arsenic	5144580		11.2	11.6	3.5%	< 1.0	99%	70%	130%	113%	80%	120%	107%	70%	130%
Dissolved Barium	5144580		173	174	0.6%	< 2.0	99%	70%	130%	99%	80%	120%	98%	70%	130%
Dissolved Beryllium	5144580		<0.50	<0.50	NA	< 0.50	93%	70%	130%	110%	80%	120%	106%	70%	130%
Dissolved Boron	5144580		36.7	37.3	NA	< 10.0	103%	70%	130%	106%	80%	120%	101%	70%	130%
Dissolved Cadmium	5144580		<0.20	<0.20	NA	< 0.20	100%	70%	130%	104%	80%	120%	98%	70%	130%
Dissolved Chromium	5144580		<2.0	<2.0	NA	< 2.0	98%	70%	130%	102%	80%	120%	102%	70%	130%
Dissolved Cobalt	5144580		1.61	1.46	NA	< 0.50	96%	70%	130%	101%	80%	120%	101%	70%	130%
Dissolved Copper	5144580		2.0	1.7	NA	< 1.0	98%	70%	130%	98%	80%	120%	92%	70%	130%
Dissolved Lead	5144580		<0.50	<0.50	NA	< 0.50	98%	70%	130%	98%	80%	120%	91%	70%	130%
Dissolved Molybdenum	5144580		3.71	4.04	8.5%	< 0.50	98%	70%	130%	105%	80%	120%	106%	70%	130%
Dissolved Nickel	5144580		3.3	3.1	NA	< 1.0	96%	70%	130%	99%	80%	120%	96%	70%	130%
Dissolved Selenium	5144580		39.8	45.5	13.4%	< 1.0	99%	70%	130%	103%	80%	120%	105%	70%	130%
Dissolved Silver	5144580		<0.20	<0.20	NA	< 0.20	96%	70%	130%	103%	80%	120%	94%	70%	130%
Dissolved Thallium	5144580		<0.30	<0.30	NA	< 0.30	99%	70%	130%	101%	80%	120%	92%	70%	130%
Dissolved Uranium	5144580		8.82	8.57	2.9%	< 0.50	94%	70%	130%	104%	80%	120%	106%	70%	130%
Dissolved Vanadium	5144580		<0.40	<0.40	NA	< 0.40	96%	70%	130%	104%	80%	120%	108%	70%	130%
Dissolved Zinc	5144580		<5.0	<5.0	NA	< 5.0	97%	70%	130%	101%	80%	120%	93%	70%	130%

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

Certified By: Iris Verástegui

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

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Method Summary

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AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ethylbenzene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
m & p-Xylene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
o-Xylene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
Xylenes (Total)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
F1 (C6-C10)	VOL-91- 5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Vinyl Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromomethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Acetone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methylene Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
trans- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl tert-butyl ether	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
cis- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chloroform	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Benzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromodichloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

Results relate only to the items tested. Results apply to samples as received.

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CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

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

Results relate only to the items tested. Results apply to samples as received.

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

Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H047149

PROJECT: GTR-23006348-B0

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E

SAMPLED BY:NiMc/MT

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS

Results relate only to the items tested. Results apply to samples as received.

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webearth.agatlabs.com

Chain of Custody Record

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

Report Information:

Company: EXP Services Inc.
Contact: Danika Durish
Address: 1266 South Service Rd
Stoney Creek
Phone: Fax:
Reports to be sent to:
1. Email: danika.durish@exp.com
2. Email: nicole.mequoid@exp.com

Project Information:

Project: GTR-23006348-B0
Site Location: South Service Rd E.
Sampled By: Nimc / MT
AGAT Quote #: standing offer PO: GTR-23006348-B0
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☒
Company: EXP Services Inc.
Contact:
Address:
Email: AP@exp.com

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☒ Fine
☐ Regulation 406 — Table (Indicate One)
☐ Regulation 558
☐ CCME
☐ Sewer Use ☐ Sanitary ☐ Storm — Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other — Indicate One

Is this submission for a Record of Site Condition? ☒ Yes ☐ No

Report Guideline on Certificate of Analysis ☐ Yes ☒ No

Sample Matrix Legend

GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Laboratory Use Only

Work Order #: 23H047149
Cooler Quantity: LG COOLER
Arrival Temperatures: 2.5 | 3.0 | 3.2. / 6.1 | 6.2 | 6.2
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: LOOSE ICE

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CPM

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐CrVI, ☐Hg, ☐HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: VOC	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: PCBs: Aroclors ☐	O. Reg 558: Landfill Disposal Characterization TCLP: ☐M&I ☐VOCs ☐ABNs ☐B(a)P ☐PCBs	O. Reg 406: Regulation 406 SPLP Rainwater Leach	O. Reg 406: Regulation 406 Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: ☐Moisture ☐Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. MW 1	23/7/13	Pm AM PM	1	GW		X		X										
2. MW 104	↓	Am AM PM	7	↓					X	X	X							
3. MW 104d		Am AM PM	7						X		X							
4. MW 107	23/7/12	Am AM PM	4			X		X		X								
5. MW 110D	23/7/13	Am AM PM	3							X								
6. MW 111	↓	Am AM PM	3							X								
7. MW 111		Am AM PM	3							X								
8. MW 113		Am AM PM	3							X								
9. MW 115		Am AM PM	3							X								
10. MW 126		Pm AM PM	8			X		X	X	X	X							
11. MW 1266		Pm AM PM	1	↓		X		X										

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Nicole M'Quoid	23/7/14	12:35	RJMC	July 14/23	12:35pm
RJMC	July 14/23	3pm		07/14/23	4:50pm

Page 1 of 3
N°: T-145675

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Document ID: DW-78-1511-022
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Date Issued: May 30, 2023

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webearth.agatlabs.com

Chain of Custody Record

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

Report Information:

Company:
Contact:
Address: SAA PG. 1
Phone: Fax:
Reports to be sent to:
1. Email:
2. Email:

Project Information:

Project:
Site Location: SA PG 1
Sampled By:
AGAT Quote #: PO:
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐

Company:
Contact:
Address: SA PG1
Email:

Regulatory Requirements:

(Please check all applicable boxes)

- ☒ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture
- Soil Texture (Check One) ☐ Coarse ☒ Fine
- ☐ Regulation 406 — Table (Indicate One)
- ☐ Regulation 558
- ☐ CCME
- ☐ Sewer Use ☐ Sanitary ☐ Storm — Region
- ☐ Prov. Water Quality Objectives (PWQO)
- ☐ Other — Indicate One

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

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

Sample Matrix Legend

GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Laboratory Use Only

Work Order #: 23U47149

Cooler Quantity: LG COOLER

Arrival Temperatures: 2.5 | 3.0 | 3.2 / 6.1 | 6.2 | 6.2

Custody Seal Intact: ☐ Yes ☐ No ☒ N/A

Notes: LOOSE ICE

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT

**TAT is exclusive of weekends and statutory holidays*

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: VOC	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: PCBs: Aroclors ☐	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Regulation 406 SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Regulation 406 Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. MW130	23/7/13	PM AM PM	3	GW						X								
2. MW131	23/7/12	AM AM PM	4			X		X		X								
3. MW142	↓	AM AM PM	3							X								
4. MW1422	↓	AM AM PM	3							X								
5. MW138	23/7/13	PM AM PM	8			X		X	X	X	X							
6. MW148S		PM AM PM	3							X								
7. MW148D		PM AM PM	3							X								
8. MW155D		PM AM PM	3							X								
9. MW155		PM AM PM	3							X								
10. MW203		PM AM PM	4			X		X		X								
11. MW2033	↓	PM AM PM	1	↓		X		X										

	Date	Time		Date	Time
Samples Relinquished By (Print Name and Sign): Nicole Mitchell	23/7/14	12:35	Samples Received By (Print Name and Sign): DMC	July 14/23	12:35 pm
Samples Relinquished By (Print Name and Sign): DMC	July 14/23	3pm	Samples Received By (Print Name and Sign):	07/14/23	4:30pm
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

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N°: T - 145543

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Document ID: DW-78-1511.022

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Date Issued: Mar 30, 2023

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Chain of Custody Record

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

Report Information:

Company:
Contact:
Address: SA PG 1
Phone: Fax:
Reports to be sent to:
1. Email:
2. Email:

Project Information:

Project:
Site Location: SA PG 1
Sampled By:
AGAT Quote #: PO:
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐

Company:
Contact:
Address: SA PG. 1
Email:

Regulatory Requirements:

(Please check all applicable boxes)

- ☒ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture — Soil Texture (Check One): ☐ Coarse ☒ Fine
- ☐ Regulation 406 — Table ____ (Indicate One)
- ☐ Regulation 558
- ☐ CCME
- ☐ Sewer Use — ☐ Sanitary ☐ Storm — ____ (Region)
- ☐ Prov. Water Quality Objectives (PWQO)
- ☐ Other ____ (Indicate One)

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

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

Laboratory Use Only

Work Order #: 23H047149

Cooler Quantity: 4 (ODLEX)
Arrival Temperatures: 2.5 | 3.0 | 3.2 | 6.1 | 6.2 | 6.2
Custody Seal Intact: ☐ Yes ☐ No ☒ N/A
Notes: LOOSE ICE

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Matrix Legend

GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

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

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Nicole M'Quat	23/7/14	12:35	DTMC	July 14/23	12:35 pm
DTMC	July 14/23	3pm		07/4/23	4:50pm

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Document ID: DW-78-1511.022

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CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Danika Durish/ Melina Thogersen
PROJECT: GTR-23006348-C0
AGAT WORK ORDER: 23H069763
TRACE ORGANICS REVIEWED BY: Oksana Gushyla, Trace Organics Lab Supervisor
WATER ANALYSIS REVIEWED BY: Sukhwinder Randhawa, Lab Team Leader
DATE REPORTED: Sep 22, 2023
PAGES (INCLUDING COVER): 19
VERSION*: 1

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

Notes

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.*
- *AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.*
- *This Certificate shall not be reproduced except in full, without the written approval of the laboratory.*
- *The test results reported herewith relate only to the samples as received by the laboratory.*
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- *All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.*
- *For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.*

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Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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AGAT Laboratories

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CANADA L4Z 1Y2
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http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-09-15

DATE REPORTED: 2023-09-22

		SAMPLE DESCRIPTION:		MW125		MW140		MW150S		MW150D	MW154
		SAMPLE TYPE:		Water		Water		Water		Water	Water
		DATE SAMPLED:		2023-09-14		2023-09-14		2023-09-14 12:00		2023-09-14 12:00	2023-09-14 12:00
Parameter	Unit	G / S	RDL	5291751	RDL	5291758	RDL	5291760	RDL	5291807	5291808
Dichlorodifluoromethane	µg/L	590	0.80	<0.80	0.40	<0.40	0.80	<0.80	0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.34	**3.68**	0.17	<0.17	0.34	**54.1**	0.17	**47.7**	1.05
Bromomethane	µg/L	0.89	0.40	<0.40	0.20	<0.20	0.40	<0.40	0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.80	<0.80	0.40	<0.40	0.80	<0.80	0.40	<0.40	<0.40
Acetone	µg/L	2700	2.0	<2.0	1.0	<1.0	2.0	<2.0	1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.60	<0.60	0.30	<0.30	0.60	<0.60	0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.60	<0.60	0.30	<0.30	0.60	<0.60	0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.40	<0.40	0.20	<0.20	0.40	<0.40	0.20	0.54	0.83
Methyl tert-butyl ether	µg/L	15	0.40	<0.40	0.20	<0.20	0.40	<0.40	0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.60	<0.60	0.30	<0.30	0.60	<0.60	0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	2.0	<2.0	1.0	<1.0	2.0	<2.0	1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.40	4.62	0.20	4.11	0.40	**24.5**	0.20	**33.8**	3.13
Chloroform	µg/L	22	0.40	1.07	0.20	<0.20	0.40	<0.40	0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.40	<0.40	0.20	0.46	0.40	<0.40	0.20	0.87	<0.20
1,1,1-Trichloroethane	µg/L	200	0.60	<0.60	0.30	<0.30	0.60	<0.60	0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.40	<0.40	0.20	<0.20	0.40	<0.40	0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.40	<0.40	0.20	**6.76**	0.40	<0.40	0.20	<0.20	**5.53**
1,2-Dichloropropane	µg/L	5	0.40	<0.40	0.20	0.38	0.40	<0.40	0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.40	<0.40	0.20	<0.20	0.40	<0.40	0.20	0.40	<0.20
Bromodichloromethane	µg/L	16	0.40	<0.40	0.20	<0.20	0.40	<0.40	0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	2.0	<2.0	1.0	<1.0	2.0	<2.0	1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.40	<0.40	0.20	<0.20	0.40	<0.40	0.20	<0.20	<0.20
Toluene	µg/L	24	0.40	<0.40	0.20	8.01	0.40	<0.40	0.20	<0.20	2.14
Dibromochloromethane	µg/L	25	0.20	<0.20	0.10	<0.10	0.20	<0.20	0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.20	<0.20	0.10	<0.10	0.20	<0.20	0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.40	<0.40	0.20	<0.20	0.40	<0.40	0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.20	<0.20	0.10	<0.10	0.20	<0.20	0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.20	<0.20	0.10	<0.10	0.20	<0.20	0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.20	<0.20	0.10	0.41	0.20	<0.20	0.10	<0.10	0.21

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Certificate of Analysis

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-09-15

DATE REPORTED: 2023-09-22

		SAMPLE DESCRIPTION:		MW125		MW140		MW150S		MW150D	MW154
		SAMPLE TYPE:		Water		Water		Water		Water	Water
		DATE SAMPLED:		2023-09-14		2023-09-14		2023-09-14 12:00		2023-09-14 12:00	2023-09-14 12:00
Parameter	**Unit**	**G / S**	**RDL**	**5291751**	**RDL**	**5291758**	**RDL**	**5291760**	**RDL**	**5291807**	**5291808**
m & p-Xylene	µg/L		0.40	<0.40	0.20	0.75	0.40	<0.40	0.20	<0.20	0.40
Bromoform	µg/L	25	0.20	<0.20	0.10	<0.10	0.20	<0.20	0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.20	<0.20	0.10	<0.10	0.20	<0.20	0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.20	<0.20	0.10	<0.10	0.20	<0.20	0.10	<0.10	<0.10
o-Xylene	µg/L		0.20	<0.20	0.10	0.53	0.20	<0.20	0.10	<0.10	0.19
1,3-Dichlorobenzene	µg/L	59	0.20	<0.20	0.10	<0.10	0.20	<0.20	0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.20	<0.20	0.10	<0.10	0.20	<0.20	0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.20	<0.20	0.10	<0.10	0.20	<0.20	0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	0.30	<0.30	0.30	<0.30	0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20	0.20	1.28	0.20	<0.20	0.20	<0.20	0.59
n-Hexane	µg/L	520	0.40	<0.40	0.20	<0.20	0.40	<0.40	0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**									
Toluene-d8	% Recovery	50-140		111	**1**	89	**2**	104	**1**	106	104
4-Bromofluorobenzene	% Recovery	50-140		79	**1**	104	**2**	86	**1**	88	91

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Certificate of Analysis

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-09-15

DATE REPORTED: 2023-09-22

SAMPLE DESCRIPTION:				MW152	MW201	MW2011	MW203	MW204	MW2033	MW314	MW315
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2023-09-14 12:00	2023-09-14 12:00	2023-09-14 12:00	2023-09-14 12:00	2023-09-13 12:00	2023-09-13 12:00	2023-09-13	2023-09-13 12:00
Parameter	Unit	G / S	RDL	5291809	5291810	5291811	5291812	5291813	5291814	5291815	5291816
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	1.25	<0.17	<0.17	<0.17	<0.17	<0.17	**7.61**	0.82
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	42.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.58	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	2.05	<0.20	<0.20	<0.20	<0.20	<0.20	**67.5**	10.6
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.38
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.38	**18.6**
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

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AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-09-15

DATE REPORTED: 2023-09-22

		SAMPLE DESCRIPTION:		MW152	MW201	MW2011	MW203	MW204	MW2033	MW314	MW315
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-09-14 12:00	2023-09-14 12:00	2023-09-14 12:00	2023-09-14 12:00	2023-09-13 12:00	2023-09-13 12:00	2023-09-13	2023-09-13 12:00
Parameter	**Unit**	**G / S**	**RDL**	**5291809**	**5291810**	**5291811**	**5291812**	**5291813**	**5291814**	**5291815**	**5291816**
m & p-Xylene	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Hexane	µg/L	520	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**									
Toluene-d8	% Recovery	50-140		108	103	104	104	107	105	102	107
4-Bromofluorobenzene	% Recovery	50-140		91	89	85	81	88	86	80	78

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AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-09-15

DATE REPORTED: 2023-09-22

		SAMPLE DESCRIPTION:		MW316	MW317	MW324
		SAMPLE TYPE:		Water	Water	Water
		DATE SAMPLED:		2023-09-13 12:00	2023-09-13	2023-09-13
Parameter	Unit	G / S	RDL	5291817	5291818	5291819
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	**1.75**	**3.48**	**26.2**
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	0.64
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	5.71	10.8	**53.8**
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10	<0.10

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Certificate of Analysis

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-09-15

DATE REPORTED: 2023-09-22

				SAMPLE DESCRIPTION:	MW316	MW317	MW324
				SAMPLE TYPE:	Water	Water	Water
				DATE SAMPLED:	2023-09-13 12:00	2023-09-13	2023-09-13
Parameter	**Unit**	**G / S**	**RDL**		**5291817**	**5291818**	**5291819**
m & p-Xylene	µg/L		0.20		<0.20	<0.20	<0.20
Bromoform	µg/L	25	0.10		<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10		<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10		<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10		<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10		<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10		<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10		<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30		<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20		<0.20	<0.20	<0.20
n-Hexane	µg/L	520	0.20		<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**					
Toluene-d8	% Recovery	50-140			102	105	108
4-Bromofluorobenzene	% Recovery	50-140			78	80	81

Certified By:

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AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-09-15 **DATE REPORTED: 2023-09-22**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5291751 Dilution factor=2
VOC-The sample was diluted because it was foamy. The reporting detection limit has been corrected for the dilution factor used.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

5291758 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

5291760 Dilution factor=2
VOC-The sample was diluted because it was foamy. The reporting detection limit has been corrected for the dilution factor used.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

5291807-5291819 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2023-09-15 **DATE REPORTED: 2023-09-22**

		SAMPLE DESCRIPTION:		MW150S	MW150D	MW154	MW152	MW201	MW2011	MW203	MW204
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-09-14 12:00	2023-09-14 12:00	2023-09-14 12:00	2023-09-14 12:00	2023-09-14 12:00	2023-09-14 12:00	2023-09-14 12:00	2023-09-13 12:00
Parameter	**Unit**	**G / S**	**RDL**	**5291760**	**5291807**	**5291808**	**5291809**	**5291810**	**5291811**	**5291812**	**5291813**
Dissolved Antimony	µg/L	6	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0	2.8	<1.0	15.0	1.1	2.6	2.5	<1.0	<1.0
Dissolved Barium	µg/L	1000	2.0	165	47.6	292	12.0	78.9	78.4	24.9	<2.0
Dissolved Beryllium	µg/L	4	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	5000	10.0	682	638	236	182	3270	3140	4910	37.3
Dissolved Cadmium	µg/L	2.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	50	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Cobalt	µg/L	3.8	0.50	3.62	<0.50	**30.0**	1.12	<0.50	<0.50	<0.50	<0.50
Dissolved Copper	µg/L	87	1.0	1.2	<1.0	<1.0	2.0	1.6	1.4	1.5	2.5
Dissolved Lead	µg/L	10	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50	1.72	<0.50	1.15	22.8	1.83	1.52	2.36	<0.50
Dissolved Nickel	µg/L	100	1.0	3.1	<1.0	18.9	<1.0	<1.0	<1.0	<1.0	1.1
Dissolved Selenium	µg/L	10	1.0	2.6	<1.0	2.1	<1.0	**17.6**	**20.2**	9.4	<1.0
Dissolved Silver	µg/L	1.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	2	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	20	0.50	11.1	0.76	1.18	0.71	<0.50	<0.50	<0.50	<0.50
Dissolved Vanadium	µg/L	6.2	0.40	0.93	<0.40	0.94	<0.40	<0.40	<0.40	<0.40	<0.40
Dissolved Zinc	µg/L	1100	5.0	<5.0	<5.0	6.0	<5.0	<5.0	<5.0	<5.0	5.2

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Certificate of Analysis

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2023-09-15

DATE REPORTED: 2023-09-22

		SAMPLE DESCRIPTION:		MW2033
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2023-09-13 12:00
Parameter	**Unit**	**G / S**	**RDL**	**5291814**
Dissolved Antimony	µg/L	6	1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0	<1.0
Dissolved Barium	µg/L	1000	2.0	25.6
Dissolved Beryllium	µg/L	4	0.50	<0.50
Dissolved Boron	µg/L	5000	10.0	4770
Dissolved Cadmium	µg/L	2.7	0.20	<0.20
Dissolved Chromium	µg/L	50	2.0	<2.0
Dissolved Cobalt	µg/L	3.8	0.50	0.57
Dissolved Copper	µg/L	87	1.0	1.5
Dissolved Lead	µg/L	10	0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50	2.56
Dissolved Nickel	µg/L	100	1.0	<1.0
Dissolved Selenium	µg/L	10	1.0	7.5
Dissolved Silver	µg/L	1.5	0.20	<0.20
Dissolved Thallium	µg/L	2	0.30	<0.30
Dissolved Uranium	µg/L	20	0.50	<0.50
Dissolved Vanadium	µg/L	6.2	0.40	<0.40
Dissolved Zinc	µg/L	1100	5.0	<5.0

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5291760-5291814 Metals analysis completed on a filtered sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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Exceedance Summary

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
5291751	MW125	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	3.68
5291758	MW140	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Benzene	µg/L	5.0	6.76
5291760	MW150S	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	54.1
5291760	MW150S	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	24.5
5291807	MW150D	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	47.7
5291807	MW150D	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	33.8
5291808	MW154	ON T2 PGW MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Water)	Dissolved Cobalt	µg/L	3.8	30.0
5291808	MW154	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Benzene	µg/L	5.0	5.53
5291810	MW201	ON T2 PGW MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Water)	Dissolved Selenium	µg/L	10	17.6
5291811	MW2011	ON T2 PGW MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Water)	Dissolved Selenium	µg/L	10	20.2
5291815	MW314	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	7.61
5291815	MW314	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	67.5
5291816	MW315	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Trichloroethylene	µg/L	5	18.6
5291817	MW316	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	1.75
5291818	MW317	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	3.48
5291819	MW324	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	26.2
5291819	MW324	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	53.8

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis

RPT Date: Sep 22, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - VOCs (Water)															
Dichlorodifluoromethane	5291819	5291819	<0.40	<0.40	NA	< 0.40	105%	50%	140%	102%	50%	140%	117%	50%	140%
Vinyl Chloride	5291819	5291819	26.2	30.2	13.9%	< 0.17	110%	50%	140%	108%	50%	140%	97%	50%	140%
Bromomethane	5291819	5291819	<0.20	<0.20	NA	< 0.20	118%	50%	140%	109%	50%	140%	107%	50%	140%
Trichlorofluoromethane	5291819	5291819	<0.40	<0.40	NA	< 0.40	100%	50%	140%	88%	50%	140%	102%	50%	140%
Acetone	5291819	5291819	<1.0	<1.0	NA	< 1.0	96%	50%	140%	82%	50%	140%	97%	50%	140%
1,1-Dichloroethylene	5291819	5291819	<0.30	<0.30	NA	< 0.30	105%	50%	140%	117%	60%	130%	82%	50%	140%
Methylene Chloride	5291819	5291819	<0.30	<0.30	NA	< 0.30	110%	50%	140%	108%	60%	130%	116%	50%	140%
trans- 1,2-Dichloroethylene	5291819	5291819	0.64	0.53	NA	< 0.20	97%	50%	140%	85%	60%	130%	118%	50%	140%
Methyl tert-butyl ether	5291819	5291819	<0.20	<0.20	NA	< 0.20	97%	50%	140%	95%	60%	130%	83%	50%	140%
1,1-Dichloroethane	5291819	5291819	<0.30	<0.30	NA	< 0.30	117%	50%	140%	87%	60%	130%	96%	50%	140%
Methyl Ethyl Ketone	5291819	5291819	<1.0	<1.0	NA	< 1.0	82%	50%	140%	82%	50%	140%	84%	50%	140%
cis- 1,2-Dichloroethylene	5291819	5291819	58.6	57.8	1.4%	< 0.20	98%	50%	140%	98%	60%	130%	101%	50%	140%
Chloroform	5291819	5291819	<0.20	<0.20	NA	< 0.20	117%	50%	140%	92%	60%	130%	85%	50%	140%
1,2-Dichloroethane	5291819	5291819	<0.20	<0.20	NA	< 0.20	116%	50%	140%	93%	60%	130%	116%	50%	140%
1,1,1-Trichloroethane	5291819	5291819	<0.30	<0.30	NA	< 0.30	98%	50%	140%	89%	60%	130%	75%	50%	140%
Carbon Tetrachloride	5291819	5291819	<0.20	<0.20	NA	< 0.20	91%	50%	140%	92%	60%	130%	75%	50%	140%
Benzene	5291819	5291819	<0.20	<0.20	NA	< 0.20	110%	50%	140%	116%	60%	130%	91%	50%	140%
1,2-Dichloropropane	5291819	5291819	<0.20	<0.20	NA	< 0.20	106%	50%	140%	107%	60%	130%	83%	50%	140%
Trichloroethylene	5291819	5291819	<0.20	<0.20	NA	< 0.20	118%	50%	140%	109%	60%	130%	100%	50%	140%
Bromodichloromethane	5291819	5291819	<0.20	<0.20	NA	< 0.20	84%	50%	140%	94%	60%	130%	114%	50%	140%
Methyl Isobutyl Ketone	5291819	5291819	<1.0	<1.0	NA	< 1.0	95%	50%	140%	86%	50%	140%	106%	50%	140%
1,1,2-Trichloroethane	5291819	5291819	<0.20	<0.20	NA	< 0.20	120%	50%	140%	118%	60%	130%	99%	50%	140%
Toluene	5291819	5291819	<0.20	<0.20	NA	< 0.20	114%	50%	140%	91%	60%	130%	97%	50%	140%
Dibromochloromethane	5291819	5291819	<0.10	<0.10	NA	< 0.10	94%	50%	140%	87%	60%	130%	86%	50%	140%
Ethylene Dibromide	5291819	5291819	<0.10	<0.10	NA	< 0.10	97%	50%	140%	104%	60%	130%	117%	50%	140%
Tetrachloroethylene	5291819	5291819	<0.20	<0.20	NA	< 0.20	91%	50%	140%	107%	60%	130%	89%	50%	140%
1,1,1,2-Tetrachloroethane	5291819	5291819	<0.10	<0.10	NA	< 0.10	81%	50%	140%	87%	60%	130%	107%	50%	140%
Chlorobenzene	5291819	5291819	<0.10	<0.10	NA	< 0.10	100%	50%	140%	110%	60%	130%	109%	50%	140%
Ethylbenzene	5291819	5291819	<0.10	<0.10	NA	< 0.10	117%	50%	140%	109%	60%	130%	88%	50%	140%
m & p-Xylene	5291819	5291819	<0.20	<0.20	NA	< 0.20	100%	50%	140%	112%	60%	130%	93%	50%	140%
Bromoform	5291819	5291819	<0.10	<0.10	NA	< 0.10	67%	50%	140%	81%	60%	130%	73%	50%	140%
Styrene	5291819	5291819	<0.10	<0.10	NA	< 0.10	109%	50%	140%	110%	60%	130%	90%	50%	140%
1,1,2,2-Tetrachloroethane	5291819	5291819	<0.10	<0.10	NA	< 0.10	103%	50%	140%	110%	60%	130%	113%	50%	140%
o-Xylene	5291819	5291819	<0.10	<0.10	NA	< 0.10	114%	50%	140%	105%	60%	130%	100%	50%	140%
1,3-Dichlorobenzene	5291819	5291819	<0.10	<0.10	NA	< 0.10	94%	50%	140%	104%	60%	130%	100%	50%	140%
1,4-Dichlorobenzene	5291819	5291819	<0.10	<0.10	NA	< 0.10	96%	50%	140%	98%	60%	130%	112%	50%	140%
1,2-Dichlorobenzene	5291819	5291819	<0.10	<0.10	NA	< 0.10	107%	50%	140%	104%	60%	130%	102%	50%	140%
n-Hexane	5291819	5291819	<0.20	<0.20	NA	< 0.20	83%	50%	140%	75%	60%	130%	80%	50%	140%

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Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Sep 22, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

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

Certified By:

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

Water Analysis

RPT Date: Sep 22, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Water)															
Dissolved Antimony	5291760	5291760	<1.0	<1.0	NA	< 1.0	109%	70%	130%	112%	80%	120%	116%	70%	130%
Dissolved Arsenic	5291760	5291760	2.8	2.6	NA	< 1.0	97%	70%	130%	106%	80%	120%	112%	70%	130%
Dissolved Barium	5291760	5291760	165	164	0.6%	< 2.0	101%	70%	130%	106%	80%	120%	115%	70%	130%
Dissolved Beryllium	5291760	5291760	<0.50	<0.50	NA	< 0.50	100%	70%	130%	107%	80%	120%	111%	70%	130%
Dissolved Boron	5291760	5291760	682	664	2.7%	< 10.0	96%	70%	130%	104%	80%	120%	115%	70%	130%
Dissolved Cadmium	5291760	5291760	<0.20	<0.20	NA	< 0.20	100%	70%	130%	106%	80%	120%	114%	70%	130%
Dissolved Chromium	5291760	5291760	<2.0	<2.0	NA	< 2.0	101%	70%	130%	101%	80%	120%	94%	70%	130%
Dissolved Cobalt	5291760	5291760	3.62	4.10	12.4%	< 0.50	99%	70%	130%	105%	80%	120%	94%	70%	130%
Dissolved Copper	5291760	5291760	1.2	1.2	NA	< 1.0	100%	70%	130%	100%	80%	120%	88%	70%	130%
Dissolved Lead	5291760	5291760	<0.50	<0.50	NA	< 0.50	101%	70%	130%	103%	80%	120%	92%	70%	130%
Dissolved Molybdenum	5291760	5291760	1.72	1.80	NA	< 0.50	101%	70%	130%	107%	80%	120%	111%	70%	130%
Dissolved Nickel	5291760	5291760	3.1	2.8	NA	< 1.0	99%	70%	130%	102%	80%	120%	91%	70%	130%
Dissolved Selenium	5291760	5291760	2.6	3.3	NA	< 1.0	101%	70%	130%	108%	80%	120%	109%	70%	130%
Dissolved Silver	5291760	5291760	<0.20	<0.20	NA	< 0.20	99%	70%	130%	104%	80%	120%	76%	70%	130%
Dissolved Thallium	5291760	5291760	<0.30	<0.30	NA	< 0.30	100%	70%	130%	105%	80%	120%	96%	70%	130%
Dissolved Uranium	5291760	5291760	11.1	11.0	0.9%	< 0.50	97%	70%	130%	105%	80%	120%	101%	70%	130%
Dissolved Vanadium	5291760	5291760	0.93	1.03	NA	< 0.40	100%	70%	130%	107%	80%	120%	101%	70%	130%
Dissolved Zinc	5291760	5291760	<5.0	<5.0	NA	< 5.0	100%	70%	130%	101%	80%	120%	101%	70%	130%

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

Certified By:

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown, due to rounding of final results.

Results relate only to the items tested. Results apply to samples as received.

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

Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

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

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

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

Results relate only to the items tested. Results apply to samples as received.

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H069763

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish/ Melina Thogersen

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS

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AGAT Laboratories

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

Chain of Custody Record

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

Report Information:

Company: EXP Services INC.
Contact: Danika Durishi melina Thogersen
Address: 1266 South service Rd, Unit C1-1
Stoney Creek
Phone: 905 525-6069 Fax:
Reports to be sent to:
1. Email: Danika.Durish@exp.com
2. Email: Melina.Thogersen@exp.com

Project Information:

Project: GTR-230063 48-PA CO
Site Location: 420 & 468 South service Rd East, Oakville MT
Sampled By:
AGAT Quote #: PO GTR-230063 48-CO
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐

Company:
Contact:
Address:
Email: AP@EXP.com

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 2 *Indicate One*
☐ Ind/Com
☒ Res/Park
☐ Agriculture
Soil Texture *(Check One)*
☐ Coarse
☒ Fine

☐ Regulation 406
Table *Indicate One*

☐ Regulation 558

☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other
Indicate One

Is this submission for a Record of Site Condition? ☒ Yes ☐ No

Report Guideline on Certificate of Analysis ☑ Yes ☒ No CH

Sample Matrix Legend

GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Laboratory Use Only

Work Order #: 23H069763

Cooler Quantity: LG COOLER
Arrival Temperatures: 3.0 | 3.2 | 3.3
2.9 | 2.6 | 2.4
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: LOOSE ICE

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC Y/N	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	VOC	PAHs	PCBs	PCBs: Arochlors ☐	O. Reg 558: Landfill Disposal Characterization TCLP: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Regulation 406 SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Regulation 406 Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: ☐ Moisture ☐ Sulphide	ICPMS Metals						Potentially Hazardous or High Concentration (Y/N)
1. MW 125	Sept. 14/23	AM PM	3	GW						X								X						
2. MW 140	Sept. 14/23	AM PM	3	GW						X														
3. MW 150S	Sept. 14/23	PM PM	4	GW						X								X						
4. MW 150D	Sept. 14/23	PM PM	4	GW						X								X						
5. MW 154	Sept. 14/23	PM PM	4	GW						X								X						
6. MW 152	Sept. 14/23	PM PM	4	GW						X								X						
7. MW 201	Sept. 14/23	PM PM	4	GW						X								X						
8. MW 201I	Sept. 14/23	PM PM	4	GW						X								X						
9. MW 203	Sept. 13/23	PM PM	4	GW						X								X						
10. MW 204	Sept 13/23	PM PM	4	GW						X								X						
11. MW 2033	Sept 13/23	PM PM	4	GW						X								X						

Samples Relinquished by (Print Name and Sign):	Date	Time	Samples Received by (Print Name and Sign):	Date	Time
Charlie Hill	Sept 15/23	2:30PM		Sept 15/23	2:30pm
	Sept 15/23	3pm	Aniqa Tahir	Sep 15/23	4pm

Page 1 of 2

N°: T - 146540

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Document ID: DIV 78-1511.022

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webearth.agatlabs.com

Chain of Custody Record

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

Laboratory Use Only

Work Order #: 23H069763

Cooler Quantity: LG COOLER

Arrival Temperatures: 3.0 | 3.2 | 3.3

Custody Seal Intact: ☐Yes ☐No ☐N/A

Notes: 4 steps 11 LOOSE ICE

Report Information: Same as page 1

Company:
Contact:
Address:
Phone: Fax:
Reports to be sent to:
1. Email:
2. Email:

Project Information: Same as Page 1

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

Invoice Information: Same as page 1 Bill To Same: Yes ☐ No ☐

Company:
Contact:
Address:
Email:

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04 — Table 2 (Indicate One) — ☐Ind/Com ☒Res/Park ☐Agriculture

Soil Texture (Check One): ☐Coarse ☒Fine

☐ Regulation 406 — Table (Indicate One)

☐ Regulation 558

☐ CCME

☐ Sewer Use ☐Sanitary ☐Storm — (Region)

☐ Prov. Water Quality Objectives (PWQO)

☐ Other (Indicate One)

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

Report Guideline on Certificate of Analysis ☑ Yes ☒ No CH

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT

**TAT is exclusive of weekends and statutory holidays*

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

Sample Matrix Legend

GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & inorganics	O. Reg 153: Metals - ☐CrVI, ☐Hg, ☐HWSB	O. Reg 153: BTEX, F1-F4 PHCs	VOC	PAHs	PCBs	PCBs: Aroclors ☐	O. Reg 558: Landfill Disposal Characterization TCLP: ☐Mtl ☐VOCs ☐ABNs ☐B(a)P ☐PCBs	O. Reg 406: Regulation 406 SPLP Rainwater Leach	O. Reg 406: Regulation 406 Characterization Package	Corrosivity: ☐Moisture ☐Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. MW 314	Sept. 13/23	AM	3	GW						X								
2. MW 315	Sept. 13/23	PM	3	GW						X								
3. MW 316	Sept. 13/23	PM	3	GW						X								
4. MW 317	Sept. 13/23	AM	3	GW						X								
5. MW 324	Sept. 13/23	AM	3	GW						X								
6.																		
7.																		
8.																		
9.																		
10.																		
11.																		

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Charlie Hill	Sept 15/23	2:30PM	DTAL	Sept 15/23	2:30pm
DTAL	Sept 15/23	3pm	Aniqa Tahir	Sep 15/23	4pm

Page 2 of 2

№: T-145054

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Document ID: DW-76-1511-022

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Date Issued: May 30, 2023

AGAT Laboratories

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

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Danika Durish
PROJECT: GTR-23006348-C0
AGAT WORK ORDER: 23H083947
TRACE ORGANICS REVIEWED BY: Oksana Gushyla, Trace Organics Lab Supervisor
WATER ANALYSIS REVIEWED BY: Yris Verastegui, Inorganic Team Lead
DATE REPORTED: Oct 30, 2023
PAGES (INCLUDING COVER): 19
VERSION*: 1

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

Notes

Disclaimer:

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

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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AGAT Laboratories

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TEL (905)712-5100
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http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

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

DATE RECEIVED: 2023-10-23

DATE REPORTED: 2023-10-30

		SAMPLE DESCRIPTION:		MW125	MW140	MW150D	MW150DD	MW150S	MW152	MW153	MW154
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-10-19	2023-10-19	2023-10-19	2023-10-19	2023-10-19	2023-10-19	2023-10-19	2023-10-19
Parameter	Unit	G / S	RDL	5388863	5388866	5388867	5388869	5388870	5388871	5388872	5388873
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	1.26	<0.17	**17.7**	**22.8**	**39.3**	<0.17	<0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	0.27	0.29	0.27	<0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	1.67	<0.20	10.9	13.6	10.2	0.67	<0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	**9.50**	<0.20	<0.20	<0.20	<0.20	<0.20	3.12
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	11.0	<0.20	<0.20	<0.20	<0.20	<0.20	0.92
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	0.59	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
m & p-Xylene	µg/L		0.20	<0.20	0.87	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

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

DATE RECEIVED: 2023-10-23

DATE REPORTED: 2023-10-30

		SAMPLE DESCRIPTION:		MW125	MW140	MW150D	MW150DD	MW150S	MW152	MW153	MW154
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-10-19	2023-10-19	2023-10-19	2023-10-19	2023-10-19	2023-10-19	2023-10-19	2023-10-19
Parameter	**Unit**	**G / S**	**RDL**	**5388863**	**5388866**	**5388867**	**5388869**	**5388870**	**5388871**	**5388872**	**5388873**
Bromoform	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	<0.10	0.63	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20	1.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Hexane	µg/L	520	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**									
Toluene-d8	% Recovery	50-140		88	82	97	100	96	100	94	89
4-Bromofluorobenzene	% Recovery	50-140		80	107	82	76	76	82	71	86

Certified By:

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AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

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

DATE RECEIVED: 2023-10-23

DATE REPORTED: 2023-10-30

SAMPLE DESCRIPTION:				MW201	MW204	MW312	MW313		MW319	MW320
SAMPLE TYPE:				Water	Water	Water	Water		Water	Water
DATE SAMPLED:				2023-10-19 12:00	2023-10-19 12:00	2023-10-20	2023-10-23		2023-10-20 12:00	2023-10-20
Parameter	Unit	G / S	RDL	5388874	5388875	5388877	5388879	RDL	5388880	5388881
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	0.80	<0.80	<0.80
Vinyl Chloride	µg/L	1.7	0.17	<0.17	<0.17	**184**	<0.17	0.34	**21.9**	**6.53**
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	0.40	<0.40	<0.40
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	0.80	<0.80	<0.80
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	2.0	<2.0	<2.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30	2.69	<0.30	0.60	<0.60	1.58
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	0.60	<0.60	<0.60
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	**19.6**	<0.20	0.40	<0.40	<0.40
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	0.40	<0.40	<0.40
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	0.60	<0.60	<0.60
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	2.0	<2.0	<2.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	0.29	**883**	<0.20	0.40	14.1	5.20
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	0.40	<0.40	<0.40
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	0.40	<0.40	<0.40
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	0.60	<0.60	<0.60
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	0.40	<0.40	<0.40
Benzene	µg/L	5.0	0.20	<0.20	0.41	<0.20	<0.20	0.40	<0.40	<0.40
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	0.40	<0.40	<0.40
Trichloroethylene	µg/L	5	0.20	<0.20	<0.20	**16.4**	<0.20	0.40	0.40	2.10
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	0.40	<0.40	<0.40
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	2.0	<2.0	<2.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	0.40	<0.40	<0.40
Toluene	µg/L	24	0.20	<0.20	<0.20	<0.20	<0.20	0.40	<0.40	<0.40
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	0.20	<0.20	<0.20
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	0.20	<0.20	<0.20
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	0.40	<0.40	<0.40
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	0.20	<0.20	<0.20
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	0.20	<0.20	<0.20
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10	<0.10	<0.10	0.20	<0.20	<0.20

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

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

DATE RECEIVED: 2023-10-23

DATE REPORTED: 2023-10-30

		SAMPLE DESCRIPTION:		MW201	MW204	MW312	MW313		MW319	MW320
		SAMPLE TYPE:		Water	Water	Water	Water		Water	Water
		DATE SAMPLED:		2023-10-19 12:00	2023-10-19 12:00	2023-10-20	2023-10-23		2023-10-20 12:00	2023-10-20
Parameter	**Unit**	**G / S**	**RDL**	**5388874**	**5388875**	**5388877**	**5388879**	**RDL**	**5388880**	**5388881**
m & p-Xylene	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	0.40	<0.40	<0.40
Bromoform	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	0.20	<0.20	<0.20
Styrene	µg/L	5.4	0.10	<0.10	<0.10	<0.10	<0.10	0.20	<0.20	<0.20
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	0.20	<0.20	<0.20
o-Xylene	µg/L		0.10	<0.10	<0.10	<0.10	<0.10	0.20	<0.20	<0.20
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	<0.10	<0.10	<0.10	0.20	<0.20	<0.20
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	0.20	<0.20	<0.20
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	<0.10	<0.10	<0.10	0.20	<0.20	<0.20
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20	<0.20	<0.20	<0.20	0.20	<0.20	<0.20
n-Hexane	µg/L	520	0.20	<0.20	<0.20	<0.20	<0.20	0.40	<0.40	<0.40
Surrogate	**Unit**	**Acceptable Limits**								
Toluene-d8	% Recovery	50-140		95	98	100	91	**2**	99	95
4-Bromofluorobenzene	% Recovery	50-140		79	76	72	103	**2**	74	78

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

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

DATE RECEIVED: 2023-10-23 **DATE REPORTED: 2023-10-30**

		SAMPLE DESCRIPTION:		MW323	MW325	MW326	MW327	MW3277	MW328	Trip Blank	Trip Blank
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-10-20	2023-10-20	2023-10-23	2023-10-20	2023-10-20	2023-10-20		
Parameter	Unit	G / S	RDL	5388882	5388893	5388894	5388895	5388897	5388898	5388899	5388902
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	<0.17	**25.7**	<0.17	1.18	1.18	<0.17	<0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	0.85	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	3.13	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	**186**	<0.20	12.4	12.5	<0.20	<0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20	2.52	<0.20	1.51	1.54	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
m & p-Xylene	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

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

DATE RECEIVED: 2023-10-23 **DATE REPORTED: 2023-10-30**

		SAMPLE DESCRIPTION:		MW323	MW325	MW326	MW327	MW3277	MW328	Trip Blank	Trip Blank
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-10-20	2023-10-20	2023-10-23	2023-10-20	2023-10-20	2023-10-20		
Parameter	**Unit**	**G / S**	**RDL**	**5388882**	**5388893**	**5388894**	**5388895**	**5388897**	**5388898**	**5388899**	**5388902**
Bromoform	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Hexane	µg/L	520	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**									
Toluene-d8	% Recovery	50-140		98	98	99	103	98	100	100	97
4-Bromofluorobenzene	% Recovery	50-140		71	74	75	72	96	72	76	110

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5388863-5388879 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

5388880-5388881 Dilution factor=2
VOC-The sample was diluted because it was foamy. The reporting detection limit has been corrected for the dilution factor used.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

5388882-5388902 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2023-10-23

DATE REPORTED: 2023-10-30

		SAMPLE DESCRIPTION:		MW150D	MW150DD	MW150S	MW152	MW153	MW154	MW201	MW204
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-10-19	2023-10-19	2023-10-19	2023-10-19	2023-10-19	2023-10-19	2023-10-19 12:00	2023-10-19 12:00
Parameter	**Unit**	**G / S**	**RDL**	**5388867**	**5388869**	**5388870**	**5388871**	**5388872**	**5388873**	**5388874**	**5388875**
Dissolved Antimony	µg/L	6	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0	<1.0	<1.0	2.4	1.1	4.4	16.3	1.7	1.8
Dissolved Barium	µg/L	1000	2.0	53.5	53.2	144	14.6	69.5	201	72.1	164
Dissolved Beryllium	µg/L	4	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	5000	10.0	910	915	515	168	279	206	2590	1410
Dissolved Cadmium	µg/L	2.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	50	2.0	<2.0	<2.0	<2.0	<2.0	2.2	<2.0	<2.0	<2.0
Dissolved Cobalt	µg/L	3.8	0.50	<0.50	<0.50	3.43	<0.50	**3.87**	**16.5**	<0.50	<0.50
Dissolved Copper	µg/L	87	1.0	<1.0	<1.0	<1.0	6.1	2.2	<1.0	2.2	<1.0
Dissolved Lead	µg/L	10	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50	<0.50	<0.50	2.22	15.4	10.5	3.60	2.32	0.58
Dissolved Nickel	µg/L	100	1.0	<1.0	<1.0	2.5	<1.0	3.1	9.3	<1.0	<1.0
Dissolved Selenium	µg/L	10	1.0	<1.0	<1.0	<1.0	<1.0	1.5	2.6	**13.9**	9.0
Dissolved Silver	µg/L	1.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	2	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	20	0.50	<0.50	<0.50	11.4	0.80	4.58	2.28	<0.50	<0.50
Dissolved Vanadium	µg/L	6.2	0.40	<0.40	<0.40	0.60	0.99	1.21	1.98	0.42	<0.40
Dissolved Zinc	µg/L	1100	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Certified By: Iris Verástegui

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Certificate of Analysis

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2023-10-23

DATE REPORTED: 2023-10-30

		SAMPLE DESCRIPTION:		MW323	MW323D	MW327	MW328
		SAMPLE TYPE:		Water	Water	Water	Water
		DATE SAMPLED:		2023-10-20	2023-10-20	2023-10-20	2023-10-20
Parameter	Unit	G / S	RDL	5388882	5388883	5388895	5388898
Dissolved Antimony	µg/L	6	1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0	<1.0	1.2	<1.0	4.1
Dissolved Barium	µg/L	1000	2.0	52.3	53.7	12.1	54.3
Dissolved Beryllium	µg/L	4	0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	5000	10.0	177	176	247	177
Dissolved Cadmium	µg/L	2.7	0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	50	2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Cobalt	µg/L	3.8	0.50	1.70	1.91	<0.50	2.66
Dissolved Copper	µg/L	87	1.0	5.3	6.0	2.0	2.2
Dissolved Lead	µg/L	10	0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50	<0.50	0.63	2.42	3.14
Dissolved Nickel	µg/L	100	1.0	2.6	3.3	<1.0	2.6
Dissolved Selenium	µg/L	10	1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Silver	µg/L	1.5	0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	2	0.30	<0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	20	0.50	3.28	3.32	2.21	7.55
Dissolved Vanadium	µg/L	6.2	0.40	1.23	1.66	<0.40	1.28
Dissolved Zinc	µg/L	1100	5.0	<5.0	8.6	<5.0	8.8

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5388867-5388898 Metals analysis completed on a filtered sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Iris Verástegui

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Exceedance Summary

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Danika Durish

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
5388866	MW140	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Benzene	µg/L	5.0	9.50
5388867	MW150D	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	17.7
5388869	MW150DD	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	22.8
5388870	MW150S	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	39.3
5388872	MW153	ON T2 PGW MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Water)	Dissolved Cobalt	µg/L	3.8	3.87
5388873	MW154	ON T2 PGW MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Water)	Dissolved Cobalt	µg/L	3.8	16.5
5388874	MW201	ON T2 PGW MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Water)	Dissolved Selenium	µg/L	10	13.9
5388877	MW312	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Trichloroethylene	µg/L	5	16.4
5388877	MW312	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	184
5388877	MW312	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	883
5388877	MW312	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	trans- 1,2-Dichloroethylene	µg/L	17	19.6
5388880	MW319	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	21.9
5388881	MW320	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	6.53
5388893	MW325	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	25.7
5388893	MW325	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	186

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Quality Assurance

CLIENT NAME: EXP SERVICES INC
AGAT WORK ORDER: 23H083947
PROJECT: GTR-23006348-C0
ATTENTION TO: Danika Durish
SAMPLING SITE:South Service Rd. E.
SAMPLED BY:MH/CH

Trace Organics Analysis

RPT Date: Oct 30, 2023

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	DUPLICATE Dup #2	DUPLICATE RPD	Method Blank	REFERENCE MATERIAL Measured Value	REFERENCE MATERIAL Acceptable Limits Lower	REFERENCE MATERIAL Acceptable Limits Upper	METHOD BLANK SPIKE Recovery	METHOD BLANK SPIKE Acceptable Limits Lower	METHOD BLANK SPIKE Acceptable Limits Upper	MATRIX SPIKE Recovery	MATRIX SPIKE Acceptable Limits Lower	MATRIX SPIKE Acceptable Limits Upper
O. Reg. 153(511) - VOCs (Water)															
Dichlorodifluoromethane	5388898	5388898	<0.40	<0.40	NA	< 0.40	71%	50%	140%	71%	50%	140%	86%	50%	140%
Vinyl Chloride	5388898	5388898	<0.17	<0.17	NA	< 0.17	101%	50%	140%	84%	50%	140%	104%	50%	140%
Bromomethane	5388898	5388898	<0.20	<0.20	NA	< 0.20	96%	50%	140%	80%	50%	140%	80%	50%	140%
Trichlorofluoromethane	5388898	5388898	<0.40	<0.40	NA	< 0.40	87%	50%	140%	78%	50%	140%	98%	50%	140%
Acetone	5388898	5388898	<1.0	<1.0	NA	< 1.0	92%	50%	140%	92%	50%	140%	81%	50%	140%
1,1-Dichloroethylene	5388898	5388898	<0.30	<0.30	NA	< 0.30	82%	50%	140%	77%	60%	130%	89%	50%	140%
Methylene Chloride	5388898	5388898	<0.30	<0.30	NA	< 0.30	101%	50%	140%	95%	60%	130%	114%	50%	140%
trans- 1,2-Dichloroethylene	5388898	5388898	<0.20	<0.20	NA	< 0.20	89%	50%	140%	79%	60%	130%	88%	50%	140%
Methyl tert-butyl ether	5388898	5388898	<0.20	<0.20	NA	< 0.20	89%	50%	140%	117%	60%	130%	111%	50%	140%
1,1-Dichloroethane	5388898	5388898	<0.30	<0.30	NA	< 0.30	89%	50%	140%	85%	60%	130%	99%	50%	140%
Methyl Ethyl Ketone	5388898	5388898	<1.0	<1.0	NA	< 1.0	110%	50%	140%	96%	50%	140%	109%	50%	140%
cis- 1,2-Dichloroethylene	5388898	5388898	<0.20	<0.20	NA	< 0.20	89%	50%	140%	80%	60%	130%	102%	50%	140%
Chloroform	5388898	5388898	<0.20	<0.20	NA	< 0.20	106%	50%	140%	80%	60%	130%	102%	50%	140%
1,2-Dichloroethane	5388898	5388898	<0.20	<0.20	NA	< 0.20	105%	50%	140%	93%	60%	130%	102%	50%	140%
1,1,1-Trichloroethane	5388898	5388898	<0.30	<0.30	NA	< 0.30	99%	50%	140%	90%	60%	130%	104%	50%	140%
Carbon Tetrachloride	5388898	5388898	<0.20	<0.20	NA	< 0.20	92%	50%	140%	88%	60%	130%	105%	50%	140%
Benzene	5388898	5388898	<0.20	<0.20	NA	< 0.20	106%	50%	140%	96%	60%	130%	114%	50%	140%
1,2-Dichloropropane	5388898	5388898	<0.20	<0.20	NA	< 0.20	107%	50%	140%	92%	60%	130%	115%	50%	140%
Trichloroethylene	5388898	5388898	<0.20	<0.20	NA	< 0.20	91%	50%	140%	82%	60%	130%	110%	50%	140%
Bromodichloromethane	5388898	5388898	<0.20	<0.20	NA	< 0.20	96%	50%	140%	88%	60%	130%	118%	50%	140%
Methyl Isobutyl Ketone	5388898	5388898	<1.0	<1.0	NA	< 1.0	110%	50%	140%	110%	50%	140%	85%	50%	140%
1,1,2-Trichloroethane	5388898	5388898	<0.20	<0.20	NA	< 0.20	100%	50%	140%	91%	60%	130%	93%	50%	140%
Toluene	5388898	5388898	<0.20	<0.20	NA	< 0.20	91%	50%	140%	87%	60%	130%	94%	50%	140%
Dibromochloromethane	5388898	5388898	<0.10	<0.10	NA	< 0.10	102%	50%	140%	95%	60%	130%	105%	50%	140%
Ethylene Dibromide	5388898	5388898	<0.10	<0.10	NA	< 0.10	117%	50%	140%	105%	60%	130%	109%	50%	140%
Tetrachloroethylene	5388898	5388898	<0.20	<0.20	NA	< 0.20	90%	50%	140%	85%	60%	130%	82%	50%	140%
1,1,1,2-Tetrachloroethane	5388898	5388898	<0.10	<0.10	NA	< 0.10	89%	50%	140%	81%	60%	130%	99%	50%	140%
Chlorobenzene	5388898	5388898	<0.10	<0.10	NA	< 0.10	93%	50%	140%	85%	60%	130%	93%	50%	140%
Ethylbenzene	5388898	5388898	<0.10	<0.10	NA	< 0.10	118%	50%	140%	108%	60%	130%	99%	50%	140%
m & p-Xylene	5388898	5388898	<0.20	<0.20	NA	< 0.20	109%	50%	140%	113%	60%	130%	98%	50%	140%
Bromoform	5388898	5388898	<0.10	<0.10	NA	< 0.10	91%	50%	140%	105%	60%	130%	98%	50%	140%
Styrene	5388898	5388898	<0.10	<0.10	NA	< 0.10	115%	50%	140%	97%	60%	130%	118%	50%	140%
1,1,2,2-Tetrachloroethane	5388898	5388898	<0.10	<0.10	NA	< 0.10	92%	50%	140%	78%	60%	130%	89%	50%	140%
o-Xylene	5388898	5388898	<0.10	<0.10	NA	< 0.10	115%	50%	140%	106%	60%	130%	94%	50%	140%
1,3-Dichlorobenzene	5388898	5388898	<0.10	<0.10	NA	< 0.10	104%	50%	140%	95%	60%	130%	102%	50%	140%
1,4-Dichlorobenzene	5388898	5388898	<0.10	<0.10	NA	< 0.10	106%	50%	140%	96%	60%	130%	102%	50%	140%
1,2-Dichlorobenzene	5388898	5388898	<0.10	<0.10	NA	< 0.10	102%	50%	140%	89%	60%	130%	101%	50%	140%
n-Hexane	5388898	5388898	<0.20	<0.20	NA	< 0.20	100%	50%	140%	118%	60%	130%	80%	50%	140%

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown, due to rounding of final results.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

Trace Organics Analysis (Continued)

RPT Date: Oct 30, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

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

Certified By:

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

Water Analysis

RPT Date: Oct 30, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Water)															
Dissolved Antimony	5388867	5388867	<1.0	<1.0	NA	< 1.0	111%	70%	130%	108%	80%	120%	107%	70%	130%
Dissolved Arsenic	5388867	5388867	<1.0	<1.0	NA	< 1.0	102%	70%	130%	103%	80%	120%	108%	70%	130%
Dissolved Barium	5388867	5388867	53.5	54.0	0.9%	< 2.0	108%	70%	130%	100%	80%	120%	102%	70%	130%
Dissolved Beryllium	5388867	5388867	<0.50	<0.50	NA	< 0.50	105%	70%	130%	108%	80%	120%	97%	70%	130%
Dissolved Boron	5388867	5388867	910	882	3.1%	< 10.0	104%	70%	130%	109%	80%	120%	97%	70%	130%
Dissolved Cadmium	5388867	5388867	<0.20	<0.20	NA	< 0.20	100%	70%	130%	101%	80%	120%	100%	70%	130%
Dissolved Chromium	5388867	5388867	<2.0	<2.0	NA	< 2.0	98%	70%	130%	99%	80%	120%	107%	70%	130%
Dissolved Cobalt	5388867	5388867	<0.50	<0.50	NA	< 0.50	101%	70%	130%	103%	80%	120%	104%	70%	130%
Dissolved Copper	5388867	5388867	<1.0	<1.0	NA	< 1.0	98%	70%	130%	99%	80%	120%	96%	70%	130%
Dissolved Lead	5388867	5388867	<0.50	<0.50	NA	< 0.50	106%	70%	130%	98%	80%	120%	93%	70%	130%
Dissolved Molybdenum	5388867	5388867	<0.50	<0.50	NA	< 0.50	102%	70%	130%	104%	80%	120%	110%	70%	130%
Dissolved Nickel	5388867	5388867	<1.0	<1.0	NA	< 1.0	99%	70%	130%	100%	80%	120%	99%	70%	130%
Dissolved Selenium	5388867	5388867	<1.0	1.4	NA	< 1.0	106%	70%	130%	103%	80%	120%	107%	70%	130%
Dissolved Silver	5388867	5388867	<0.20	<0.20	NA	< 0.20	99%	70%	130%	101%	80%	120%	87%	70%	130%
Dissolved Thallium	5388867	5388867	<0.30	<0.30	NA	< 0.30	106%	70%	130%	99%	80%	120%	95%	70%	130%
Dissolved Uranium	5388867	5388867	<0.50	<0.50	NA	< 0.50	105%	70%	130%	102%	80%	120%	104%	70%	130%
Dissolved Vanadium	5388867	5388867	<0.40	<0.40	NA	< 0.40	102%	70%	130%	104%	80%	120%	110%	70%	130%
Dissolved Zinc	5388867	5388867	<5.0	<5.0	NA	< 5.0	100%	70%	130%	101%	80%	120%	100%	70%	130%

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

Certified By: Iris Verástegui

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Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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

Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

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

Results relate only to the items tested. Results apply to samples as received.

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

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

Results relate only to the items tested. Results apply to samples as received.

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CANADA L4Z 1Y2
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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 23H083947

PROJECT: GTR-23006348-C0

ATTENTION TO: Danika Durish

SAMPLING SITE:South Service Rd. E.

SAMPLED BY:MH/CH

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS

Results relate only to the items tested. Results apply to samples as received.

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Ph: 905.712.5100 Fax: 905.712.5122
webearth.agatlabs.com

Chain of Custody Record

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

Report Information:

Company: EXP Services Inc
Contact: Danika Durish
Address: 1266 South Service Rd, Suite C1-1
Stoney Creek, ON
Phone: ____ Fax: ____
Reports to be sent to:
1. Email: danika.durish@exp.com
2. Email: martin.hluchaniuk@exp.com

Project Information:

Project: GTR-230063348-CO
Site Location: South Service Rd. E.
Sampled By: MH/CH
AGAT Quote #: Standing Offer PO: GTR-230063348-CO
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☒
Company: EXP Services Inc.
Contact: AP
Address:
Email: AP@exp.com

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☒ Fine
☐ Regulation 406 — Table (Indicate One)
☐ Regulation 558
☐ CCME
☐ Sewer Use ☐ Sanitary ☐ Storm — Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other (Indicate One)

Is this submission for a Record of Site Condition? ☒ Yes ☐ No

Report Guideline on Certificate of Analysis ☐ Yes ☒ No

Laboratory Use Only

Work Order #: 23H083947
Cooler Quantity: 1 LARGE
Arrival Temperatures: 2.5 | 2.8 | 3.0
1.5 | 1.9 | 1.6
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: Free ice

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply) ☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply): ____
Please provide prior notification for rush TAT
*TAT is exclusive of weekends and statutory holidays
For 'Same Day' analysis, please contact your AGAT CPM

Sample Matrix Legend

GW Ground Water
O Oil
P Paint
S Soil
SD Sediment
SW Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered (Y/N)	O. Reg 153: Metals & Inorganics (Field Filtered - Metals, Hg, CrVI, DOC)	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	VOC	PAHs	PCBs	PCBs: Aroclors ☐	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ BaP ☐ PCBs	O. Reg 406: Regulation 406 SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Regulation 406 Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. MW125	Oct. 19/23	AM	3	GW						X								
2. MW140			3							X								
3. MW150D			4			X	X			X								
4. MW150DD			4			X	X			X								
5. MW150S			4			X	X			X								
6. MW152			4			X	X			X								
7. MW153			4			X	X			X								
8. MW154		↓	4			X	X			X								
9. MW201		PM	4			X	X			X								
10. MW204	↓	↓	4	↓		X	X			X								
11. MW312	Oct. 20/23	AM	3							X								

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Martin Hluchaniuk	Oct. 23/23	2:30pm	Chris Tahmo	10/24/23	2:50pm
Chris Tahmo	10/23/23	3pm	Rhianee	Oct-23	427

Page 1 of 3
N°: T-149197

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webearth.agatlabs.com

Chain of Custody Record

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

Laboratory Use Only
Work Order #: 23H083947
Cooler Quantity: 1 LARGE
Arrival Temperatures: 2.5 | 2.8 | 3.0
1.5 | 1.9 | 1.6
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: free ice

Report Information:
Company:
Contact:
Address: SAME PAGE 1
Phone: Fax:
Reports to be sent to:
1. Email:
2. Email:

Project Information:
Project: SAME PAGE 1
Site Location:
Sampled By:
AGAT Quote #: PO:
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:
Bill To Same: Yes ☐ No ☐
Company: SAME PAGE 1
Contact:
Address:
Email:

Regulatory Requirements:
(Please check all applicable boxes)

☒ Regulation 153/04
Table 2 (Indicate One)
☐ Ind/Comm
☒ Res/Park
☐ Agriculture
Soil Texture (Check One)
☐ Coarse
☒ Fine

☐ Regulation 406
Table (Indicate One)
☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
(Region)
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
(Indicate One)

Is this submission for a Record of Site Condition? ☒ Yes ☐ No

Report Guideline on Certificate of Analysis ☐ Yes ☒ No

Turnaround Time (TAT) Required:
Regular TAT ☒ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CPM

Sample Matrix Legend
GW Ground Water
O Oil
P Paint
S Soil
SD Sediment
SW Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: VOC	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: PCBs: Aroclors ☐	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Regulation 406 SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Regulation 406 Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Sulphide ☐	Corrosivity ☐ Moisture	Potentially Hazardous or High Concentration (Y/N)
1. MW313	Oct. 23/23	AM	3	GW						X									
2. MW319	Oct. 20/23	PM	3							X									
3. MW320	↓	AM	3							X									
4. MW323			4			X	X			X									
5. MW323D			1			X	X												
6. MW325	↓		3							X									
7. MW326	Oct. 23/23		3							X									
8. MW327	Oct. 20/23		4			X	X			X									
9. MW3277	↓		3							X									
10. MW328	↓	↓	4			X	X			X									
11. Trip Blank	–	–	3							X									

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Martin Hlushanick M. Hlushanick	Oct. 23/23	2:30pm	Chris Tolve	14/23/23	3:50pm
Chris Tolve	14/23/23	3pm	Rhiano C	Oct 23	427

Page 2 of 3
№: T-147631

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Date Issued: Mar 30, 2023

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webearth.agatlabs.com

Chain of Custody Record

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

Report Information:

Company:
Contact:
Address: SAME PAGE 1
Phone: Fax:
Reports to be sent to:
1. Email:
2. Email:

Project Information:

Project: SAME PAGE 1
Site Location:
Sampled By:
AGAT Quote #: PO:
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐
Company: SAME PAGE 1
Contact:
Address:
Email:

Regulatory Requirements:

(Please check all applicable boxes)

- ☒ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture — Soil Texture (Check One): ☐ Coarse ☒ Fine
- ☐ Regulation 406 — Table (Indicate One)
- ☐ Regulation 558
- ☐ CCME
- ☐ Sewer Use ☐ Sanitary ☐ Storm — Region
- ☐ Prov. Water Quality Objectives (PWQO)
- ☐ Other — Indicate One

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

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

Laboratory Use Only

Work Order #: 23H083947
Cooler Quantity: 1 LARGE
Arrival Temperatures: 2.5 | 2.8 | 3.0 | 1.9 | 1.1 | 1.6
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: free ice

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CPM

Sample Matrix Legend

GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

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

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Martin Hluchanyk	Oct.23/23	2:30pm	Chris Taber	10/23/23	2:50pm
Chris Taber	10/23/23	3pm	Rhiana C	Oct 23	4:27

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N°: T-149204

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Document ID: DRV-TH-1511-032
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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Jennifer Hayman
PROJECT: GTR-23006348-E1
AGAT WORK ORDER: 24H167490
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
WATER ANALYSIS REVIEWED BY: Nivine Basily, Inorganic Team Lead
DATE REPORTED: Jul 05, 2024
PAGES (INCLUDING COVER): 21
VERSION*: 1

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

Notes

Disclaimer:

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

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Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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AGAT Laboratories

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CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-06-27

DATE REPORTED: 2024-07-05

				SAMPLE DESCRIPTION:	MW140	MW154
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2024-06-25 10:00	2024-06-25 10:30
Parameter	**Unit**	**G / S**	**RDL**		**5966444**	**5966458**
Benzene	µg/L	5.0	0.20		4.57	<0.20
Toluene	µg/L	24	0.20		7.33	<0.20
Ethylbenzene	µg/L	2.4	0.10		0.34	<0.10
m & p-Xylene	µg/L		0.20		0.54	<0.20
o-Xylene	µg/L		0.10		0.53	<0.10
Xylenes (Total)	µg/L	300	0.20		1.07	<0.20
Surrogate	**Unit**	**Acceptable Limits**				
Toluene-d8	% Recovery	50-140			86	96
4-Bromofluorobenzene	% Recovery	50-140			100	90

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5966444-5966458 Results relate only to the items tested.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-06-27

DATE REPORTED: 2024-07-05

		SAMPLE DESCRIPTION:		MW126
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2024-06-26 09:00
Parameter	**Unit**	**G / S**	**RDL**	**5966400**
Naphthalene	µg/L	11	0.20	0.22
Acenaphthylene	µg/L	1	0.20	0.56
Acenaphthene	µg/L	4.1	0.20	2.22
Fluorene	µg/L	120	0.20	2.78
Phenanthrene	µg/L	1	0.10	**2.11**
Anthracene	µg/L	2.4	0.10	<0.10
Fluoranthene	µg/L	0.41	0.20	<0.20
Pyrene	µg/L	4.1	0.20	<0.20
Benzo(a)anthracene	µg/L	1	0.20	<0.20
Chrysene	µg/L	0.1	0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.1	0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.1	0.10	<0.10
Benzo(a)pyrene	µg/L	0.01	0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.2	0.20	<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20	<0.20
2-and 1-methyl Napthalene	µg/L	3.2	0.20	**79.0**
Sediment				1
Surrogate	**Unit**	**Acceptable Limits**		
Naphthalene-d8	%	50-140		90
Acridine-d9	%	50-140		69
Terphenyl-d14	%	50-140		79

Certified By: N Popnikolof

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AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-06-27 **DATE REPORTED: 2024-07-05**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5966400 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&(j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

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Certified By: N Popnikolof

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AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-06-27

DATE REPORTED: 2024-07-05

				SAMPLE DESCRIPTION:	MW126
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2024-06-26 09:00
Parameter	**Unit**	**G / S**	**RDL**	**5966400**	
Benzene	µg/L	5.0	0.20	<0.20	
Toluene	µg/L	24	0.20	<0.20	
Ethylbenzene	µg/L	2.4	0.10	<0.10	
m & p-Xylene	µg/L		0.20	<0.20	
o-Xylene	µg/L		0.10	<0.10	
Xylenes (Total)	µg/L	300	0.20	<0.20	
F1 (C6 to C10)	µg/L	750	25	28	
F1 (C6 to C10) minus BTEX	µg/L	750	25	28	
F2 (C10 to C16)	µg/L	150	100	**514**	
F2 (C10 to C16) minus Naphthalene	µg/L		100	514	
F3 (C16 to C34)	µg/L	500	100	<100	
F3 (C16 to C34) minus PAHs	µg/L		100	<100	
F4 (C34 to C50)	µg/L	500	100	<100	
Gravimetric Heavy Hydrocarbons	µg/L		500	NA	
Sediment				1	
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	% Recovery	60-140		87	
Terphenyl	% Recovery	60-140		86	

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-06-27 **DATE REPORTED: 2024-07-05**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5966400 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
The C6-C10 fraction is calculated using toluene response factor.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-06-27 **DATE REPORTED: 2024-07-05**

SAMPLE DESCRIPTION:				MW125	MW132D	MW132D-1	MW150S	MW150D	MW152	TRIP BLANK
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2024-06-24 09:00	2024-06-24 10:30	2024-06-24 11:00	2024-06-24 09:30	2024-06-24 10:00	2024-06-24 10:30	2024-06-24 11:00
Parameter	Unit	G / S	RDL	5966396	5966424	5966437	5966447	5966448	5966449	5966482
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	0.89	<0.17	<0.17	**21.2**	**23.7**	<0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	13.0	<0.20	<0.20	3.50	**19.2**	<0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-06-27

DATE REPORTED: 2024-07-05

				SAMPLE DESCRIPTION:	MW125	MW132D	MW132D-1	MW150S	MW150D	MW152	TRIP BLANK
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2024-06-24 09:00	2024-06-24 10:30	2024-06-24 11:00	2024-06-24 09:30	2024-06-24 10:00	2024-06-24 10:30	2024-06-24 11:00
Parameter	**Unit**	**G / S**	**RDL**		**5966396**	**5966424**	**5966437**	**5966447**	**5966448**	**5966449**	**5966482**
m & p-Xylene	µg/L		0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	µg/L	25	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Hexane	µg/L	520	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**									
Toluene-d8	% Recovery	50-140			90	95	92	93	96	99	100
4-Bromofluorobenzene	% Recovery	50-140			76	81	80	84	84	83	83

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5966396-5966482 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2024-06-27

DATE REPORTED: 2024-07-05

		SAMPLE DESCRIPTION:		MW125	MW126	MW131	MW132S	MW132D	MW133	MW137	MW139
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-06-24 09:00	2024-06-26 09:00	2024-06-26 09:00	2024-06-26 10:00	2024-06-24 10:30	2024-06-26 11:30	2024-06-26 12:00	2024-06-26 12:30
Parameter	Unit	G / S	RDL	5966396	5966400	5966419	5966420	5966424	5966439	5966440	5966441
Dissolved Antimony	µg/L	6	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0	3.7	6.6	10.5	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Barium	µg/L	1000	2.0	148	135	93.4	20.5	24.1	109	46.8	71.5
Dissolved Beryllium	µg/L	4	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	5000	10.0	171	121	291	67.6	3820	113	142	155
Dissolved Cadmium	µg/L	2.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	50	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.7	<2.0
Dissolved Cobalt	µg/L	3.8	0.50	0.58	1.55	**6.29**	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Copper	µg/L	87	1.0	1.4	<1.0	<1.0	5.4	<1.0	4.2	42.0	19.6
Dissolved Lead	µg/L	10	0.50	<0.50	<0.50	<0.50	<0.50	0.53	<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50	5.06	23.5	34.0	2.05	1.18	2.38	1.28	1.56
Dissolved Nickel	µg/L	100	1.0	1.3	1.6	1.8	<1.0	2.0	<1.0	3.7	<1.0
Dissolved Selenium	µg/L	10	1.0	<1.0	1.5	<1.0	<1.0	1.8	4.5	<1.0	2.0
Dissolved Silver	µg/L	1.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	2	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	20	0.50	3.81	1.00	1.48	1.47	<0.50	3.37	7.35	12.6
Dissolved Vanadium	µg/L	6.2	0.40	1.08	0.46	0.58	0.42	<0.40	<0.40	0.50	2.04
Dissolved Zinc	µg/L	1100	5.0	6.4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2024-06-27

DATE REPORTED: 2024-07-05

		SAMPLE DESCRIPTION:		MW139-1	MW142	MW153	MW154	MW155	MW201	MW203	MW205
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-06-26 13:00	2024-06-26 13:30	2024-06-24 11:00	2024-06-25 10:30	2024-06-24 11:30	2024-06-24 12:00	2024-06-26 14:00	2024-06-26 14:30
Parameter	**Unit**	**G / S**	**RDL**	**5966442**	**5966445**	**5966454**	**5966458**	**5966473**	**5966474**	**5966475**	**5966479**
Dissolved Antimony	µg/L	6	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0	<1.0	1.4	<1.0	2.7	<1.0	<1.0	<1.0	1.7
Dissolved Barium	µg/L	1000	2.0	71.2	32.9	57.2	95.9	46.6	58.5	26.4	69.4
Dissolved Beryllium	µg/L	4	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	5000	10.0	155	163	171	104	53.7	498	4610	3210
Dissolved Cadmium	µg/L	2.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	50	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Cobalt	µg/L	3.8	0.50	<0.50	<0.50	1.20	1.22	<0.50	0.79	<0.50	<0.50
Dissolved Copper	µg/L	87	1.0	19.0	<1.0	9.8	<1.0	3.9	<1.0	<1.0	5.3
Dissolved Lead	µg/L	10	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50	1.34	5.10	2.46	4.96	4.65	3.88	1.91	16.7
Dissolved Nickel	µg/L	100	1.0	1.2	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	3.7
Dissolved Selenium	µg/L	10	1.0	1.6	<1.0	<1.0	<1.0	<1.0	3.8	2.4	8.6
Dissolved Silver	µg/L	1.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	2	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	20	0.50	13.3	2.53	3.72	2.68	1.83	0.88	<0.50	0.72
Dissolved Vanadium	µg/L	6.2	0.40	2.35	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Dissolved Zinc	µg/L	1100	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	10.0

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5966396-5966479 Metals analysis completed on a filtered sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

5835 COOPERS AVENUE
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http://www.agatlabs.com

Exceedance Summary

AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
5966400	MW126	ON T2 PGW MFT	O. Reg. 153(511) - PAHs (Water)	2-and 1-methyl Napthalene	µg/L	3.2	79.0
5966400	MW126	ON T2 PGW MFT	O. Reg. 153(511) - PAHs (Water)	Phenanthrene	µg/L	1	2.11
5966400	MW126	ON T2 PGW MFT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs) (Water)	F2 (C10 to C16)	µg/L	150	514
5966400	MW126	ON T2 PGW MFT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs) (Water)	Phenanthrene	µg/L	1	2.11
5966419	MW131	ON T2 PGW MFT	O. Reg. 153(511) - Metals (Including Hydrides) (Water)	Dissolved Cobalt	µg/L	3.8	6.29
5966447	MW150S	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	21.2
5966448	MW150D	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	23.7
5966448	MW150D	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	19.2

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

Trace Organics Analysis

RPT Date: Jul 05, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs) (Water)															
Benzene	5961953		<0.20	<0.20	NA	< 0.20	85%	60%	140%	92%	60%	140%	86%	60%	140%
Toluene	5961953		<0.20	<0.20	NA	< 0.20	108%	60%	140%	105%	60%	140%	99%	60%	140%
Ethylbenzene	5961953		<0.10	<0.10	NA	< 0.10	102%	60%	140%	95%	60%	140%	92%	60%	140%
m & p-Xylene	5961953		<0.20	<0.20	NA	< 0.20	108%	60%	140%	102%	60%	140%	92%	60%	140%
o-Xylene	5961953		<0.10	<0.10	NA	< 0.10	93%	60%	140%	97%	60%	140%	109%	60%	140%
F1 (C6 to C10)	5961953		<25	<25	NA	< 25	90%	60%	140%	88%	60%	140%	94%	60%	140%
F2 (C10 to C16)	5962590		672	556	18.9%	< 100	118%	60%	140%	62%	60%	140%	70%	60%	140%
F3 (C16 to C34)	5962590		2190	2060	6.1%	< 100	119%	60%	140%	64%	60%	140%	69%	60%	140%
F4 (C34 to C50)	5962590		< 100	< 100	NA	< 100	95%	60%	140%	79%	60%	140%	83%	60%	140%
O. Reg. 153(511) - PAHs (Water)															
Naphthalene	5969658		<0.20	<0.20	NA	< 0.20	89%	50%	140%	74%	50%	140%	89%	50%	140%
Acenaphthylene	5969658		<0.20	<0.20	NA	< 0.20	92%	50%	140%	75%	50%	140%	78%	50%	140%
Acenaphthene	5969658		<0.20	<0.20	NA	< 0.20	83%	50%	140%	71%	50%	140%	78%	50%	140%
Fluorene	5969658		<0.20	<0.20	NA	< 0.20	86%	50%	140%	75%	50%	140%	85%	50%	140%
Phenanthrene	5969658		<0.10	<0.10	NA	< 0.10	85%	50%	140%	76%	50%	140%	87%	50%	140%
Anthracene	5969658		<0.10	<0.10	NA	< 0.10	72%	50%	140%	67%	50%	140%	64%	50%	140%
Fluoranthene	5969658		<0.20	<0.20	NA	< 0.20	86%	50%	140%	76%	50%	140%	81%	50%	140%
Pyrene	5969658		<0.20	<0.20	NA	< 0.20	82%	50%	140%	72%	50%	140%	70%	50%	140%
Benzo(a)anthracene	5969658		<0.20	<0.20	NA	< 0.20	75%	50%	140%	69%	50%	140%	82%	50%	140%
Chrysene	5969658		<0.10	<0.10	NA	< 0.10	96%	50%	140%	74%	50%	140%	85%	50%	140%
Benzo(b)fluoranthene	5969658		<0.10	<0.10	NA	< 0.10	72%	50%	140%	77%	50%	140%	79%	50%	140%
Benzo(k)fluoranthene	5969658		<0.10	<0.10	NA	< 0.10	83%	50%	140%	97%	50%	140%	114%	50%	140%
Benzo(a)pyrene	5969658		<0.01	<0.01	NA	< 0.01	75%	50%	140%	72%	50%	140%	89%	50%	140%
Indeno(1,2,3-cd)pyrene	5969658		<0.20	<0.20	NA	< 0.20	71%	50%	140%	81%	50%	140%	85%	50%	140%
Dibenz(a,h)anthracene	5969658		<0.20	<0.20	NA	< 0.20	74%	50%	140%	76%	50%	140%	74%	50%	140%
Benzo(g,h,i)perylene	5969658		<0.20	<0.20	NA	< 0.20	74%	50%	140%	74%	50%	140%	72%	50%	140%

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

O. Reg. 153(511) - VOCs (Water)															
Dichlorodifluoromethane	5966856		<0.40	<0.40	NA	< 0.40	115%	50%	140%	88%	50%	140%	80%	50%	140%
Vinyl Chloride	5966856		<0.17	<0.17	NA	< 0.17	94%	50%	140%	107%	50%	140%	109%	50%	140%
Bromomethane	5966856		<0.20	<0.20	NA	< 0.20	97%	50%	140%	93%	50%	140%	98%	50%	140%
Trichlorofluoromethane	5966856		<0.40	<0.40	NA	< 0.40	117%	50%	140%	101%	50%	140%	106%	50%	140%
Acetone	5966856		<1.0	<1.0	NA	< 1.0	94%	50%	140%	117%	50%	140%	106%	50%	140%
1,1-Dichloroethylene	5966856		<0.30	<0.30	NA	< 0.30	99%	50%	140%	117%	60%	130%	105%	50%	140%
Methylene Chloride	5966856		<0.30	<0.30	NA	< 0.30	94%	50%	140%	106%	60%	130%	102%	50%	140%
trans- 1,2-Dichloroethylene	5966856		<0.20	<0.20	NA	< 0.20	110%	50%	140%	99%	60%	130%	109%	50%	140%
Methyl tert-butyl ether	5966856		<0.20	<0.20	NA	< 0.20	80%	50%	140%	76%	60%	130%	74%	50%	140%

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Quality Assurance

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AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

Trace Organics Analysis (Continued)

RPT Date: Jul 05, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,1-Dichloroethane	5966856		<0.30	<0.30	NA	< 0.30	96%	50%	140%	111%	60%	130%	104%	50%	140%
Methyl Ethyl Ketone	5966856		<1.0	<1.0	NA	< 1.0	84%	50%	140%	110%	50%	140%	102%	50%	140%
cis- 1,2-Dichloroethylene	5966856		<0.20	<0.20	NA	< 0.20	116%	50%	140%	106%	60%	130%	110%	50%	140%
Chloroform	5966856		<0.20	<0.20	NA	< 0.20	110%	50%	140%	100%	60%	130%	113%	50%	140%
1,2-Dichloroethane	5966856		<0.20	<0.20	NA	< 0.20	85%	50%	140%	96%	60%	130%	102%	50%	140%
1,1,1-Trichloroethane	5966856		<0.30	<0.30	NA	< 0.30	105%	50%	140%	94%	60%	130%	100%	50%	140%
Carbon Tetrachloride	5966856		<0.20	<0.20	NA	< 0.20	112%	50%	140%	97%	60%	130%	116%	50%	140%
Benzene	5966856		<0.20	<0.20	NA	< 0.20	108%	50%	140%	97%	60%	130%	108%	50%	140%
1,2-Dichloropropane	5966856		<0.20	<0.20	NA	< 0.20	106%	50%	140%	96%	60%	130%	98%	50%	140%
Trichloroethylene	5966856		<0.20	<0.20	NA	< 0.20	108%	50%	140%	100%	60%	130%	108%	50%	140%
Bromodichloromethane	5966856		<0.20	<0.20	NA	< 0.20	95%	50%	140%	93%	60%	130%	100%	50%	140%
Methyl Isobutyl Ketone	5966856		<1.0	<1.0	NA	< 1.0	88%	50%	140%	92%	50%	140%	86%	50%	140%
1,1,2-Trichloroethane	5966856		<0.20	<0.20	NA	< 0.20	109%	50%	140%	95%	60%	130%	109%	50%	140%
Toluene	5966856		<0.20	<0.20	NA	< 0.20	113%	50%	140%	100%	60%	130%	110%	50%	140%
Dibromochloromethane	5966856		<0.10	<0.10	NA	< 0.10	85%	50%	140%	77%	60%	130%	92%	50%	140%
Ethylene Dibromide	5966856		<0.10	<0.10	NA	< 0.10	98%	50%	140%	91%	60%	130%	97%	50%	140%
Tetrachloroethylene	5966856		<0.20	<0.20	NA	< 0.20	116%	50%	140%	100%	60%	130%	114%	50%	140%
1,1,1,2-Tetrachloroethane	5966856		<0.10	<0.10	NA	< 0.10	100%	50%	140%	91%	60%	130%	102%	50%	140%
Chlorobenzene	5966856		<0.10	<0.10	NA	< 0.10	111%	50%	140%	99%	60%	130%	110%	50%	140%
Ethylbenzene	5966856		<0.10	<0.10	NA	< 0.10	103%	50%	140%	93%	60%	130%	96%	50%	140%
m & p-Xylene	5966856		<0.20	<0.20	NA	< 0.20	104%	50%	140%	100%	60%	130%	105%	50%	140%
Bromoform	5966856		<0.10	<0.10	NA	< 0.10	119%	50%	140%	101%	60%	130%	109%	50%	140%
Styrene	5966856		<0.10	<0.10	NA	< 0.10	108%	50%	140%	113%	60%	130%	102%	50%	140%
1,1,2,2-Tetrachloroethane	5966856		<0.10	<0.10	NA	< 0.10	97%	50%	140%	90%	60%	130%	112%	50%	140%
o-Xylene	5966856		<0.10	<0.10	NA	< 0.10	108%	50%	140%	101%	60%	130%	105%	50%	140%
1,3-Dichlorobenzene	5966856		<0.10	<0.10	NA	< 0.10	108%	50%	140%	99%	60%	130%	115%	50%	140%
1,4-Dichlorobenzene	5966856		<0.10	<0.10	NA	< 0.10	110%	50%	140%	97%	60%	130%	114%	50%	140%
1,2-Dichlorobenzene	5966856		<0.10	<0.10	NA	< 0.10	102%	50%	140%	96%	60%	130%	110%	50%	140%
n-Hexane	5966856		<0.20	<0.20	NA	< 0.20	85%	50%	140%	97%	60%	130%	73%	50%	140%
O. Reg. 153(511) - BTEX (Water)															
Benzene	5966856		<0.20	<0.20	NA	< 0.20	108%	50%	140%	97%	60%	130%	108%	50%	140%
Toluene	5966856		<0.20	<0.20	NA	< 0.20	113%	50%	140%	100%	60%	130%	110%	50%	140%
Ethylbenzene	5966856		<0.10	<0.10	NA	< 0.10	103%	50%	140%	93%	60%	130%	96%	50%	140%
m & p-Xylene	5966856		<0.20	<0.20	NA	< 0.20	104%	50%	140%	100%	60%	130%	105%	50%	140%
o-Xylene	5966856		<0.10	<0.10	NA	< 0.10	108%	50%	140%	101%	60%	130%	105%	50%	140%

Certified By:

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

PROJECT: GTR-23006348-E1

SAMPLING SITE:OAKVILLE

AGAT WORK ORDER: 24H167490

ATTENTION TO: Jennifer Hayman

SAMPLED BY:CH

Water Analysis

RPT Date: Jul 05, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Water)															
Dissolved Antimony	5966396	5966396	<1.0	<1.0	NA	< 1.0	102%	70%	130%	105%	80%	120%	106%	70%	130%
Dissolved Arsenic	5966396	5966396	3.7	3.5	NA	< 1.0	97%	70%	130%	107%	80%	120%	104%	70%	130%
Dissolved Barium	5966396	5966396	148	149	0.7%	< 2.0	92%	70%	130%	100%	80%	120%	101%	70%	130%
Dissolved Beryllium	5966396	5966396	<0.50	<0.50	NA	< 0.50	97%	70%	130%	102%	80%	120%	101%	70%	130%
Dissolved Boron	5966396	5966396	171	175	2.3%	< 10.0	94%	70%	130%	101%	80%	120%	95%	70%	130%
Dissolved Cadmium	5966396	5966396	<0.20	<0.20	NA	< 0.20	100%	70%	130%	105%	80%	120%	100%	70%	130%
Dissolved Chromium	5966396	5966396	<2.0	<2.0	NA	< 2.0	97%	70%	130%	103%	80%	120%	99%	70%	130%
Dissolved Cobalt	5966396	5966396	0.58	0.50	NA	< 0.50	99%	70%	130%	104%	80%	120%	98%	70%	130%
Dissolved Copper	5966396	5966396	1.4	1.9	NA	< 1.0	98%	70%	130%	102%	80%	120%	96%	70%	130%
Dissolved Lead	5966396	5966396	<0.50	<0.50	NA	< 0.50	94%	70%	130%	98%	80%	120%	93%	70%	130%
Dissolved Molybdenum	5966396	5966396	5.06	5.35	5.6%	< 0.50	104%	70%	130%	110%	80%	120%	106%	70%	130%
Dissolved Nickel	5966396	5966396	1.3	<1.0	NA	< 1.0	100%	70%	130%	108%	80%	120%	97%	70%	130%
Dissolved Selenium	5966396	5966396	<1.0	<1.0	NA	< 1.0	98%	70%	130%	110%	80%	120%	110%	70%	130%
Dissolved Silver	5966396	5966396	<0.20	<0.20	NA	< 0.20	100%	70%	130%	105%	80%	120%	80%	70%	130%
Dissolved Thallium	5966396	5966396	<0.30	<0.30	NA	< 0.30	97%	70%	130%	100%	80%	120%	95%	70%	130%
Dissolved Uranium	5966396	5966396	3.81	3.76	1.3%	< 0.50	91%	70%	130%	102%	80%	120%	101%	70%	130%
Dissolved Vanadium	5966396	5966396	1.08	1.14	NA	< 0.40	100%	70%	130%	109%	80%	120%	105%	70%	130%
Dissolved Zinc	5966396	5966396	6.4	7.6	NA	< 5.0	99%	70%	130%	109%	80%	120%	105%	70%	130%

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

Certified By:

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown, due to rounding of final results.

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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

Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Benzene	VOL-91-5001	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
Toluene	VOL-91-5001	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
Ethylbenzene	VOL-91-5001	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
m & p-Xylene	VOL-91-5001	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5001	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5001	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
Toluene-d8	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Naphthalene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Acenaphthylene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Acenaphthene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Fluorene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Phenanthrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Anthracene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Fluoranthene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Pyrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(a)anthracene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Chrysene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(b)fluoranthene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(k)fluoranthene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(a)pyrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Dibenz(a,h)anthracene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
2-and 1-methyl Napthalene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Naphthalene-d8	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Acridine-d9	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Terphenyl-d14	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Sediment			N/A
Benzene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
Toluene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
Ethylbenzene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
m & p-Xylene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
o-Xylene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
Xylenes (Total)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
F1 (C6 to C10)	VOL-91- 5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Vinyl Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromomethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Acetone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methylene Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
trans- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl tert-butyl ether	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
cis- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chloroform	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Benzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
1,2-Dichloropropane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromodichloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Toluene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Dibromochloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Ethylbenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
m & p-Xylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromoform	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Styrene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,2,2-Tetrachloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,3-Dichloropropene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
n-Hexane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

Results relate only to the items tested. Results apply to samples as received.

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H167490

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS

Results relate only to the items tested. Results apply to samples as received.

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Ph: 905.712.5100 Fax: 905.712.5122
webearth.agatlabs.com

Chain of Custody Record

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

Report Information:

Company: exp Services Inc.
Contact: Jennifer Hayman
Address: 1266 S. Service Rd
Stoney Creek
Phone: 905 525 6069 Fax:
Reports to be sent to:
1. Email: Jennifer.hayman@exp.com
2. Email: nicole.mcguire@exp.com

Project Information:

Project: GTA-23006348-E1
Site Location: South Service Road, Oakville
Sampled By: CH
AGAT Quote #: PO: GTA-23006348-E1
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐
Company: exp Services Inc.
Contact:
Address:
Email: AP@exp.com

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☒ Fine
☐ Regulation 406 — Table (Indicate One) — ☐ Ind/Com ☐ Res/Park ☐ Agriculture
☐ Regulation 558
☐ CCME
☐ Sewer Use ☐ Sanitary ☐ Storm — Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other — Indicate One

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

Report Guideline on Certificate of Analysis ☒ Yes ☐ No

Legal Sample ☐

Sample Matrix Legend

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

Laboratory Use Only

Work Order #: 24H167470
Cooler Quantity: 4 COOLER
Arrival Temperatures: 3.5 | 4.0 | 4.2
~~Depot~~ Temperatures: 6.2 | 5.1 | 5.0
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: LOOSE ICE

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
*TAT is exclusive of weekends and statutory holidays
For 'Same Day' analysis, please contact your AGAT CSR

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - (Metals, Hg, CrVI, DOC) Y/N	O. Reg 153: Metals & Inorganics	Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package	pH, Metals, BTEX, F1-F4	EC, SAR	Regulation 406 SPLP Rainwater Leach ☐ VOCs ☐ SVOCs ☐ OC	mSPLP: ☐ Metals	Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	TCLP:	O. Reg 558: Corrosivity: ☐ Moisture ☐ Sulphide	ICPMS Metals	BTEX	Potentially Hazardous or High Concentration (Y/N)
1.		AM PM																				
2.		AM PM																				
3. MW125	24/6/24	9:00 AM PM	4	GW		Y				X										X		
4. MW126	24/6/26	9:00 AM PM	8			Y			X		X									X		
5. MW131		9:30 AM PM	1			Y														X		
6. MW132S		10:00 AM PM	1			Y														X		
7. MW132D		10:30 AM PM	4			Y				X										X		
8. MW132D-1		11:00 AM PM	3							X												
9. MW133		11:30 AM PM	1			Y														X		
10. MW137		12:00 AM PM	1			Y														X		
11. MW139		12:30 AM PM	1			Y														X		

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Charlie Hill	24/6/27	2:30pm	RTMC	June 27/24	2:30pm
DTMC	June 27/24	3pm	Tiffany	June 27	4:20pm

Page 1 of 3

N°: T-154614

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Ph: 905.712.5100 Fax: 905.712.5122
webearth.agatlabs.com

Chain of Custody Record

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

Report Information:

Company:
Contact: SEE PAGE 1
Address:
Phone: Fax:
Reports to be sent to:
1. Email:
2. Email:

Project Information:

Project:
Site Location: SEE PAGE 1
Sampled By:
AGAT Quote #: PO:
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐

Company: exp
Contact:
Address:
Email: AP@exp.com

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☒ Fine

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

☐ Regulation 558

☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm — Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other (Indicate One)

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

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

Legal Sample ☐

Sample Matrix Legend

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

Laboratory Use Only

Work Order #: 24H167490
Cooler Quantity: LG COOLER
Arrival Temperatures: 3.5 | 4.0 | 4.2
Depot Temperatures: 6.2 | 5.1 | 5.0
Custody Seal Intact: ☐Yes ☐No ☐N/A
Notes: LOOSE ICE

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI ☐ Hg ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package	O. Reg 406: pH, Metals, BTEX, F1-F4	O. Reg 406: EC, SAR	O. Reg 406: Regulation 406 SPLP Rainwater Leach ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 406: mSPLP: ☐ Metals	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 558: TCLP: ☐ M&I ☐ VOCs	Corrosivity: ☐ Moisture ☐ Sulphide	ICPMS Metals		BTEX					Potentially Hazardous or High Concentration (Y/N)
1. MW139-1	24/6/26	1:00 PM	1	GW		Y															X							
2. MW140	24/6/25	10:00 PM	3																				X					
3. MW142	24/6/26	1:30 PM	1			Y															X							
4. MW150S	24/6/24	9:30 PM	3							X																		
5. MW150D	↓	10:00 PM	3							X																		
6. MW152		10:30 PM	3							X																		
7. MW153		11:00 PM	1			Y															X							
8. MW154	24/6/25	10:30 PM	4			Y															X		X					
9. MW155	24/6/24	11:30 PM	1			Y															X							
10. MW201	↓	12:00 PM	1			Y															X							
11. MW203	24/6/26	2:00 PM	1	↓		Y															X							

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Charlie Hill	24/6/27	2:30pm	DMC	June 27/24	2:30PM
DMC	June 27/24	3pm		June 27	4:20pm

Page 2 of 3

N°: T-154615

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Document ID: DIV-78-1511-023

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Date Issued: Jan 18, 2024

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webearth.agatlabs.com

Chain of Custody Record

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

Laboratory Use Only

Work Order #: 24H167490

Cooler Quantity: LG COOLER

Arrival Temperatures: 6.2 | 5.1 | 5.0

Depot Temperatures: 3.5 | 4.0 | 4.2

Custody Seal Intact: ☐ Yes ☐ No ☐ N/A

Notes: LOOSE ICE

Report Information:

Company:

Contact: SEE PAGE 1

Address:

Phone: Fax:

Reports to be sent to:

1. Email:

2. Email:

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture

Soil Texture (Check One) ☐ Coarse ☒ Fine

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

☐ Regulation 558

☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm — Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other — Indicate One

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT

**TAT is exclusive of weekends and statutory holidays*

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

Project Information:

Project:

Site Location: SEE PAGE 1

Sampled By:

AGAT Quote #: PO:

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

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

Report Guideline on Certificate of Analysis ☒ Yes ☐ No

Legal Sample ☐

Invoice Information:

Bill To Same: Yes ☐ No ☐

Company: exp

Contact:

Address:

Email: AP@exp.com

Sample Matrix Legend

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 406: VOC	O. Reg 406: PAHs	O. Reg 406: PCBs: Arochlors ☐	O. Reg 406: Regulation 406 Characterization Package: pH, Metals, BTEX, F1-F4	O. Reg 406: EC, SAR	O. Reg 406: Regulation 406 SPLP Rainwater Leach: mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ DOC	O. Reg 406: Landfill Disposal Characterization TCLP: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ BlaP ☐ PCBs	O. Reg 558: Corrosivity: ☐ Moisture ☐ Sulphide	ICPMS Metals							Potentially Hazardous or High Concentration (Y/N)
1. MW205	24/6/26	2:30 AM/PM	1	GW		Y												X							
2. TRIP BLANK	↓	↓ AM/PM	3	GW						X															
3.		AM/PM																							
4.		AM/PM																							
5.		AM/PM																							
6.		AM/PM																							
7.		AM/PM																							
8.		AM/PM																							
9.		AM/PM																							
10.		AM/PM																							
11.		AM/PM																							

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Charlie Hill	24/6/27	2:30pm	DJAC	June 27/24	2:30pm
DJAC	June 27/24	3pm	T Hang	June 27	4:20pm

Page 3 of 3

N°: T-154616

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

Document ID: DIV-FB-1513-023 Any and all products and/or services provided by AGAT Labs are pursuant to the terms and conditions as set forth at www.agatlabs.com/termsandconditions unless otherwise agreed in a current written contractual document. Date Issued: Jan 18, 2024

Your Project #: GTR-23006348-E1
Site Location: S. SERVICE RD., OAKVILLE
Your C.O.C. #: 999461-01-01

Attention: Jennifer Hayman

exp Services Inc
Stoney Creek Branch
1266 South Service Rd
Suite C1-1
Stoney Creek, ON
CANADA L8E 5R9

Report Date: 2024/07/23
Report #: R8246650
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4K5576
Received: 2024/07/05, 17:12

Sample Matrix: Water
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methyl Mercury (Dissolved, FF/FP) (1)	2	2024/07/16	2024/07/17	BBY7SOP-00028	EPA 1630 m
Methyl Mercury (Dissolved, FF/FP) (1)	2	2024/07/19	2024/07/20	BBY7SOP-00028	EPA 1630 m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5

Your Project #: GTR-23006348-E1
Site Location: S. SERVICE RD., OAKVILLE
Your C.O.C. #: 999461-01-01

Attention: Jennifer Hayman

exp Services Inc
Stoney Creek Branch
1266 South Service Rd
Suite C1-1
Stoney Creek, ON
CANADA L8E 5R9

Report Date: 2024/07/23
Report #: R8246650
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4K5576
Received: 2024/07/05, 17:12

Encryption Key

AUTHORIZED REPORT
RAPPORT AUTORISÉ

Bureau Veritas
23 Jul 2024 16:53:50

Please direct all questions regarding this Certificate of Analysis to:
Patricia Legette, Project Manager
Email: Patricia.Legette@bureauveritas.com
Phone# (905)817-5799

==========

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

Bureau Veritas Job #: C4K5576
Report Date: 2024/07/23

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: S. SERVICE RD., OAKVILLE
Sampler Initials: CH

MERCURY BY COLD VAPOUR AA (WATER)

Bureau Veritas ID		ZQP043	ZQP044		ZQP045	ZQP046		
Sampling Date		2024/07/04 12:30	2024/07/04 13:00		2024/07/04 13:30	2024/07/04 14:00		
COC Number		999461-01-01	999461-01-01		999461-01-01	999461-01-01		
	UNITS	**MW2**	**MW108**	**QC Batch**	**MW140**	**MW313**	**RDL**	**QC Batch**
ELEMENTS								
Dissolved Methyl Mercury	ng/L	<0.050	<0.050	9533038	0.058	<0.050	0.050	9533039

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4K5576
Report Date: 2024/07/23

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: S. SERVICE RD., OAKVILLE
Sampler Initials: CH

TEST SUMMARY

Bureau Veritas ID: ZQP043
Sample ID: MW2
Matrix: Water
Collected: 2024/07/04
Shipped:
Received: 2024/07/05

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury (Dissolved, FF/FP)	CV	9533038	2024/07/16	2024/07/17	Simranjit Kaur

Bureau Veritas ID: ZQP044
Sample ID: MW108
Matrix: Water
Collected: 2024/07/04
Shipped:
Received: 2024/07/05

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury (Dissolved, FF/FP)	CV	9533038	2024/07/16	2024/07/17	Simranjit Kaur

Bureau Veritas ID: ZQP045
Sample ID: MW140
Matrix: Water
Collected: 2024/07/04
Shipped:
Received: 2024/07/05

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury (Dissolved, FF/FP)	CV	9533039	2024/07/19	2024/07/20	Simranjit Kaur

Bureau Veritas ID: ZQP046
Sample ID: MW313
Matrix: Water
Collected: 2024/07/04
Shipped:
Received: 2024/07/05

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury (Dissolved, FF/FP)	CV	9533039	2024/07/19	2024/07/20	Simranjit Kaur

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

GENERAL COMMENTS

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

Package 1	1.3°C

Results relate only to the items tested.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4K5576
Report Date: 2024/07/23

QUALITY ASSURANCE REPORT

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: S. SERVICE RD., OAKVILLE
Sampler Initials: CH

			Matrix Spike		SPIKED BLANK		Method Blank	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS
9533038	Dissolved Methyl Mercury	2024/07/17	103	80 - 120	99	80 - 120	<0.050	ng/L
9533039	Dissolved Methyl Mercury	2024/07/20	107	80 - 120	93	80 - 120	<0.050	ng/L

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

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

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4K5576
Report Date: 2024/07/23

exp Services Inc
Client Project #: GTR-23006348-E1
Site Location: S. SERVICE RD., OAKVILLE
Sampler Initials: CH

VALIDATION SIGNATURE PAGE

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

Automated Statchk

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Your Project #: Campobello job# C4K5576

Attention: Patricia Legette

BUREAU VERITAS
CAMPOBELLO
6740 CAMPOBELLO ROAD
MISSISSAUGA, ON
CANADA L5N 2L8

Report Date: 2024/07/23
Report #: R3531010
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C451230
Received: 2024/07/09, 15:45

Sample Matrix: Water
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methyl Mercury (Dissolved, FF/FP)	2	2024/07/16	2024/07/17	BBY7SOP-00028	EPA 1630 m
Methyl Mercury (Dissolved, FF/FP)	2	2024/07/19	2024/07/20	BBY7SOP-00028	EPA 1630 m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: Campobello job# C4K5576

Attention: Patricia Legette

BUREAU VERITAS
CAMPOBELLO
6740 CAMPOBELLO ROAD
MISSISSAUGA, ON
CANADA L5N 2L8

Report Date: 2024/07/23
Report #: R3531010
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C451230
Received: 2024/07/09, 15:45

Encryption Key

Bureau Veritas
23 Jul 2024 13:37:20

Please direct all questions regarding this Certificate of Analysis to:
Stephanie Rodriguez Camacho, Customer Solutions Representative
Email: Stephanie.Rodriguez@bureauveritas.com
Phone# (604) 734 7276

==========

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Bureau Veritas Job #: C451230
Report Date: 2024/07/23

BUREAU VERITAS
Client Project #: Campobello job# C4K5576
Sampler Initials: CH

MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		CQV984	CQV985		CQV986	CQV987		
Sampling Date		2024/07/04 12:30	2024/07/04 13:00		2024/07/04 13:30	2024/07/04 14:00		
	UNITS	MW2	MW108	QC Batch	MW140	MW313	RDL	QC Batch
Elements								
Dissolved Methyl Mercury	ng/L	<0.050	<0.050	B441277	0.058	<0.050	0.050	B446208
RDL = Reportable Detection Limit								

Bureau Veritas Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Bureau Veritas Job #: C451230
Report Date: 2024/07/23

BUREAU VERITAS
Client Project #: Campobello job# C4K5576
Sampler Initials: CH

TEST SUMMARY

Bureau Veritas ID: CQV984
Sample ID: MW2
Matrix: Water

Collected: 2024/07/04
Shipped:
Received: 2024/07/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury (Dissolved, FF/FP)	CV	B441277	2024/07/16	2024/07/17	Simranjit Kaur

Bureau Veritas ID: CQV985
Sample ID: MW108
Matrix: Water

Collected: 2024/07/04
Shipped:
Received: 2024/07/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury (Dissolved, FF/FP)	CV	B441277	2024/07/16	2024/07/17	Simranjit Kaur

Bureau Veritas ID: CQV986
Sample ID: MW140
Matrix: Water

Collected: 2024/07/04
Shipped:
Received: 2024/07/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury (Dissolved, FF/FP)	CV	B446208	2024/07/19	2024/07/20	Simranjit Kaur

Bureau Veritas ID: CQV987
Sample ID: MW313
Matrix: Water

Collected: 2024/07/04
Shipped:
Received: 2024/07/09

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methyl Mercury (Dissolved, FF/FP)	CV	B446208	2024/07/19	2024/07/20	Simranjit Kaur

Bureau Veritas Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

QUALITY ASSURANCE REPORT

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
B441277	Dissolved Methyl Mercury	2024/07/17	103	80 - 120	99	80 - 120	<0.050	ng/L	4.7	25
B446208	Dissolved Methyl Mercury	2024/07/20	107	80 - 120	93	80 - 120	<0.050	ng/L	20	25

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

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

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

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

Bureau Veritas Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

VALIDATION SIGNATURE PAGE

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

Bureau Veritas Proprietary Software
Logiciel Propriétaire de Bureau Veritas

Automated Statchk

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Bureau Veritas Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

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

NONT-2024-07-583

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name:	#17492 exp Services Inc	Company Name:		Quotation #:	C41513
Attention:	Accounts Payable	Attention:	Jennifer Hayman	P.O. #:	
Address:	1266 South Service Rd Suite C1-1	Address:		Project:	GTR-23006348-E1
	Stoney Creek ON L8E 5R9			Project Name:	
Tel:	(905) 573-4000 Fax:	Tel:	(905) 525-6069 Fax:	Site #:	S. Service Rd., Oakville
Email:	AP@exp.com; Karen.Burke@exp.com	Email:	Jennifer.Hayman@exp.com	Sampled By:	CH

Lottie Order #: 999461

COC #: C#999461-01-01

Project Manager: Patricia Legette

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

Regulation 153 (2011)
- ☐ Table 1 ☒ Res/Park ☐ Medium/Fine
- ☒ Table 2 ☐ Ind/Comm ☐ Coarse
- ☐ Table 3 ☐ Agri/Other ☑ For RSC
- ☐ Table ___

Other Regulations
- ☐ CCME ☐ Sanitary Sewer Bylaw
- ☐ Reg 558. ☐ Storm Sewer Bylaw
- ☐ MISA Municipality ___
- ☐ PWQO ☐ Reg 406 Table ___
- ☐ Other ___

Special Instructions

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

Turnaround Time (TAT) Required:
Please provide advance notice for rush projects

Regular (Standard) TAT: ☒
(will be applied if Rush TAT is not specified):
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___ ☐
Rush Confirmation Number: ___ *(call lab for #)*

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	Methyl Mercury (Dissolved, FF/FP)	# of Bottles	Comments
1		MW2	24/7/4	12:30	GW		X	1	Field Filtered
2		MW108	"	13:00	"		X	1	"
3		MW140	"	13:30	"		X	1	"
4		MW313	"	14:00	"		X	1	"
5									
6									
7									
8									
9									
10									

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Charlie Hill Charlie Hill	24/7/5	10:00am	[illegible]	24/07/05	17:12	

Laboratory Use Only

Time Sensitive	Temperature (°C) on Recei	Custody Seal	Yes	No
	01 13	Present	✓	
		Intact		

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

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

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

913058 H2 08752

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

White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

Sent to: **Bureau Veritas Burnaby**
4606 Canada Way
Burnaby, BC, V5G 1K5
Tel: (604) 734-7276

BUREAU VERITAS INTERLAB CHAIN OF CUSTODY RECORD

COC # C4K5576-MVNO-01-01

REPORT INFORMATION	
Company:	Bureau Veritas
Address:	6740 Campobello Road, Mississauga, Ontario, L5N 2L8
Contact Name:	Patricia Legette
Email:	Patricia.Legette@bureauveritas.com, scontractor@bureauveritas.com
Phone:	(905) 817-5799
BV Project #:	C4K5576
Client Invoice To:	exp Services Inc (17492)
Client Report To:	exp Services Inc (17492) Incl. on Report? Yes / No

ANALYSIS REQUESTED

Job Barcode Label

Offsite Job

C4K5576

#	SAMPLE ID	MATRIX	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	SAMPLER INITIALS	# CONT.	Methyl Mercury (Dissolved, FF/FP)	ADDITIONAL SAMPLE INFORMATION
1	ZQP043-MW2	GW	2024/07/04	12:30	CH	1	X	(P: 01)
2	ZQP044-MW108	GW	2024/07/04	13:00	CH	1	X	(P: 01)
3	ZQP045-MW140	GW	2024/07/04	13:30	CH	1	X	(P: 01)
4	ZQP046-MW313	GW	2024/07/04	14:00	CH	1	X	(P: 01)
5								
6								
7								
8								
9								
10								

C451230_ISUB;COC

SITE LOCATION:	REGULATORY CRITERIA	SPECIAL INSTRUCTIONS	REQUIRED EDDs	TURNAROUND TIME
S. SERVICE RD., OAKVILLE		Please inform Bureau Veritas immediately if you are not accredited for the requested test(s) or the hold time is approaching. **Please return a copy of this form with the report.** Client Name: exp Services Inc	National Excel (N001) OEC Excel (O036)	☐ Rush Required 2024/07/31 Date Required *Please inform us if rush charges will be incurred.*
SITE #:				
PROJECT #: GTR-23006348-E1				
PO/AFE, TASK ORDER/SERVICE ORDER, LINE ITEM:				

COOLER ID:	YES	NO	Temp: (°C)	1	2	3
Custody Seal Present	✓					
Custody Seal Intact	✓					
Cooling Media Present	✓					

COOLER ID:	YES	NO	Temp: (°C)	1	2	3
Custody Seal Present						
Custody Seal Intact						
Cooling Media Present						

COOLER ID:	YES	NO	Temp: (°C)	3	2	1
Custody Seal Present						
Custody Seal Intact						
Cooling Media Present						

RECEIVING LAB USE ONLY

Bureau Veritas Job #: C451230

RELINQUISHED BY: (SIGN & PRINT)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (SIGN & PRINT)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	Samples Labelled By:	Labels Verified By:
1. Ashlee Sutherland ASH MacKinnon	2024/07/10	15:15	1. Maria Zamora	2024/07/11	08:30	ASZ	
2.			2.				

1 CE FROZEN

AGAT Laboratories

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

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Jennifer Hayman
PROJECT: GTR-23006348-E1
AGAT WORK ORDER: 24H182602
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
WATER ANALYSIS REVIEWED BY: Yris Verastegui, Inorganic Team Lead
DATE REPORTED: Aug 14, 2024
PAGES (INCLUDING COVER): 26
VERSION*: 1

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

Notes

Disclaimer:

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

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.

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Certificate of Analysis

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2024-08-07

DATE REPORTED: 2024-08-14

		SAMPLE DESCRIPTION:		MW 1	MW 127	MW 129
		SAMPLE TYPE:		Water	Water	Water
		DATE SAMPLED:		2024-08-06 11:30	2024-08-06 12:20	2024-08-06 13:10
Parameter	**Unit**	**G / S**	**RDL**	**6058378**	**6058426**	**6058432**
Naphthalene	µg/L	11	0.20	<0.20	<0.20	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20	<0.20	<0.20
Acenaphthene	µg/L	4.1	0.20	<0.20	<0.20	<0.20
Fluorene	µg/L	120	0.20	<0.20	<0.20	<0.20
Phenanthrene	µg/L	1	0.10	<0.10	<0.10	0.33
Anthracene	µg/L	2.4	0.10	<0.10	<0.10	0.22
Fluoranthene	µg/L	0.41	0.20	<0.20	<0.20	0.33
Pyrene	µg/L	4.1	0.20	<0.20	<0.20	0.22
Benzo(a)anthracene	µg/L	1	0.20	<0.20	<0.20	<0.20
Chrysene	µg/L	0.1	0.10	<0.10	<0.10	**0.11**
Benzo(b)fluoranthene	µg/L	0.1	0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.1	0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.01	0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20	<0.20	<0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.2	0.20	<0.20	<0.20	<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20	<0.20	<0.20	<0.20
2-and 1-methyl Napthalene	µg/L	3.2	0.20	<0.20	<0.20	<0.20
Sediment				1	1	3
Surrogate	**Unit**	**Acceptable Limits**				
Naphthalene-d8	%	50-140		109	118	112
Acridine-d9	%	50-140		111	112	114
Terphenyl-d14	%	50-140		75	70	83

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2024-08-07 **DATE REPORTED: 2024-08-14**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6058378-6058432 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&(j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2024-08-07

DATE REPORTED: 2024-08-14

				SAMPLE DESCRIPTION:	MW 129
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2024-08-06 13:10
Parameter	**Unit**	**G / S**	**RDL**		**6058432**
F1 (C6 to C10)	µg/L	750	25		<25
F1 (C6 to C10) minus BTEX	µg/L	750	25		<25
F2 (C10 to C16)	µg/L	150	100		<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100
F3 (C16 to C34)	µg/L	500	100		<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100
F4 (C34 to C50)	µg/L	500	100		<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA
Sediment					1
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	%	50-140			104
Terphenyl	% Recovery	60-140			97

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2024-08-07 **DATE REPORTED: 2024-08-14**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6058432 The C6-C10 fraction is calculated using toluene response factor.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

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

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2024-08-07

DATE REPORTED: 2024-08-14

				SAMPLE DESCRIPTION:	MW 1	MW 127
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2024-08-06 11:30	2024-08-06 12:20
Parameter	**Unit**	**G / S**	**RDL**		**6058378**	**6058426**
Benzene	µg/L	5.0	0.20		<0.20	<0.20
Toluene	µg/L	24	0.20		<0.20	<0.20
Ethylbenzene	µg/L	2.4	0.10		<0.10	<0.10
m & p-Xylene	µg/L		0.20		<0.20	<0.20
o-Xylene	µg/L		0.10		<0.10	<0.10
Xylenes (Total)	µg/L	300	0.20		<0.20	<0.20
F1 (C6 to C10)	µg/L	750	25		<25	<25
F1 (C6 to C10) minus BTEX	µg/L	750	25		<25	<25
F2 (C10 to C16)	µg/L	150	100		<100	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100	<100
F3 (C16 to C34)	µg/L	500	100		<100	<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100	<100
F4 (C34 to C50)	µg/L	500	100		<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA	NA
Sediment					1	1
Surrogate	**Unit**	**Acceptable Limits**				
Toluene-d8	% Recovery	60-140			92.8	84.2
Terphenyl	% Recovery	60-140			79	82

Certified By: NPopnikolof

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AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2024-08-07 **DATE REPORTED: 2024-08-14**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6058378-6058426 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
The C6-C10 fraction is calculated using toluene response factor.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2024-08-07

DATE REPORTED: 2024-08-14

SAMPLE DESCRIPTION:				MW 112	MW 1122	MW 114	MW 141	MW 146
SAMPLE TYPE:				Water	Water	Water	Water	Water
DATE SAMPLED:				2024-08-06 10:10	2024-08-06 10:10	2024-08-06 16:15	2024-08-06 15:20	2024-08-06 14:00
Parameter	Unit	G / S	RDL	6058419	6058424	6058425	6058450	6058455
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	**3.31**	**3.31**	1.04	<0.17	1.28
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	10.2	9.91	3.25	<0.20	5.16
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	0.38
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2024-08-07

DATE REPORTED: 2024-08-14

				SAMPLE DESCRIPTION:	MW 112	MW 1122	MW 114	MW 141	MW 146
				SAMPLE TYPE:	Water	Water	Water	Water	Water
				DATE SAMPLED:	2024-08-06 10:10	2024-08-06 10:10	2024-08-06 16:15	2024-08-06 15:20	2024-08-06 14:00
Parameter	**Unit**	**G / S**	**RDL**		**6058419**	**6058424**	**6058425**	**6058450**	**6058455**
m & p-Xylene	µg/L		0.20		<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	µg/L	25	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10		<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10		<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30		<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20		<0.20	<0.20	<0.20	<0.20	<0.20
n-Hexane	µg/L	520	0.20		<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**							
Toluene-d8	% Recovery	50-140			102	106	102	104	106
4-Bromofluorobenzene	% Recovery	50-140			99	99	97	99	102

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6058419-6058455 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2024-08-07

DATE REPORTED: 2024-08-14

		SAMPLE DESCRIPTION:		MW 129
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2024-08-06 13:10
Parameter	Unit	G / S	RDL	6058432
Dichlorodifluoromethane	µg/L	590	0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	0.70
Chloroform	µg/L	22	0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20
Trichloroethylene	µg/L	5	0.20	**16.7**
Bromodichloromethane	µg/L	16	0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20
Toluene	µg/L	24	0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2024-08-07

DATE REPORTED: 2024-08-14

				SAMPLE DESCRIPTION:	MW 129
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2024-08-06 13:10
Parameter	**Unit**	**G / S**	**RDL**	**6058432**	
m & p-Xylene	µg/L		0.20	<0.20	
Bromoform	µg/L	25	0.10	<0.10	
Styrene	µg/L	5.4	0.10	<0.10	
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	
o-Xylene	µg/L		0.10	<0.10	
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	
Xylenes (Total)	µg/L	300	0.20	<0.20	
n-Hexane	µg/L	520	0.20	<0.20	
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	% Recovery	50-140		104	
4-Bromofluorobenzene	% Recovery	50-140		100	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6058432 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - All Metals (Water)

DATE RECEIVED: 2024-08-07

DATE REPORTED: 2024-08-14

		SAMPLE DESCRIPTION:		MW 1	MW 129
		SAMPLE TYPE:		Water	Water
		DATE SAMPLED:		2024-08-06 11:30	2024-08-06 13:10
Parameter	Unit	G / S	RDL	6058378	6058432
Dissolved Antimony	µg/L	6	1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0	<1.0	<1.0
Dissolved Barium	µg/L	1000	2.0	118	35.7
Dissolved Beryllium	µg/L	4	0.50	<0.50	<0.50
Dissolved Boron	µg/L	5000	10.0	<10.0	<10.0
Dissolved Cadmium	µg/L	2.7	0.20	<0.20	<0.20
Dissolved Chromium	µg/L	50	2.0	<2.0	<2.0
Dissolved Cobalt	µg/L	3.8	0.50	<0.50	<0.50
Dissolved Copper	µg/L	87	1.0	<1.0	5.0
Dissolved Lead	µg/L	10	0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50	8.63	4.52
Dissolved Nickel	µg/L	100	1.0	1.5	1.1
Dissolved Selenium	µg/L	10	1.0	1.2	<1.0
Dissolved Silver	µg/L	1.5	0.20	<0.20	<0.20
Dissolved Thallium	µg/L	2	0.30	<0.30	<0.30
Dissolved Uranium	µg/L	20	0.50	1.26	4.59
Dissolved Vanadium	µg/L	6.2	0.40	<0.40	<0.40
Dissolved Zinc	µg/L	1100	5.0	5.1	<5.0
Mercury	µg/L	1	0.02	<0.02	<0.02
Chromium VI	µg/L	25	2.000	<2.000	<2.000

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6058378-6058432 Metals analysis completed on a filtered sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Iris Verástegui

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Certificate of Analysis

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2024-08-07

DATE REPORTED: 2024-08-14

		SAMPLE DESCRIPTION:		MW 1105	MW 138	MW 141
		SAMPLE TYPE:		Water	Water	Water
		DATE SAMPLED:		2024-08-06 09:20	2024-08-06 14:40	2024-08-06 15:20
Parameter	Unit	G / S	RDL	6058417	6058436	6058450
Dissolved Antimony	µg/L	6	1.0	<1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0	8.67	<1.0	<1.0
Dissolved Barium	µg/L	1000	2.0	18.6	83.0	39.1
Dissolved Beryllium	µg/L	4	0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	5000	10.0	<10.0	80.9	<10.0
Dissolved Cadmium	µg/L	2.7	0.20	0.52	<0.20	<0.20
Dissolved Chromium	µg/L	50	2.0	<2.0	<2.0	<2.0
Dissolved Cobalt	µg/L	3.8	0.50	<0.50	0.94	<0.50
Dissolved Copper	µg/L	87	1.0	<1.0	3.8	1.7
Dissolved Lead	µg/L	10	0.50	<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50	2.98	1.19	4.35
Dissolved Nickel	µg/L	100	1.0	<1.0	<1.0	<1.0
Dissolved Selenium	µg/L	10	1.0	<1.0	<1.0	<1.0
Dissolved Silver	µg/L	1.5	0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	2	0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	20	0.50	0.52	10.3	0.76
Dissolved Vanadium	µg/L	6.2	0.40	<0.40	0.60	0.47
Dissolved Zinc	µg/L	1100	5.0	<5.0	5.6	<5.0

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6058417-6058450 Metals analysis completed on a filtered sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Iris Verástegui

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2024-08-07

DATE REPORTED: 2024-08-14

				SAMPLE DESCRIPTION:	MW 1105	MW 138	MW 141
				SAMPLE TYPE:	Water	Water	Water
				DATE SAMPLED:	2024-08-06 09:20	2024-08-06 14:40	2024-08-06 15:20
Parameter	Unit	G / S	RDL		6058417	6058436	6058450
Mercury	µg/L	1	0.02		<0.02	<0.02	<0.02

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6058417-6058450 pH is a recommended field analysis taken within 15 minutes of sample collection. Due to the potential for rapid change in sample equilibrium chemistry laboratory results may differ from field measured results.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Iris Verástegui

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Exceedance Summary

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
6058419	MW 112	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	3.31
6058424	MW 1122	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	3.31
6058432	MW 129	ON T2 PGW MFT	O. Reg. 153(511) - PAHs (Water)	Chrysene	µg/L	0.1	0.11
6058432	MW 129	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Trichloroethylene	µg/L	5	16.7

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis

RPT Date: Aug 14, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PAHs (Water)															
Naphthalene	6059549		<0.20	<0.20	NA	< 0.20	104%	50%	140%	89%	50%	140%	102%	50%	140%
Acenaphthylene	6059549		<0.20	<0.20	NA	< 0.20	99%	50%	140%	90%	50%	140%	90%	50%	140%
Acenaphthene	6059549		<0.20	<0.20	NA	< 0.20	89%	50%	140%	81%	50%	140%	91%	50%	140%
Fluorene	6059549		<0.20	<0.20	NA	< 0.20	91%	50%	140%	80%	50%	140%	91%	50%	140%
Phenanthrene	6059549		1.11	0.97	13.5%	< 0.10	83%	50%	140%	72%	50%	140%	80%	50%	140%
Anthracene	6059549		0.56	0.48	NA	< 0.10	72%	50%	140%	87%	50%	140%	94%	50%	140%
Fluoranthene	6059549		1.56	1.29	18.9%	< 0.20	90%	50%	140%	83%	50%	140%	85%	50%	140%
Pyrene	6059549		1.22	1.11	9.4%	< 0.20	86%	50%	140%	80%	50%	140%	85%	50%	140%
Benzo(a)anthracene	6059549		0.22	0.26	NA	< 0.20	101%	50%	140%	93%	50%	140%	86%	50%	140%
Chrysene	6059549		0.33	0.27	NA	< 0.10	129%	50%	140%	100%	50%	140%	108%	50%	140%
Benzo(b)fluoranthene	6059549		0.11	0.09	NA	< 0.10	94%	50%	140%	84%	50%	140%	100%	50%	140%
Benzo(k)fluoranthene	6059549		0.11	0.07	NA	< 0.10	124%	50%	140%	107%	50%	140%	103%	50%	140%
Benzo(a)pyrene	6059549		<0.01	<0.01	NA	< 0.01	95%	50%	140%	80%	50%	140%	83%	50%	140%
Indeno(1,2,3-cd)pyrene	6059549		<0.20	<0.20	NA	< 0.20	76%	50%	140%	76%	50%	140%	82%	50%	140%
Dibenz(a,h)anthracene	6059549		<0.20	<0.20	NA	< 0.20	91%	50%	140%	90%	50%	140%	82%	50%	140%
Benzo(g,h,i)perylene	6059549		<0.20	<0.20	NA	< 0.20	98%	50%	140%	86%	50%	140%	85%	50%	140%
O. Reg. 153(511) - VOCs (Water)															
Dichlorodifluoromethane	6050473		<0.40	<0.40	NA	< 0.40	67%	50%	140%	74%	50%	140%	69%	50%	140%
Vinyl Chloride	6050473		<0.17	<0.17	NA	< 0.17	106%	50%	140%	109%	50%	140%	114%	50%	140%
Bromomethane	6050473		<0.20	<0.20	NA	< 0.20	72%	50%	140%	75%	50%	140%	78%	50%	140%
Trichlorofluoromethane	6050473		<0.40	<0.40	NA	< 0.40	70%	50%	140%	77%	50%	140%	77%	50%	140%
Acetone	6050473		<1.0	<1.0	NA	< 1.0	105%	50%	140%	104%	50%	140%	99%	50%	140%
1,1-Dichloroethylene	6050473		<0.30	<0.30	NA	< 0.30	107%	50%	140%	83%	60%	130%	101%	50%	140%
Methylene Chloride	6050473		<0.30	<0.30	NA	< 0.30	106%	50%	140%	94%	60%	130%	101%	50%	140%
trans- 1,2-Dichloroethylene	6050473		<0.20	<0.20	NA	< 0.20	112%	50%	140%	70%	60%	130%	101%	50%	140%
Methyl tert-butyl ether	6050473		<0.20	<0.20	NA	< 0.20	111%	50%	140%	85%	60%	130%	119%	50%	140%
1,1-Dichloroethane	6050473		<0.30	<0.30	NA	< 0.30	107%	50%	140%	105%	60%	130%	91%	50%	140%
Methyl Ethyl Ketone	6050473		<1.0	<1.0	NA	< 1.0	103%	50%	140%	118%	50%	140%	112%	50%	140%
cis- 1,2-Dichloroethylene	6050473		<0.20	<0.20	NA	< 0.20	96%	50%	140%	116%	60%	130%	83%	50%	140%
Chloroform	6050473		<0.20	<0.20	NA	< 0.20	98%	50%	140%	113%	60%	130%	109%	50%	140%
1,2-Dichloroethane	6050473		<0.20	<0.20	NA	< 0.20	104%	50%	140%	75%	60%	130%	83%	50%	140%
1,1,1-Trichloroethane	6050473		<0.30	<0.30	NA	< 0.30	103%	50%	140%	72%	60%	130%	88%	50%	140%
Carbon Tetrachloride	6050473		<0.20	<0.20	NA	< 0.20	65%	50%	140%	60%	60%	130%	70%	50%	140%
Benzene	6050473		<0.20	<0.20	NA	< 0.20	86%	50%	140%	87%	60%	130%	105%	50%	140%
1,2-Dichloropropane	6050473		<0.20	<0.20	NA	< 0.20	108%	50%	140%	83%	60%	130%	98%	50%	140%
Trichloroethylene	6050473		<0.20	<0.20	NA	< 0.20	116%	50%	140%	83%	60%	130%	107%	50%	140%
Bromodichloromethane	6050473		<0.20	<0.20	NA	< 0.20	84%	50%	140%	63%	60%	130%	77%	50%	140%
Methyl Isobutyl Ketone	6050473		<1.0	<1.0	NA	< 1.0	72%	50%	140%	89%	50%	140%	89%	50%	140%

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown, due to rounding of final results.

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Aug 14, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,1,2-Trichloroethane	6050473		<0.20	<0.20	NA	< 0.20	99%	50%	140%	83%	60%	130%	98%	50%	140%
Toluene	6050473		<0.20	<0.20	NA	< 0.20	116%	50%	140%	86%	60%	130%	104%	50%	140%
Dibromochloromethane	6050473		<0.10	<0.10	NA	< 0.10	74%	50%	140%	62%	60%	130%	60%	50%	140%
Ethylene Dibromide	6050473		<0.10	<0.10	NA	< 0.10	91%	50%	140%	79%	60%	130%	92%	50%	140%
Tetrachloroethylene	6050473		<0.20	<0.20	NA	< 0.20	102%	50%	140%	89%	60%	130%	111%	50%	140%
1,1,1,2-Tetrachloroethane	6050473		<0.10	<0.10	NA	< 0.10	64%	50%	140%	65%	60%	130%	63%	50%	140%
Chlorobenzene	6050473		<0.10	<0.10	NA	< 0.10	114%	50%	140%	86%	60%	130%	103%	50%	140%
Ethylbenzene	6050473		<0.10	<0.10	NA	< 0.10	105%	50%	140%	80%	60%	130%	97%	50%	140%
m & p-Xylene	6050473		<0.20	<0.20	NA	< 0.20	112%	50%	140%	86%	60%	130%	104%	50%	140%
Bromoform	6050473		<0.10	<0.10	NA	< 0.10	71%	50%	140%	76%	60%	130%	73%	50%	140%
Styrene	6050473		<0.10	<0.10	NA	< 0.10	94%	50%	140%	72%	60%	130%	87%	50%	140%
1,1,2,2-Tetrachloroethane	6050473		<0.10	<0.10	NA	< 0.10	103%	50%	140%	87%	60%	130%	88%	50%	140%
o-Xylene	6050473		<0.10	<0.10	NA	< 0.10	112%	50%	140%	85%	60%	130%	104%	50%	140%
1,3-Dichlorobenzene	6050473		<0.10	<0.10	NA	< 0.10	108%	50%	140%	95%	60%	130%	115%	50%	140%
1,4-Dichlorobenzene	6050473		<0.10	<0.10	NA	< 0.10	107%	50%	140%	96%	60%	130%	114%	50%	140%
1,2-Dichlorobenzene	6050473		<0.10	<0.10	NA	< 0.10	116%	50%	140%	92%	60%	130%	107%	50%	140%
n-Hexane	6050473		<0.20	<0.20	NA	< 0.20	78%	50%	140%	106%	60%	130%	79%	50%	140%
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)															
F1 (C6 to C10)	6050473		<25	<25	NA	< 25	88%	60%	140%	83%	60%	140%	89%	60%	140%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	6050473		<0.40	<0.40	NA	< 0.40	67%	50%	140%	74%	50%	140%	69%	50%	140%
Vinyl Chloride	6050473		<0.17	<0.17	NA	< 0.17	106%	50%	140%	109%	50%	140%	114%	50%	140%
Bromomethane	6050473		<0.20	<0.20	NA	< 0.20	72%	50%	140%	75%	50%	140%	78%	50%	140%
Trichlorofluoromethane	6050473		<0.40	<0.40	NA	< 0.40	70%	50%	140%	77%	50%	140%	77%	50%	140%
Acetone	6050473		<1.0	<1.0	NA	< 1.0	105%	50%	140%	104%	50%	140%	99%	50%	140%
1,1-Dichloroethylene	6050473		<0.30	<0.30	NA	< 0.30	107%	50%	140%	83%	60%	130%	101%	50%	140%
Methylene Chloride	6050473		<0.30	<0.30	NA	< 0.30	106%	50%	140%	94%	60%	130%	101%	50%	140%
trans- 1,2-Dichloroethylene	6050473		<0.20	<0.20	NA	< 0.20	112%	50%	140%	70%	60%	130%	101%	50%	140%
Methyl tert-butyl ether	6050473		<0.20	<0.20	NA	< 0.20	111%	50%	140%	85%	60%	130%	119%	50%	140%
1,1-Dichloroethane	6050473		<0.30	<0.30	NA	< 0.30	107%	50%	140%	105%	60%	130%	91%	50%	140%
Methyl Ethyl Ketone	6050473		<1.0	<1.0	NA	< 1.0	103%	50%	140%	118%	50%	140%	112%	50%	140%
cis- 1,2-Dichloroethylene	6050473		<0.20	<0.20	NA	< 0.20	96%	50%	140%	116%	60%	130%	83%	50%	140%
Chloroform	6050473		<0.20	<0.20	NA	< 0.20	98%	50%	140%	113%	60%	130%	109%	50%	140%
1,2-Dichloroethane	6050473		<0.20	<0.20	NA	< 0.20	104%	50%	140%	75%	60%	130%	83%	50%	140%
1,1,1-Trichloroethane	6050473		<0.30	<0.30	NA	< 0.30	103%	50%	140%	72%	60%	130%	88%	50%	140%
Carbon Tetrachloride	6050473		<0.20	<0.20	NA	< 0.20	65%	50%	140%	60%	60%	130%	70%	50%	140%
Benzene	6050473		<0.20	<0.20	NA	< 0.20	86%	50%	140%	87%	60%	130%	105%	50%	140%

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

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Aug 14, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,2-Dichloropropane	6050473		<0.20	<0.20	NA	< 0.20	108%	50%	140%	83%	60%	130%	98%	50%	140%
Trichloroethylene	6050473		<0.20	<0.20	NA	< 0.20	116%	50%	140%	83%	60%	130%	107%	50%	140%
Bromodichloromethane	6050473		<0.20	<0.20	NA	< 0.20	84%	50%	140%	63%	60%	130%	77%	50%	140%
Methyl Isobutyl Ketone	6050473		<1.0	<1.0	NA	< 1.0	72%	50%	140%	89%	50%	140%	89%	50%	140%
1,1,2-Trichloroethane	6050473		<0.20	<0.20	NA	< 0.20	99%	50%	140%	83%	60%	130%	98%	50%	140%
Toluene	6050473		<0.20	<0.20	NA	< 0.20	116%	50%	140%	86%	60%	130%	104%	50%	140%
Dibromochloromethane	6050473		<0.10	<0.10	NA	< 0.10	74%	50%	140%	62%	60%	130%	60%	50%	140%
Ethylene Dibromide	6050473		<0.10	<0.10	NA	< 0.10	91%	50%	140%	79%	60%	130%	92%	50%	140%
Tetrachloroethylene	6050473		<0.20	<0.20	NA	< 0.20	102%	50%	140%	89%	60%	130%	111%	50%	140%
1,1,1,2-Tetrachloroethane	6050473		<0.10	<0.10	NA	< 0.10	64%	50%	140%	65%	60%	130%	63%	50%	140%
Chlorobenzene	6050473		<0.10	<0.10	NA	< 0.10	114%	50%	140%	86%	60%	130%	103%	50%	140%
Ethylbenzene	6050473		<0.10	<0.10	NA	< 0.10	105%	50%	140%	80%	60%	130%	97%	50%	140%
m & p-Xylene	6050473		<0.20	<0.20	NA	< 0.20	112%	50%	140%	86%	60%	130%	104%	50%	140%
Bromoform	6050473		<0.10	<0.10	NA	< 0.10	71%	50%	140%	76%	60%	130%	73%	50%	140%
Styrene	6050473		<0.10	<0.10	NA	< 0.10	94%	50%	140%	72%	60%	130%	87%	50%	140%
1,1,2,2-Tetrachloroethane	6050473		<0.10	<0.10	NA	< 0.10	103%	50%	140%	87%	60%	130%	88%	50%	140%
o-Xylene	6050473		<0.10	<0.10	NA	< 0.10	112%	50%	140%	85%	60%	130%	104%	50%	140%
1,3-Dichlorobenzene	6050473		<0.10	<0.10	NA	< 0.10	108%	50%	140%	95%	60%	130%	115%	50%	140%
1,4-Dichlorobenzene	6050473		<0.10	<0.10	NA	< 0.10	107%	50%	140%	96%	60%	130%	114%	50%	140%
1,2-Dichlorobenzene	6050473		<0.10	<0.10	NA	< 0.10	116%	50%	140%	92%	60%	130%	107%	50%	140%
n-Hexane	6050473		<0.20	<0.20	NA	< 0.20	78%	50%	140%	106%	60%	130%	79%	50%	140%
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs) (Water)															
Benzene	6066734		<0.20	<0.20	NA	< 0.20	76%	60%	140%	81%	60%	140%	101%	60%	140%
Toluene	6066734		0.70	0.74	NA	< 0.20	77%	60%	140%	83%	60%	140%	91%	60%	140%
Ethylbenzene	6066734		<0.10	<0.10	NA	< 0.10	75%	60%	140%	83%	60%	140%	103%	60%	140%
m & p-Xylene	6066734		<0.20	<0.20	NA	< 0.20	79%	60%	140%	86%	60%	140%	104%	60%	140%
o-Xylene	6066734		<0.10	<0.10	NA	< 0.10	80%	60%	140%	88%	60%	140%	99%	60%	140%
F1 (C6 to C10)	6066734		<25	<25	NA	< 25	83%	60%	140%	95%	60%	140%	88%	60%	140%
F2 (C10 to C16)	6050277		< 100	< 100	NA	< 100	118%	60%	140%	77%	60%	140%	90%	60%	140%
F3 (C16 to C34)	6050277		< 100	< 100	NA	< 100	95%	60%	140%	74%	60%	140%	85%	60%	140%
F4 (C34 to C50)	6050277		< 100	< 100	NA	< 100	67%	60%	140%	65%	60%	140%	88%	60%	140%

Certified By: N Popowkolof

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

Water Analysis

RPT Date: Aug 14, 2024

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	DUPLICATE Dup #2	DUPLICATE RPD	Method Blank	REFERENCE MATERIAL Measured Value	REFERENCE MATERIAL Acceptable Limits Lower	REFERENCE MATERIAL Acceptable Limits Upper	METHOD BLANK SPIKE Recovery	METHOD BLANK SPIKE Acceptable Limits Lower	METHOD BLANK SPIKE Acceptable Limits Upper	MATRIX SPIKE Recovery	MATRIX SPIKE Acceptable Limits Lower	MATRIX SPIKE Acceptable Limits Upper
O. Reg. 153(511) - All Metals (Water)															
Dissolved Antimony	6058378	6058378	<1.0	<1.0	NA	< 1.0	104%	70%	130%	105%	80%	120%	117%	70%	130%
Dissolved Arsenic	6058378	6058378	<1.0	1.0	NA	< 1.0	103%	70%	130%	101%	80%	120%	100%	70%	130%
Dissolved Barium	6058378	6058378	118	121	2.5%	< 2.0	98%	70%	130%	100%	80%	120%	112%	70%	130%
Dissolved Beryllium	6058378	6058378	<0.50	<0.50	NA	< 0.50	102%	70%	130%	116%	80%	120%	111%	70%	130%
Dissolved Boron	6058378	6058378	<10.0	<10.0	NA	< 10.0	109%	70%	130%	121%	80%	120%	116%	70%	130%
Dissolved Cadmium	6058378	6058378	<0.20	<0.20	NA	< 0.20	100%	70%	130%	103%	80%	120%	107%	70%	130%
Dissolved Chromium	6058378	6058378	<2.0	<2.0	NA	< 2.0	107%	70%	130%	106%	80%	120%	119%	70%	130%
Dissolved Cobalt	6058378	6058378	<0.50	<0.50	NA	< 0.50	104%	70%	130%	102%	80%	120%	109%	70%	130%
Dissolved Copper	6058378	6058378	<1.0	<1.0	NA	< 1.0	101%	70%	130%	100%	80%	120%	107%	70%	130%
Dissolved Lead	6058378	6058378	<0.50	<0.50	NA	< 0.50	94%	70%	130%	97%	80%	120%	91%	70%	130%
Dissolved Molybdenum	6058378	6058378	8.63	8.42	2.5%	< 0.50	100%	70%	130%	101%	80%	120%	103%	70%	130%
Dissolved Nickel	6058378	6058378	1.5	<1.0	NA	< 1.0	112%	70%	130%	112%	80%	120%	109%	70%	130%
Dissolved Selenium	6058378	6058378	1.2	<1.0	NA	< 1.0	104%	70%	130%	106%	80%	120%	116%	70%	130%
Dissolved Silver	6058378	6058378	<0.20	<0.20	NA	< 0.20	92%	70%	130%	97%	80%	120%	73%	70%	130%
Dissolved Thallium	6058378	6058378	<0.30	<0.30	NA	< 0.30	98%	70%	130%	102%	80%	120%	94%	70%	130%
Dissolved Uranium	6058378	6058378	1.26	1.30	NA	< 0.50	103%	70%	130%	110%	80%	120%	112%	70%	130%
Dissolved Vanadium	6058378	6058378	<0.40	<0.40	NA	< 0.40	117%	70%	130%	117%	80%	120%	124%	70%	130%
Dissolved Zinc	6058378	6058378	5.1	<5.0	NA	< 5.0	101%	70%	130%	104%	80%	120%	116%	70%	130%
Mercury	6058378	6058378	<0.02	<0.02	NA	< 0.02	101%	70%	130%	95%	80%	120%	99%	70%	130%
Chromium VI	6055350		<2.000	<2.000	NA	< 2	97%	70%	130%	94%	80%	120%	110%	70%	130%

Comments: NA signifies Not Applicable.
Duplicate NA: results are under 5X the RDL and will not be calculated.
QA Qualifier for metals – Dissolved Boron: For a multi-element scan for lab control standards and matrix spikes, up to 10% of analytes may exceed the quoted limits by up to 10% absolute and it is considered acceptable.

O. Reg. 153(511) - Metals (Including Hydrides) (Water)															
Dissolved Antimony	6058378	6058378	<1.0	<1.0	NA	< 1.0	106%	70%	130%	105%	80%	120%	117%	70%	130%
Dissolved Arsenic	6058378	6058378	<1.0	<1.0	NA	< 1.0	103%	70%	130%	101%	80%	120%	100%	70%	130%
Dissolved Barium	6058378	6058378	118	121	2.5%	< 2.0	103%	70%	130%	100%	80%	120%	112%	70%	130%
Dissolved Beryllium	6058378	6058378	<0.50	<0.50	NA	< 0.50	102%	70%	130%	116%	80%	120%	111%	70%	130%
Dissolved Boron	6058378	6058378	<10.0	<10.0	NA	< 10.0	109%	70%	130%	121%	80%	120%	116%	70%	130%
Dissolved Cadmium	6058378	6058378	<0.20	<0.20	NA	< 0.20	100%	70%	130%	103%	80%	120%	107%	70%	130%
Dissolved Chromium	6058378	6058378	<2.0	<2.0	NA	< 2.0	102%	70%	130%	106%	80%	120%	119%	70%	130%
Dissolved Cobalt	6058378	6058378	<0.50	<0.50	NA	< 0.50	104%	70%	130%	102%	80%	120%	109%	70%	130%
Dissolved Copper	6058378	6058378	<1.0	<1.0	NA	< 1.0	103%	70%	130%	100%	80%	120%	107%	70%	130%
Dissolved Lead	6058378	6058378	<0.50	<0.50	NA	< 0.50	94%	70%	130%	97%	80%	120%	91%	70%	130%
Dissolved Molybdenum	6058378	6058378	8.63	8.42	2.5%	< 0.50	100%	70%	130%	101%	80%	120%	103%	70%	130%
Dissolved Nickel	6058378	6058378	1.5	<1.0	NA	< 1.0	112%	70%	130%	112%	80%	120%	109%	70%	130%
Dissolved Selenium	6058378	6058378	1.2	<1.0	NA	< 1.0	99%	70%	130%	106%	80%	120%	116%	70%	130%
Dissolved Silver	6058378	6058378	<0.20	<0.20	NA	< 0.20	92%	70%	130%	97%	80%	120%	73%	70%	130%

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

Water Analysis (Continued)

RPT Date: Aug 14, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Dissolved Thallium	6058378	6058378	<0.30	<0.30	NA	< 0.30	98%	70%	130%	102%	80%	120%	94%	70%	130%
Dissolved Uranium	6058378	6058378	1.26	1.30	NA	< 0.50	103%	70%	130%	110%	80%	120%	112%	70%	130%
Dissolved Vanadium	6058378	6058378	<0.40	<0.40	NA	< 0.40	117%	70%	130%	117%	80%	120%	124%	70%	130%
Dissolved Zinc	6058378	6058378	5.1	<5.0	NA	< 5.0	101%	70%	130%	104%	80%	120%	116%	70%	130%

Comments: NA signifies Not Applicable.
Duplicate NA: results are under 5X the RDL and will not be calculated.
QA Qualifier for metals – Dissolved Boron: For a multi-element scan for lab control standards and matrix spikes, up to 10% of analytes may exceed the quoted limits by up to 10% absolute and it is considered acceptable.

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

Mercury	6058378	6058378	<0.02	<0.02	NA	< 0.02	101%	70%	130%	95%	80%	120%	99%	70%	130%

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

Certified By: Iris Verástegui

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QC Exceedance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

RPT Date: Aug 14, 2024

PARAMETER	Sample Id	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
			Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - All Metals (Water)										
Dissolved Boron	6058378	109%	70%	130%	121%	80%	120%	116%	70%	130%

Comments: NA signifies Not Applicable.
Duplicate NA: results are under 5X the RDL and will not be calculated.
QA Qualifier for metals – Dissolved Boron: For a multi-element scan for lab control standards and matrix spikes, up to 10% of analytes may exceed the quoted limits by up to 10% absolute and it is considered acceptable.

O. Reg. 153(511) - Metals (Including Hydrides) (Water)										
Dissolved Boron	6058378	109%	70%	130%	121%	80%	120%	116%	70%	130%

Comments: NA signifies Not Applicable.
Duplicate NA: results are under 5X the RDL and will not be calculated.
QA Qualifier for metals – Dissolved Boron: For a multi-element scan for lab control standards and matrix spikes, up to 10% of analytes may exceed the quoted limits by up to 10% absolute and it is considered acceptable.

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Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

5835 COOPERS AVENUE
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http://www.agatlabs.com

Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ethylbenzene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
m & p-Xylene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
o-Xylene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
Xylenes (Total)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
F1 (C6 to C10)	VOL-91- 5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Vinyl Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromomethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Acetone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methylene Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
trans- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl tert-butyl ether	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
cis- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chloroform	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Benzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromodichloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

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http://www.agatlabs.com

Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

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

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H182602

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Mercury	MET-93-6100	modified from EPA 245.2 and SM 3112 B	CVAAS
Chromium VI	INOR-93-6073	modified from SM 3500-CR B	LACHAT FIA

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

Have feedback? Scan here for a quick survey!

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

Chain of Custody Record

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

Laboratory Use Only

Work Order #: 24H182602

Cooler Quantity: 1 out of 2

Arrival Temperatures: 7.5 | 7.4 | 7.3

~~Depot~~ Temperatures: 4.9 | 5.0 | 5.3

Custody Seal Intact: ☐ Yes ☐ No ☐ N/A

Notes: loose ice

Report Information:

Company: EXP Services Inc
Contact: 1266 South Service Rd
Address: Stoney Creek, ON
Jennifer Hayman
Phone: Fax:
Reports to be sent to:
1. Email: jennifer.hayman@exp.com
2. Email: nicole.mcguard@exp.com

Project Information:

Project: GTR-23006348-E1
Site Location: SSR
Sampled By: MH
AGAT Quote #: PO: GTR-23006348-E1
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐

Company: Exp
Contact: AP
Address:
Email: AP@exp.com

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 2 (Indicate One)
☐ Ind/Com ☒ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☒ Fine

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

☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

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

Report Guideline on Certificate of Analysis ☒ Yes ☐ No

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Legal Sample ☐

Sample Matrix Legend

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

	Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered (Metals, Hg, CrVI, DOC) Y/N	O. Reg 153: Metals & Inorganics	Metals - ☒ CrVI, ☒ Hg, ☐ HWSB	BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Arochlors ☐	O. Reg 406: Regulation 406 Characterization Package	pH, Metals, BTEX, F1-F4	EC, SAR	Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	TCLP: ☐ Metals ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	Corrosivity: ☐ Moisture ☐ Sulphide	F2						Potentially Hazardous or High Concentration (Y/N)
1.	MW1	Aug. 6/24	11:30AM AM/PM	11	GW		Y	X	X	X		X															
2.	MW110S		9:20AM AM/PM	3			Y	X													X						
3.	MW112		10:10AM AM/PM	3							X																
4.	MW122		10:10AM AM/PM	3							X																
5.	MW114		4:15pm AM/PM	3							X																
6.	MW127		12:20pm AM/PM	7						X		X															
7.	MW129		1:10pm AM/PM	11			Y	X	X	X	X	X															
8.	MW138		2:40pm AM/PM	3			Y	X													X						
9.	MW141		3:20pm AM/PM	6			Y	X			X										X						
10.	MW146		2:00pm AM/PM	3							X																
11.			AM/PM																								

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Martin Hluchaniuk M. Hluchaniuk	Aug. 7/24	2:40pm	Rod	Aug 7/24	2:55
Rod	Aug 7		T. Hluchaniuk	Aug 7	4pm

Page 1 of 1

N°: T-159921

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

Document ID: DW-78-1511-023

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Date Issued: Jan 16, 2024

AGAT Laboratories

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http://www.agatlabs.com

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Jennifer Hayman
PROJECT: GTR-23006348-E1
AGAT WORK ORDER: 24H184763
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
WATER ANALYSIS REVIEWED BY: Yris Verastegui, Inorganic Team Lead
DATE REPORTED: Aug 20, 2024
PAGES (INCLUDING COVER): 18
VERSION*: 1

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

Notes

Disclaimer:

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

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

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

DATE RECEIVED: 2024-08-13 **DATE REPORTED: 2024-08-20**

SAMPLE DESCRIPTION:				MW04	MW120	MW304	MW305	MW306	MW308S	MW308I	MW308D
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2024-08-09 10:35	2024-08-09 09:39	2024-08-12 09:59	2024-08-12 10:49	2024-08-12 11:45	2024-08-12 12:45	2024-08-12 13:15	2024-08-12 12:05
Parameter	Unit	G / S	RDL	6073579	6073581	6073582	6073586	6073588	6073596	6073597	6073598
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	<0.17	<0.17	<0.17	<0.17	**15.6**	**71.2**	<0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	1.36	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	0.30	1.80	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	6.57	7.91	**157**	<0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.25	<0.20	0.38
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20	<0.20	<0.20	0.42	0.71	**19.8**	<0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.56	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

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

DATE RECEIVED: 2024-08-13 **DATE REPORTED: 2024-08-20**

		SAMPLE DESCRIPTION:		MW04	MW120	MW304	MW305	MW306	MW308S	MW308I	MW308D
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-08-09 10:35	2024-08-09 09:39	2024-08-12 09:59	2024-08-12 10:49	2024-08-12 11:45	2024-08-12 12:45	2024-08-12 13:15	2024-08-12 12:05
Parameter	**Unit**	**G / S**	**RDL**	**6073579**	**6073581**	**6073582**	**6073586**	**6073588**	**6073596**	**6073597**	**6073598**
m & p-Xylene	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	0.38	<0.20	<0.20	<0.20
Bromoform	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20	<0.20	<0.20	<0.20	0.38	<0.20	<0.20	<0.20
n-Hexane	µg/L	520	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**									
Toluene-d8	% Recovery	50-140		108	105	102	103	101	96	101	99
4-Bromofluorobenzene	% Recovery	50-140		100	94	97	95	100	96	100	96

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AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

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

DATE RECEIVED: 2024-08-13

DATE REPORTED: 2024-08-20

		SAMPLE DESCRIPTION:		MW309	MW310	MW311	MW329	MW332D	MW332D0	MW335	MW335-0
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-08-12 14:30	2024-08-12 14:00	2024-08-12 15:00	2024-08-12 14:02	2024-08-12 09:30	2024-08-12 09:30	2024-08-12 16:00	2024-08-12 16:00
Parameter	**Unit**	**G / S**	**RDL**	**6073599**	**6073600**	**6073601**	**6073602**	**6073603**	**6073604**	**6073605**	**6073606**
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	**2.42**	<0.17	**7.51**	**3.52**	<0.17	<0.17	<0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	0.81	<0.20	11.1	1.79	<0.20	<0.20	<0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	0.24	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	<0.20	<0.20	<0.20	0.25	0.25	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10	<0.10	<0.10	0.13	0.13	<0.10	<0.10

Certified By: N Popnikolof

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AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

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

DATE RECEIVED: 2024-08-13 **DATE REPORTED: 2024-08-20**

				SAMPLE DESCRIPTION:	MW309	MW310	MW311	MW329	MW332D	MW332D0	MW335	MW335-0
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2024-08-12 14:30	2024-08-12 14:00	2024-08-12 15:00	2024-08-12 14:02	2024-08-12 09:30	2024-08-12 09:30	2024-08-12 16:00	2024-08-12 16:00
Parameter	**Unit**	**G / S**	**RDL**		**6073599**	**6073600**	**6073601**	**6073602**	**6073603**	**6073604**	**6073605**	**6073606**
m & p-Xylene	µg/L		0.20		<0.20	0.38	<0.20	<0.20	0.67	0.63	<0.20	<0.20
Bromoform	µg/L	25	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10		<0.10	0.12	<0.10	<0.10	0.21	0.20	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20		<0.20	0.50	<0.20	<0.20	0.88	0.83	<0.20	<0.20
n-Hexane	µg/L	520	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**										
Toluene-d8	% Recovery	50-140			106	90	101	96	106	102	104	108
4-Bromofluorobenzene	% Recovery	50-140			97	101	96	95	92	95	95	97

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AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

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

DATE RECEIVED: 2024-08-13

DATE REPORTED: 2024-08-20

		SAMPLE DESCRIPTION:		MW336	Trip Blank
		SAMPLE TYPE:		Water	Water
		DATE SAMPLED:		2024-08-12 13:15	2024-08-12
Parameter	Unit	G / S	RDL	6073608	6073609
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	<0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10

Certified By: N Popnikolof

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AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

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

DATE RECEIVED: 2024-08-13 **DATE REPORTED: 2024-08-20**

				SAMPLE DESCRIPTION:	MW336	Trip Blank
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2024-08-12 13:15	2024-08-12
Parameter	**Unit**	**G / S**	**RDL**		**6073608**	**6073609**
m & p-Xylene	µg/L		0.20		<0.20	<0.20
Bromoform	µg/L	25	0.10		<0.10	<0.10
Styrene	µg/L	5.4	0.10		<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10		<0.10	<0.10
o-Xylene	µg/L		0.10		<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10		<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10		<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10		<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30		<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20		<0.20	<0.20
n-Hexane	µg/L	520	0.20		<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**				
Toluene-d8	% Recovery	50-140			102	107
4-Bromofluorobenzene	% Recovery	50-140			95	98

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6073579-6073609 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2024-08-13

DATE REPORTED: 2024-08-20

				SAMPLE DESCRIPTION:	MW306	MW307	MW311
				SAMPLE TYPE:	Water	Water	Water
				DATE SAMPLED:	2024-08-12 11:45	2024-08-12 11:00	2024-08-12 15:00
Parameter	Unit	G / S	RDL		6073588	6073591	6073601
Dissolved Antimony	µg/L	6	1.0		<1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0		2.1	<1.0	6.4
Dissolved Barium	µg/L	1000	2.0		29.6	39.0	81.9
Dissolved Beryllium	µg/L	4	0.50		<0.50	<0.50	<0.50
Dissolved Boron	µg/L	5000	10.0		408	621	3620
Dissolved Cadmium	µg/L	2.7	0.20		<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	50	2.0		<2.0	<2.0	<2.0
Dissolved Cobalt	µg/L	3.8	0.50		1.08	1.00	<0.50
Dissolved Copper	µg/L	87	1.0		2.0	<1.0	2.4
Dissolved Lead	µg/L	10	0.50		<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50		2.35	2.12	0.75
Dissolved Nickel	µg/L	100	1.0		1.3	<1.0	<1.0
Dissolved Selenium	µg/L	10	1.0		1.6	<1.0	<1.0
Dissolved Silver	µg/L	1.5	0.20		<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	2	0.30		<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	20	0.50		2.22	0.59	<0.50
Dissolved Vanadium	µg/L	6.2	0.40		<0.40	<0.40	<0.40
Dissolved Zinc	µg/L	1100	5.0		<5.0	<5.0	9.1

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6073588-6073601 Metals analysis completed on a filtered sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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Exceedance Summary

AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
6073588	MW306	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	15.6
6073596	MW308S	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Trichloroethylene	µg/L	5	19.8
6073596	MW308S	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	71.2
6073596	MW308S	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	17	157
6073599	MW309	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	2.42
6073601	MW311	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	7.51
6073602	MW329	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	3.52

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

Trace Organics Analysis

RPT Date: Aug 20, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - VOCs (Water)															
Dichlorodifluoromethane	6073608	6073608	<0.40	<0.40	NA	< 0.40	78%	50%	140%	67%	50%	140%	61%	50%	140%
Vinyl Chloride	6073608	6073608	<0.17	<0.17	NA	< 0.17	106%	50%	140%	113%	50%	140%	115%	50%	140%
Bromomethane	6073608	6073608	<0.20	<0.20	NA	< 0.20	114%	50%	140%	92%	50%	140%	95%	50%	140%
Trichlorofluoromethane	6073608	6073608	<0.40	<0.40	NA	< 0.40	100%	50%	140%	106%	50%	140%	93%	50%	140%
Acetone	6073608	6073608	<1.0	<1.0	NA	< 1.0	88%	50%	140%	99%	50%	140%	103%	50%	140%
1,1-Dichloroethylene	6073608	6073608	<0.30	<0.30	NA	< 0.30	98%	50%	140%	97%	60%	130%	100%	50%	140%
Methylene Chloride	6073608	6073608	<0.30	<0.30	NA	< 0.30	83%	50%	140%	114%	60%	130%	115%	50%	140%
trans- 1,2-Dichloroethylene	6073608	6073608	<0.20	<0.20	NA	< 0.20	115%	50%	140%	110%	60%	130%	106%	50%	140%
Methyl tert-butyl ether	6073608	6073608	<0.20	<0.20	NA	< 0.20	108%	50%	140%	107%	60%	130%	102%	50%	140%
1,1-Dichloroethane	6073608	6073608	<0.30	<0.30	NA	< 0.30	119%	50%	140%	101%	60%	130%	108%	50%	140%
Methyl Ethyl Ketone	6073608	6073608	<1.0	<1.0	NA	< 1.0	103%	50%	140%	109%	50%	140%	116%	50%	140%
cis- 1,2-Dichloroethylene	6073608	6073608	<0.20	<0.20	NA	< 0.20	114%	50%	140%	101%	60%	130%	96%	50%	140%
Chloroform	6073608	6073608	<0.20	<0.20	NA	< 0.20	118%	50%	140%	109%	60%	130%	114%	50%	140%
1,2-Dichloroethane	6073608	6073608	<0.20	<0.20	NA	< 0.20	99%	50%	140%	96%	60%	130%	105%	50%	140%
1,1,1-Trichloroethane	6073608	6073608	<0.30	<0.30	NA	< 0.30	117%	50%	140%	107%	60%	130%	107%	50%	140%
Carbon Tetrachloride	6073608	6073608	<0.20	<0.20	NA	< 0.20	110%	50%	140%	102%	60%	130%	100%	50%	140%
Benzene	6073608	6073608	<0.20	<0.20	NA	< 0.20	109%	50%	140%	101%	60%	130%	104%	50%	140%
1,2-Dichloropropane	6073608	6073608	<0.20	<0.20	NA	< 0.20	117%	50%	140%	96%	60%	130%	101%	50%	140%
Trichloroethylene	6073608	6073608	<0.20	<0.20	NA	< 0.20	108%	50%	140%	100%	60%	130%	104%	50%	140%
Bromodichloromethane	6073608	6073608	<0.20	<0.20	NA	< 0.20	119%	50%	140%	99%	60%	130%	103%	50%	140%
Methyl Isobutyl Ketone	6073608	6073608	<1.0	<1.0	NA	< 1.0	86%	50%	140%	102%	50%	140%	107%	50%	140%
1,1,2-Trichloroethane	6073608	6073608	<0.20	<0.20	NA	< 0.20	120%	50%	140%	112%	60%	130%	113%	50%	140%
Toluene	6073608	6073608	<0.20	<0.20	NA	< 0.20	107%	50%	140%	109%	60%	130%	112%	50%	140%
Dibromochloromethane	6073608	6073608	<0.10	<0.10	NA	< 0.10	112%	50%	140%	109%	60%	130%	111%	50%	140%
Ethylene Dibromide	6073608	6073608	<0.10	<0.10	NA	< 0.10	105%	50%	140%	109%	60%	130%	114%	50%	140%
Tetrachloroethylene	6073608	6073608	<0.20	<0.20	NA	< 0.20	117%	50%	140%	110%	60%	130%	108%	50%	140%
1,1,1,2-Tetrachloroethane	6073608	6073608	<0.10	<0.10	NA	< 0.10	108%	50%	140%	112%	60%	130%	116%	50%	140%
Chlorobenzene	6073608	6073608	<0.10	<0.10	NA	< 0.10	119%	50%	140%	101%	60%	130%	105%	50%	140%
Ethylbenzene	6073608	6073608	<0.10	<0.10	NA	< 0.10	112%	50%	140%	102%	60%	130%	104%	50%	140%
m & p-Xylene	6073608	6073608	<0.20	<0.20	NA	< 0.20	113%	50%	140%	103%	60%	130%	106%	50%	140%
Bromoform	6073608	6073608	<0.10	<0.10	NA	< 0.10	109%	50%	140%	101%	60%	130%	108%	50%	140%
Styrene	6073608	6073608	<0.10	<0.10	NA	< 0.10	104%	50%	140%	94%	60%	130%	94%	50%	140%
1,1,2,2-Tetrachloroethane	6073608	6073608	<0.10	<0.10	NA	< 0.10	119%	50%	140%	103%	60%	130%	111%	50%	140%
o-Xylene	6073608	6073608	<0.10	<0.10	NA	< 0.10	117%	50%	140%	103%	60%	130%	107%	50%	140%
1,3-Dichlorobenzene	6073608	6073608	<0.10	<0.10	NA	< 0.10	108%	50%	140%	96%	60%	130%	95%	50%	140%
1,4-Dichlorobenzene	6073608	6073608	<0.10	<0.10	NA	< 0.10	108%	50%	140%	92%	60%	130%	95%	50%	140%
1,2-Dichlorobenzene	6073608	6073608	<0.10	<0.10	NA	< 0.10	112%	50%	140%	93%	60%	130%	97%	50%	140%
n-Hexane	6073608	6073608	<0.20	<0.20	NA	< 0.20	90%	50%	140%	98%	60%	130%	89%	50%	140%

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

Trace Organics Analysis (Continued)

RPT Date: Aug 20, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - VOCs (Water)															
Dichlorodifluoromethane	6073597	6073597	< 0.40	< 0.40	NA	< 0.40	78%	50%	140%	67%	50%	140%	61%	50%	140%
Vinyl Chloride	6073597	6073597	0.94	1.08	13.9%	< 0.17	106%	50%	140%	113%	50%	140%	115%	50%	140%
Bromomethane	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	114%	50%	140%	92%	50%	140%	95%	50%	140%
Trichlorofluoromethane	6073597	6073597	< 0.40	< 0.40	NA	< 0.40	100%	50%	140%	106%	50%	140%	93%	50%	140%
Acetone	6073597	6073597	< 1.0	< 1.0	NA	< 1.0	88%	50%	140%	99%	50%	140%	103%	50%	140%
1,1-Dichloroethylene	6073597	6073597	< 0.30	< 0.30	NA	< 0.30	98%	50%	140%	97%	60%	130%	100%	50%	140%
Methylene Chloride	6073597	6073597	< 0.30	< 0.30	NA	< 0.30	83%	50%	140%	114%	60%	130%	115%	50%	140%
trans- 1,2-Dichloroethylene	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	115%	50%	140%	110%	60%	130%	106%	50%	140%
Methyl tert-butyl ether	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	108%	50%	140%	107%	60%	130%	102%	50%	140%
1,1-Dichloroethane	6073597	6073597	< 0.30	< 0.30	NA	< 0.30	119%	50%	140%	101%	60%	130%	108%	50%	140%
Methyl Ethyl Ketone	6073597	6073597	< 1.0	< 1.0	NA	< 1.0	103%	50%	140%	109%	50%	140%	116%	50%	140%
cis- 1,2-Dichloroethylene	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	114%	50%	140%	101%	60%	130%	96%	50%	140%
Chloroform	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	118%	50%	140%	109%	60%	130%	114%	50%	140%
1,2-Dichloroethane	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	99%	50%	140%	96%	60%	130%	105%	50%	140%
1,1,1-Trichloroethane	6073597	6073597	< 0.30	< 0.30	NA	< 0.30	117%	50%	140%	107%	60%	130%	107%	50%	140%
Carbon Tetrachloride	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	110%	50%	140%	102%	60%	130%	100%	50%	140%
Benzene	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	109%	50%	140%	101%	60%	130%	104%	50%	140%
1,2-Dichloropropane	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	117%	50%	140%	96%	60%	130%	101%	50%	140%
Trichloroethylene	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	108%	50%	140%	100%	60%	130%	104%	50%	140%
Bromodichloromethane	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	119%	50%	140%	99%	60%	130%	103%	50%	140%
Methyl Isobutyl Ketone	6073597	6073597	< 1.0	< 1.0	NA	< 1.0	86%	50%	140%	102%	50%	140%	107%	50%	140%
1,1,2-Trichloroethane	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	120%	50%	140%	112%	60%	130%	113%	50%	140%
Toluene	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	107%	50%	140%	109%	60%	130%	112%	50%	140%
Dibromochloromethane	6073597	6073597	< 0.10	< 0.10	NA	< 0.10	112%	50%	140%	109%	60%	130%	111%	50%	140%
Ethylene Dibromide	6073597	6073597	< 0.10	< 0.10	NA	< 0.10	105%	50%	140%	109%	60%	130%	114%	50%	140%
Tetrachloroethylene	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	117%	50%	140%	110%	60%	130%	108%	50%	140%
1,1,1,2-Tetrachloroethane	6073597	6073597	< 0.10	< 0.10	NA	< 0.10	108%	50%	140%	112%	60%	130%	116%	50%	140%
Chlorobenzene	6073597	6073597	< 0.10	< 0.10	NA	< 0.10	119%	50%	140%	101%	60%	130%	105%	50%	140%
Ethylbenzene	6073597	6073597	< 0.10	< 0.10	NA	< 0.10	112%	50%	140%	102%	60%	130%	104%	50%	140%
m & p-Xylene	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	113%	50%	140%	103%	60%	130%	106%	50%	140%
Bromoform	6073597	6073597	< 0.10	< 0.10	NA	< 0.10	109%	50%	140%	101%	60%	130%	108%	50%	140%
Styrene	6073597	6073597	< 0.10	< 0.10	NA	< 0.10	104%	50%	140%	94%	60%	130%	94%	50%	140%
1,1,2,2-Tetrachloroethane	6073597	6073597	< 0.10	< 0.10	NA	< 0.10	119%	50%	140%	103%	60%	130%	111%	50%	140%
o-Xylene	6073597	6073597	< 0.10	< 0.10	NA	< 0.10	117%	50%	140%	103%	60%	130%	107%	50%	140%
1,3-Dichlorobenzene	6073597	6073597	< 0.10	< 0.10	NA	< 0.10	108%	50%	140%	96%	60%	130%	95%	50%	140%
1,4-Dichlorobenzene	6073597	6073597	< 0.10	< 0.10	NA	< 0.10	108%	50%	140%	92%	60%	130%	95%	50%	140%
1,2-Dichlorobenzene	6073597	6073597	< 0.10	< 0.10	NA	< 0.10	112%	50%	140%	93%	60%	130%	97%	50%	140%

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

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

Trace Organics Analysis (Continued)

RPT Date: Aug 20, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
n-Hexane	6073597	6073597	< 0.20	< 0.20	NA	< 0.20	90%	50%	140%	98%	60%	130%	89%	50%	140%

Certified By:

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Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

Water Analysis

RPT Date: Aug 20, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Water)															
Dissolved Antimony	6075996		<1.0	<1.0	NA	< 1.0	104%	70%	130%	110%	80%	120%	111%	70%	130%
Dissolved Arsenic	6075996		<1.0	<1.0	NA	< 1.0	92%	70%	130%	102%	80%	120%	104%	70%	130%
Dissolved Barium	6075996		348	345	0.9%	< 2.0	101%	70%	130%	100%	80%	120%	105%	70%	130%
Dissolved Beryllium	6075996		<0.50	<0.50	NA	< 0.50	96%	70%	130%	120%	80%	120%	120%	70%	130%
Dissolved Boron	6075996		174	176	1.1%	< 10.0	98%	70%	130%	117%	80%	120%	124%	70%	130%
Dissolved Cadmium	6075996		<0.20	<0.20	NA	< 0.20	100%	70%	130%	100%	80%	120%	103%	70%	130%
Dissolved Chromium	6075996		<2.0	<2.0	NA	< 2.0	98%	70%	130%	105%	80%	120%	104%	70%	130%
Dissolved Cobalt	6075996		3.54	3.05	14.9%	< 0.50	100%	70%	130%	106%	80%	120%	104%	70%	130%
Dissolved Copper	6075996		<1.0	<1.0	NA	< 1.0	100%	70%	130%	102%	80%	120%	98%	70%	130%
Dissolved Lead	6075996		<0.50	<0.50	NA	< 0.50	97%	70%	130%	104%	80%	120%	89%	70%	130%
Dissolved Molybdenum	6075996		29.7	24.7	18.4%	< 0.50	101%	70%	130%	107%	80%	120%	100%	70%	130%
Dissolved Nickel	6075996		10.2	8.7	15.9%	< 1.0	99%	70%	130%	106%	80%	120%	100%	70%	130%
Dissolved Selenium	6075996		1.1	<1.0	NA	< 1.0	100%	70%	130%	106%	80%	120%	107%	70%	130%
Dissolved Silver	6075996		<0.20	<0.20	NA	< 0.20	98%	70%	130%	95%	80%	120%	81%	70%	130%
Dissolved Thallium	6075996		<0.30	<0.30	NA	< 0.30	101%	70%	130%	104%	80%	120%	95%	70%	130%
Dissolved Uranium	6075996		6.94	6.97	0.4%	< 0.50	98%	70%	130%	98%	80%	120%	97%	70%	130%
Dissolved Vanadium	6075996		0.49	0.81	NA	< 0.40	101%	70%	130%	107%	80%	120%	118%	70%	130%
Dissolved Zinc	6075996		<5.0	<5.0	NA	< 5.0	98%	70%	130%	98%	80%	120%	102%	70%	130%

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

Certified By: Iris Verástegui

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Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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

Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

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

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

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

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H184763

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:South Service Road E., Oakville

SAMPLED BY:DB/JP

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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5835 Coopers Avenue
Mississauga, Ontario L4Z 1Y2
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webearth.agatlabs.com

Chain of Custody Record

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

Laboratory Use Only

Work Order #: 24H184763

Cooler Quantity: 4

Arrival Temperatures: 3.6 | 3.2 | 3.0

~~Depot~~ Temperatures: 5.0 | 5.1 | 5.3

Custody Seal Intact: ☐ Yes ☐ No ☐ N/A

Notes: LOOSE ICE

Report Information:

Company: EXP Services Inc.
Contact: Jennifer Hayman
Address: 1266 South Service Rd Stoney Creek
Phone: Fax:
Reports to be sent to:
1. Email: jennifer.hayman@exp.com
2. Email: nicole.mcquaid@exp.com

Project Information:

Project: GTR-230063418-E1
Site Location: S. Service Rd. E Oakville
Sampled By: DB/JP
AGAT Quote #: standing offer PO: GTR-230063418-E1
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☒

Company: EXP Services
Contact:
Address: AP@exp.com
Email:

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 2 (Indicate One)
☐ Ind/Com
☒ Res/Park
☐ Agriculture
Soil Texture (Check One)
☐ Coarse
☒ Fine

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

☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

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

Report Guideline on Certificate of Analysis ☒ Yes ☐ No

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Legal Sample ☐

Sample Matrix Legend

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals ☐ CrVI ☐ Hg ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: VOC	O. Reg 153: PAHs	O. Reg 153: PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package	O. Reg 406: pH, Metals, BTEX, F1-F4	O. Reg 406: EC, SAR	O. Reg 406: Regulation 406 SPLP Rainwater Leach	O. Reg 406: mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 558: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	Corrosivity: ☐ Moisture ☐ Sulphide	ICPMS metals							Potentially Hazardous or High Concentration (Y/N)
~~1.~~ MW04	24/8/9	10:36 AM/PM	3	GW						X																		
2. MW120	↓	9:39 AM/PM	3							X																		
3. MW304	24/8/12	9:59 AM/PM	3							X																		
4. MW305	↓	10:49 AM/PM	3							X																		
5. MW306		11:45 AM/PM	4			Y				X											X							
6. MW307		11:00 AM/PM	1			Y															X							
7. MW308S		12:45 AM/PM	3							X																		
8. MW308I		1:15 AM/PM	3							X																		
9. MW308D		12:05 AM/PM	3							X																		
10. MW309		2:30 AM/PM	3							X																		
11. MW310	↓	2:00 AM/PM	3	↓						X																		

Samples Relinquished By (Print Name and Sign): Nicole McQuaid	Date 24/8/13	Time 2:50	Samples Received By (Print Name and Sign): DJ/IC	Date AUG 13/24	Time 2:50 pm		
Samples Relinquished By (Print Name and Sign): DJ/IC	Date AUG 13/24	Time 3pm	Samples Received By (Print Name and Sign):	Date AUG 13	Time 4pm	Page 1 of 2	
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time	N°: T - 156874	

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

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

Chain of Custody Record

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

Report Information:

Company:
Contact:
Address: SAA Pg 1
Phone: Fax:
Reports to be sent to:
1. Email:
2. Email:

Project Information:

Project:
Site Location: SAA Pg. 1
Sampled By:
AGAT Quote #: PO:
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐

Company:
Contact: SAA Pg. 1
Address:
Email:

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☑ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☑ Fine

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

☐ Regulation 558

☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm — Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other — Indicate One

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

Report Guideline on Certificate of Analysis ☑ Yes ☐ No

Legal Sample ☐

Sample Matrix Legend

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

Laboratory Use Only

Work Order #: 24H184763
Cooler Quantity: 6
Arrival Temperatures: 3.6 | 3.2 | 3.0
Depot Temperatures: 5.0 | 5.1 | 5.3
Custody Seal Intact: ☐ Yes ☐ No ☑ N/A
Notes: LOOSE ICE

Turnaround Time (TAT) Required:

Regular TAT ☑ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	Metals - ☐ CrVI ☐ Hg ☐ HWSB	BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Arochlors ☐	O. Reg 406: Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4	EC, SAR	Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	Corrosivity: ☐ Moisture ☐ Sulphide	ICPMS metals						Potentially Hazardous or High Concentration (Y/N)
1. MW 311	24/8/12	3:00 PM	4	GW		Y				X								X						
2. MW 329		2:02 PM	3							X														
3. MW 332D		9:30 PM	3							X														
4. MW 332D-Ø		9:30 PM	3							X														
5. MW 335		4:00 PM	3							X														
6. MW 335-Ø		4:00 PM	3							X														
7. MW 336		1:15 PM	3							X														
8. Trip Blank		PM	3							X														
9.		PM																						
10.		PM																						
11.		PM																						

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Nicole McQuad	24/8/13	2:30		Aug 13/24	2:50pm
Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
	Aug 13/24	3pm		Aug 13	1pm
Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time

Page 2 of 2

N°: T - 156875

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Document ID: DIV-79-1511-023

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Date Issued: Jan 18, 2024

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

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Charlie Hill
PROJECT: GTR-23006348-E1
AGAT WORK ORDER: 24H175816
TRACE ORGANICS REVIEWED BY: Oksana Gushyla, Trace Organics Lab Supervisor
WATER ANALYSIS REVIEWED BY: Chuandi Zhang, Inorganic Supervisor
DATE REPORTED: Jul 26, 2024
PAGES (INCLUDING COVER): 18
VERSION*: 1

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

Notes

Disclaimer:

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

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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AGAT Laboratories

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TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 24H175816

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Charlie Hill

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-19

DATE REPORTED: 2024-07-26

				SAMPLE DESCRIPTION:	MW107	MW130	MW131
				SAMPLE TYPE:	Water	Water	Water
				DATE SAMPLED:	2024-07-17 12:00	2024-07-17 13:00	2024-07-17 13:30
Parameter	**Unit**	**G / S**	**RDL**		**6016076**	**6016079**	**6016084**
Naphthalene	µg/L	11	0.20		<0.20	<0.20	<0.20
Acenaphthylene	µg/L	1	0.20		<0.20	<0.20	<0.20
Acenaphthene	µg/L	4.1	0.20		<0.20	<0.20	<0.20
Fluorene	µg/L	120	0.20		<0.20	<0.20	<0.20
Phenanthrene	µg/L	1	0.10		<0.10	<0.10	<0.10
Anthracene	µg/L	2.4	0.10		<0.10	<0.10	<0.10
Fluoranthene	µg/L	0.41	0.20		<0.20	<0.20	<0.20
Pyrene	µg/L	4.1	0.20		<0.20	<0.20	<0.20
Benzo(a)anthracene	µg/L	1	0.20		<0.20	<0.20	<0.20
Chrysene	µg/L	0.1	0.10		<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.1	0.10		<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.1	0.10		<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.01	0.01		<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20		<0.20	<0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.2	0.20		<0.20	<0.20	<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20		<0.20	<0.20	<0.20
2-and 1-methyl Napthalene	µg/L	3.2	0.20		<0.20	<0.20	<0.20
Sediment					1	1	1
Surrogate	**Unit**	**Acceptable Limits**					
Naphthalene-d8	%	50-140			63	70	65
Acridine-d9	%	50-140			80	76	68
Terphenyl-d14	%	50-140			71	69	69

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24H175816

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Charlie Hill

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-19 **DATE REPORTED: 2024-07-26**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6016076-6016084 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&(j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 24H175816

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Charlie Hill

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-19

DATE REPORTED: 2024-07-26

				SAMPLE DESCRIPTION:	MW131
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2024-07-17 13:30
Parameter	**Unit**	**G / S**	**RDL**		**6016084**
Benzene	µg/L	5.0	0.20		<0.20
Toluene	µg/L	24	0.20		<0.20
Ethylbenzene	µg/L	2.4	0.10		<0.10
m & p-Xylene	µg/L		0.20		<0.20
o-Xylene	µg/L		0.10		<0.10
Xylenes (Total)	µg/L	300	0.20		<0.20
F1 (C6 to C10)	µg/L	750	25		<25
F1 (C6 to C10) minus BTEX	µg/L	750	25		<25
F2 (C10 to C16)	µg/L	150	100		<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100
F3 (C16 to C34)	µg/L	500	100		<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100
F4 (C34 to C50)	µg/L	500	100		<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA
Sediment					1
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	% Recovery	60-140			94.0
Terphenyl	% Recovery	60-140			74

Certified By:

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AGAT WORK ORDER: 24H175816

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Charlie Hill

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-19 **DATE REPORTED: 2024-07-26**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6016084 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
The C6-C10 fraction is calculated using toluene response factor.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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AGAT WORK ORDER: 24H175816

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Charlie Hill

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-19

DATE REPORTED: 2024-07-26

		SAMPLE DESCRIPTION:		MW111	Trip Blank
		SAMPLE TYPE:		Water	Water
		DATE SAMPLED:		2024-07-17 12:30	2024-07-17 12:00
Parameter	Unit	G / S	RDL	6016077	6016088
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40
Vinyl Chloride	µg/L	0.5	0.17	**1.46**	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	1.6	0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	0.20	0.51	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	0.20	**18.2**	<0.20
Chloroform	µg/L	2.4	0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	1.6	0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	0.79	0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20
Trichloroethylene	µg/L	1.6	0.20	**8.12**	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	4.7	0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	1.6	0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 24H175816

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Charlie Hill

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-19

DATE REPORTED: 2024-07-26

		SAMPLE DESCRIPTION:		MW111	Trip Blank
		SAMPLE TYPE:		Water	Water
		DATE SAMPLED:		2024-07-17 12:30	2024-07-17 12:00
Parameter	Unit	G / S	RDL	6016077	6016088
m & p-Xylene	µg/L		0.20	<0.20	<0.20
Bromoform	µg/L	25	0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20	<0.20
n-Hexane	µg/L	51	0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	% Recovery	50-140		106	102
4-Bromofluorobenzene	% Recovery	50-140		78	77

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6016077-6016088 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 24H175816

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Charlie Hill

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2024-07-19

DATE REPORTED: 2024-07-26

		SAMPLE DESCRIPTION:		MW204	MW312
		SAMPLE TYPE:		Water	Water
		DATE SAMPLED:		2024-07-17 14:00	2024-07-17 14:30
Parameter	Unit	G / S	RDL	6016085	6016086
Dissolved Antimony	µg/L	6	1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0	1.2	1.7
Dissolved Barium	µg/L	1000	2.0	36.8	35.3
Dissolved Beryllium	µg/L	4	0.50	<0.50	<0.50
Dissolved Boron	µg/L	5000	10.0	591	195
Dissolved Cadmium	µg/L	2.7	0.20	<0.20	<0.20
Dissolved Chromium	µg/L	50	2.0	<2.0	<2.0
Dissolved Cobalt	µg/L	3.8	0.50	<0.50	<0.50
Dissolved Copper	µg/L	87	1.0	<1.0	<1.0
Dissolved Lead	µg/L	10	0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50	7.97	10.1
Dissolved Nickel	µg/L	100	1.0	5.4	4.0
Dissolved Selenium	µg/L	10	1.0	<1.0	<1.0
Dissolved Silver	µg/L	1.5	0.20	<0.20	<0.20
Dissolved Thallium	µg/L	2	0.30	<0.30	<0.30
Dissolved Uranium	µg/L	20	0.50	<0.50	1.61
Dissolved Vanadium	µg/L	6.2	0.40	<0.40	<0.40
Dissolved Zinc	µg/L	1100	5.0	<5.0	<5.0

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6016085-6016086 Metals analysis completed on a filtered sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24H175816

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Charlie Hill

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

DATE RECEIVED: 2024-07-19

DATE REPORTED: 2024-07-26

				SAMPLE DESCRIPTION:	MW204	MW312
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2024-07-17 14:00	2024-07-17 14:30
Parameter	Unit	G / S	RDL		6016085	6016086
Mercury	µg/L	0.1	0.02		<0.02	<0.02

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 1: Full Depth Background Site Condition Standards - Ground Water - All Types of Property Uses
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6016085-6016086 pH is a recommended field analysis taken within 15 minutes of sample collection. Due to the potential for rapid change in sample equilibrium chemistry laboratory results may differ from field measured results.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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Exceedance Summary

AGAT WORK ORDER: 24H175816

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Charlie Hill

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
6016077	MW111	ON T2 PGW CT	O. Reg. 153(511) - VOCs (Water)	Trichloroethylene	µg/L	1.6	8.12
6016077	MW111	ON T2 PGW CT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	0.5	1.46
6016077	MW111	ON T2 PGW CT	O. Reg. 153(511) - VOCs (Water)	cis- 1,2-Dichloroethylene	µg/L	1.6	18.2

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC
AGAT WORK ORDER: 24H175816
PROJECT: GTR-23006348-E1
ATTENTION TO: Charlie Hill
SAMPLING SITE:OAKVILLE
SAMPLED BY:CH

Trace Organics Analysis

RPT Date: Jul 26, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs) (Water)															
Benzene	6016345		<0.20	<0.20	NA	< 0.20	99%	60%	140%	85%	60%	140%	98%	60%	140%
Toluene	6016345		<0.20	<0.20	NA	< 0.20	73%	60%	140%	84%	60%	140%	84%	60%	140%
Ethylbenzene	6016345		<0.10	<0.10	NA	< 0.10	78%	60%	140%	77%	60%	140%	104%	60%	140%
m & p-Xylene	6016345		<0.20	<0.20	NA	< 0.20	89%	60%	140%	83%	60%	140%	91%	60%	140%
o-Xylene	6016345		<0.10	<0.10	NA	< 0.10	82%	60%	140%	84%	60%	140%	97%	60%	140%
F1 (C6 to C10)	6016345		<25	<25	NA	< 25	92%	60%	140%	84%	60%	140%	95%	60%	140%
F2 (C10 to C16)	6010416		277	278	NA	< 100	89%	60%	140%	76%	60%	140%	65%	60%	140%
F3 (C16 to C34)	6010416		<100	<100	NA	< 100	93%	60%	140%	82%	60%	140%	67%	60%	140%
F4 (C34 to C50)	6010416		<100	<100	NA	< 100	80%	60%	140%	90%	60%	140%	91%	60%	140%
O. Reg. 153(511) - VOCs (Water)															
Dichlorodifluoromethane	6016077	6016077	< 0.40	< 0.40	NA	< 0.40	65%	50%	140%	86%	50%	140%	95%	50%	140%
Vinyl Chloride	6016077	6016077	1.46	1.48	1.4%	< 0.17	109%	50%	140%	109%	50%	140%	114%	50%	140%
Bromomethane	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	108%	50%	140%	110%	50%	140%	109%	50%	140%
Trichlorofluoromethane	6016077	6016077	< 0.40	< 0.40	NA	< 0.40	107%	50%	140%	113%	50%	140%	111%	50%	140%
Acetone	6016077	6016077	< 1.0	< 1.0	NA	< 1.0	83%	50%	140%	108%	50%	140%	106%	50%	140%
1,1-Dichloroethylene	6016077	6016077	< 0.30	< 0.30	NA	< 0.30	111%	50%	140%	92%	60%	130%	113%	50%	140%
Methylene Chloride	6016077	6016077	< 0.30	< 0.30	NA	< 0.30	116%	50%	140%	117%	60%	130%	114%	50%	140%
trans- 1,2-Dichloroethylene	6016077	6016077	0.51	0.40	NA	< 0.20	92%	50%	140%	78%	60%	130%	81%	50%	140%
Methyl tert-butyl ether	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	73%	50%	140%	85%	60%	130%	79%	50%	140%
1,1-Dichloroethane	6016077	6016077	< 0.30	< 0.30	NA	< 0.30	100%	50%	140%	90%	60%	130%	89%	50%	140%
Methyl Ethyl Ketone	6016077	6016077	< 1.0	< 1.0	NA	< 1.0	84%	50%	140%	117%	50%	140%	93%	50%	140%
cis- 1,2-Dichloroethylene	6016077	6016077	18.2	19.7	7.9%	< 0.20	99%	50%	140%	95%	60%	130%	96%	50%	140%
Chloroform	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	103%	50%	140%	95%	60%	130%	98%	50%	140%
1,2-Dichloroethane	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	96%	50%	140%	90%	60%	130%	97%	50%	140%
1,1,1-Trichloroethane	6016077	6016077	< 0.30	< 0.30	NA	< 0.30	92%	50%	140%	78%	60%	130%	83%	50%	140%
Carbon Tetrachloride	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	105%	50%	140%	92%	60%	130%	101%	50%	140%
Benzene	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	101%	50%	140%	86%	60%	130%	91%	50%	140%
1,2-Dichloropropane	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	95%	50%	140%	87%	60%	130%	86%	50%	140%
Trichloroethylene	6016077	6016077	8.12	8.33	2.6%	< 0.20	97%	50%	140%	86%	60%	130%	96%	50%	140%
Bromodichloromethane	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	103%	50%	140%	92%	60%	130%	93%	50%	140%
Methyl Isobutyl Ketone	6016077	6016077	< 1.0	< 1.0	NA	< 1.0	78%	50%	140%	103%	50%	140%	88%	50%	140%
1,1,2-Trichloroethane	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	112%	50%	140%	111%	60%	130%	101%	50%	140%
Toluene	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	108%	50%	140%	106%	60%	130%	101%	50%	140%
Dibromochloromethane	6016077	6016077	< 0.10	< 0.10	NA	< 0.10	97%	50%	140%	100%	60%	130%	86%	50%	140%
Ethylene Dibromide	6016077	6016077	< 0.10	< 0.10	NA	< 0.10	104%	50%	140%	105%	60%	130%	94%	50%	140%
Tetrachloroethylene	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	94%	50%	140%	97%	60%	130%	98%	50%	140%
1,1,1,2-Tetrachloroethane	6016077	6016077	< 0.10	< 0.10	NA	< 0.10	98%	50%	140%	99%	60%	130%	90%	50%	140%
Chlorobenzene	6016077	6016077	< 0.10	< 0.10	NA	< 0.10	104%	50%	140%	98%	60%	130%	93%	50%	140%
Ethylbenzene	6016077	6016077	< 0.10	< 0.10	NA	< 0.10	98%	50%	140%	95%	60%	130%	90%	50%	140%

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Quality Assurance

CLIENT NAME: EXP SERVICES INC
AGAT WORK ORDER: 24H175816
PROJECT: GTR-23006348-E1
ATTENTION TO: Charlie Hill
SAMPLING SITE:OAKVILLE
SAMPLED BY:CH

Trace Organics Analysis (Continued)

RPT Date: Jul 26, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
m & p-Xylene	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	104%	50%	140%	102%	60%	130%	97%	50%	140%
Bromoform	6016077	6016077	< 0.10	< 0.10	NA	< 0.10	96%	50%	140%	95%	60%	130%	77%	50%	140%
Styrene	6016077	6016077	< 0.10	< 0.10	NA	< 0.10	103%	50%	140%	103%	60%	130%	91%	50%	140%
1,1,2,2-Tetrachloroethane	6016077	6016077	< 0.10	< 0.10	NA	< 0.10	109%	50%	140%	107%	60%	130%	101%	50%	140%
o-Xylene	6016077	6016077	< 0.10	< 0.10	NA	< 0.10	109%	50%	140%	106%	60%	130%	99%	50%	140%
1,3-Dichlorobenzene	6016077	6016077	< 0.10	< 0.10	NA	< 0.10	107%	50%	140%	104%	60%	130%	93%	50%	140%
1,4-Dichlorobenzene	6016077	6016077	< 0.10	< 0.10	NA	< 0.10	104%	50%	140%	104%	60%	130%	93%	50%	140%
1,2-Dichlorobenzene	6016077	6016077	< 0.10	< 0.10	NA	< 0.10	102%	50%	140%	98%	60%	130%	86%	50%	140%
n-Hexane	6016077	6016077	< 0.20	< 0.20	NA	< 0.20	108%	50%	140%	94%	60%	130%	105%	50%	140%
O. Reg. 153(511) - PAHs (Water)															
Naphthalene	6013411		<0.20	<0.20	NA	< 0.20	80%	50%	140%	80%	50%	140%	76%	50%	140%
Acenaphthylene	6013411		<0.20	<0.20	NA	< 0.20	81%	50%	140%	80%	50%	140%	77%	50%	140%
Acenaphthene	6013411		<0.20	<0.20	NA	< 0.20	83%	50%	140%	75%	50%	140%	82%	50%	140%
Fluorene	6013411		<0.20	<0.20	NA	< 0.20	82%	50%	140%	78%	50%	140%	85%	50%	140%
Phenanthrene	6013411		<0.10	<0.10	NA	< 0.10	86%	50%	140%	81%	50%	140%	89%	50%	140%
Anthracene	6013411		<0.10	<0.10	NA	< 0.10	67%	50%	140%	73%	50%	140%	79%	50%	140%
Fluoranthene	6013411		<0.20	<0.20	NA	< 0.20	89%	50%	140%	86%	50%	140%	95%	50%	140%
Pyrene	6013411		<0.20	<0.20	NA	< 0.20	88%	50%	140%	85%	50%	140%	94%	50%	140%
Benzo(a)anthracene	6013411		<0.20	<0.20	NA	< 0.20	73%	50%	140%	71%	50%	140%	79%	50%	140%
Chrysene	6013411		<0.10	<0.10	NA	< 0.10	106%	50%	140%	91%	50%	140%	101%	50%	140%
Benzo(b)fluoranthene	6013411		<0.10	<0.10	NA	< 0.10	100%	50%	140%	72%	50%	140%	77%	50%	140%
Benzo(k)fluoranthene	6013411		<0.10	<0.10	NA	< 0.10	80%	50%	140%	97%	50%	140%	107%	50%	140%
Benzo(a)pyrene	6013411		<0.01	<0.01	NA	< 0.01	81%	50%	140%	92%	50%	140%	86%	50%	140%
Indeno(1,2,3-cd)pyrene	6013411		<0.20	<0.20	NA	< 0.20	77%	50%	140%	70%	50%	140%	79%	50%	140%
Dibenz(a,h)anthracene	6013411		<0.20	<0.20	NA	< 0.20	70%	50%	140%	80%	50%	140%	73%	50%	140%
Benzo(g,h,i)perylene	6013411		<0.20	<0.20	NA	< 0.20	76%	50%	140%	101%	50%	140%	108%	50%	140%

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H175816

PROJECT: GTR-23006348-E1

ATTENTION TO: Charlie Hill

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

Water Analysis

RPT Date: Jul 26, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Water)															
Dissolved Antimony	6014345		<1.0	<1.0	NA	< 1.0	104%	70%	130%	107%	80%	120%	116%	70%	130%
Dissolved Arsenic	6014345		<1.0	<1.0	NA	< 1.0	102%	70%	130%	103%	80%	120%	115%	70%	130%
Dissolved Barium	6014345		73.5	73.4	0.1%	< 2.0	88%	70%	130%	96%	80%	120%	96%	70%	130%
Dissolved Beryllium	6014345		<0.50	<0.50	NA	< 0.50	100%	70%	130%	107%	80%	120%	108%	70%	130%
Dissolved Boron	6014345		16.7	18.8	NA	< 10.0	96%	70%	130%	108%	80%	120%	107%	70%	130%
Dissolved Cadmium	6014345		<0.20	<0.20	NA	< 0.20	101%	70%	130%	104%	80%	120%	110%	70%	130%
Dissolved Chromium	6014345		<2.0	<2.0	NA	< 2.0	99%	70%	130%	110%	80%	120%	105%	70%	130%
Dissolved Cobalt	6014345		0.88	1.03	NA	< 0.50	100%	70%	130%	108%	80%	120%	105%	70%	130%
Dissolved Copper	6014345		<1.0	<1.0	NA	< 1.0	99%	70%	130%	106%	80%	120%	100%	70%	130%
Dissolved Lead	6014345		0.59	<0.50	NA	< 0.50	102%	70%	130%	107%	80%	120%	104%	70%	130%
Dissolved Molybdenum	6014345		15.5	14.8	4.6%	< 0.50	103%	70%	130%	113%	80%	120%	113%	70%	130%
Dissolved Nickel	6014345		3.8	3.3	NA	< 1.0	98%	70%	130%	107%	80%	120%	103%	70%	130%
Dissolved Selenium	6014345		1.1	4.0	NA	< 1.0	105%	70%	130%	100%	80%	120%	121%	70%	130%
Dissolved Silver	6014345		<0.20	<0.20	NA	< 0.20	99%	70%	130%	107%	80%	120%	102%	70%	130%
Dissolved Thallium	6014345		<0.30	<0.30	NA	< 0.30	100%	70%	130%	107%	80%	120%	104%	70%	130%
Dissolved Uranium	6014345		<0.50	<0.50	NA	< 0.50	102%	70%	130%	111%	80%	120%	109%	70%	130%
Dissolved Vanadium	6014345		7.63	8.31	8.5%	< 0.40	99%	70%	130%	111%	80%	120%	112%	70%	130%
Dissolved Zinc	6014345		126	140	10.5%	< 5.0	101%	70%	130%	101%	80%	120%	107%	70%	130%

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

O. Reg. 153(511) - ORPs (Water)															
Mercury	6014285		<0.02	<0.02	NA	< 0.02	106%	70%	130%	97%	80%	120%	102%	70%	130%

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

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H175816

PROJECT: GTR-23006348-E1

ATTENTION TO: Charlie Hill

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

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ATTENTION TO: Charlie Hill

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Vinyl Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromomethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Acetone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methylene Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
trans- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl tert-butyl ether	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
cis- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chloroform	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Benzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromodichloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Toluene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Dibromochloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

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Method Summary

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AGAT WORK ORDER: 24H175816

PROJECT: GTR-23006348-E1

ATTENTION TO: Charlie Hill

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH

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

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Mercury	MET-93-6100	modified from EPA 245.2 and SM 3112 B	CVAAS

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

Have feedback? Scan here for a quick survey!

5835 Coopers Avenue
Mississauga, Ontario L4Z 1Y2
Ph: 905.712.5100 Fax: 905.712.5122
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Chain of Custody Record

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

Report Information:

Company: EXP Services Inc
Contact: Jennifer Hayman
Address: 1266 South Service Rd
Stoney Creek, ON
Phone: 905-573-4000 Fax:
Reports to be sent to:
1. Email: jennifer.hayman@exp.com
2. Email: Charlie.hill@exp.com

Project Information:

Project: GTR-23006348-61
Site Location: South Service Rd, Oakville
Sampled By: CH
AGAT Quote #: PO: GTR-23006348-61
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐
Company: EXP Services Inc
Contact: Accounts Payable
Address:
Email: AP@exp.com

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☑ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☐ Fine
☐ Regulation 406 — Table (Indicate One) — ☐ Ind/Com ☐ Res/Park ☐ Agriculture
☐ Regulation 558
☐ CCME
☐ Sewer Use ☐ Sanitary ☐ Storm — Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other — Indicate One

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

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

Legal Sample ☐

Sample Matrix Legend

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

Laboratory Use Only

Work Order #: 24H175816
Cooler Quantity: 3m Cooler
Arrival Temperatures: 1.5 | 2.0 | 2.2
Depot Temperatures: 0.8 | 0.9 | 1.2
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: LOOSE ICE

Turnaround Time (TAT) Required:

Regular TAT ☐ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CSR

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	Metals ☐ CrVI, ☐ Hg, ☐ HWSB (TCLP)	BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package	pH, Metals, BTEX, F1-F4	EC, SAR	Regulation 406 SPLP Rainwater Leach	mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ DOC	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ B(a)P ☐ PCBs	TCLP: ☐ M&I ☐ VOCs ☐ ABNs	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. MW107	24/7/17	12:00 AM/PM	2	GW							X										
2. MW111	↓	12:30 AM/PM	3	↓						X											
3. MW130		13:00 AM/PM	2								X										
4. MW131		13:30 AM/PM	7						X		X										
5. MW204		14:00 AM/PM	3					X													
6. MW312	↓	14:30 AM/PM	3	↓				X													
7. Trip Blank	↓	12:00 AM/PM	3	↓						X											
8.		AM/PM																			
9.		AM/PM																			
10.		AM/PM																			
11.		AM/PM																			

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Charlie Hill	24/7/19	2:00pm	DTAC	July 19/24	2:25pm
DTAC	July 19/24	3pm		19.7.24	16:15

Page 1 of 1

N°: T-154618

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

Document ID: DIV-78-1511-023

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AGAT Laboratories

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TEL (905)712-5100
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http://www.agatlabs.com

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Jennifer Hayman
PROJECT: GTR-23006348-E1
AGAT WORK ORDER: 24T183314
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
WATER ANALYSIS REVIEWED BY: Yris Verastegui, Inorganic Team Lead
DATE REPORTED: Aug 16, 2024
PAGES (INCLUDING COVER): 24
VERSION*: 1

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

Notes

Disclaimer:

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

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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Certificate of Analysis

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

DATE RECEIVED: 2024-08-08

DATE REPORTED: 2024-08-16

		SAMPLE DESCRIPTION:		MW137
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2024-08-08 12:00
Parameter	**Unit**	**G / S**	**RDL**	**6061511**
Naphthalene	µg/L	11	0.20	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20
Acenaphthene	µg/L	4.1	0.20	<0.20
Fluorene	µg/L	120	0.20	<0.20
Phenanthrene	µg/L	1	0.10	<0.10
Anthracene	µg/L	2.4	0.10	<0.10
Fluoranthene	µg/L	0.41	0.20	<0.20
Pyrene	µg/L	4.1	0.20	<0.20
Benzo(a)anthracene	µg/L	1	0.20	<0.20
Chrysene	µg/L	0.1	0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.1	0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.1	0.10	<0.10
Benzo(a)pyrene	µg/L	0.01	0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.2	0.20	<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20	<0.20
2-and 1-methyl Napthalene	µg/L	3.2	0.20	<0.20
Sediment				1
Surrogate	**Unit**	**Acceptable Limits**		
Naphthalene-d8	%	50-140		100
Acridine-d9	%	50-140		117
Terphenyl-d14	%	50-140		93

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

DATE RECEIVED: 2024-08-08 **DATE REPORTED: 2024-08-16**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6061511 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&(j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

DATE RECEIVED: 2024-08-08

DATE REPORTED: 2024-08-16

		SAMPLE DESCRIPTION:		MW137
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2024-08-08 12:00
Parameter	**Unit**	**G / S**	**RDL**	**6061511**
F1 (C6 to C10)	µg/L	750	25	<25
F1 (C6 to C10) minus BTEX	µg/L	750	25	<25
F2 (C10 to C16)	µg/L	150	100	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100	<100
F3 (C16 to C34)	µg/L	500	100	<100
F3 (C16 to C34) minus PAHs	µg/L		100	<100
F4 (C34 to C50)	µg/L	500	100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500	NA
Sediment				1
Surrogate	**Unit**	**Acceptable Limits**		
Toluene-d8	%	50-140		100
Terphenyl	% Recovery	60-140		71

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

DATE RECEIVED: 2024-08-08 **DATE REPORTED: 2024-08-16**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6061511 The C6-C10 fraction is calculated using toluene response factor.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

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

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

DATE RECEIVED: 2024-08-08 **DATE REPORTED: 2024-08-16**

		SAMPLE DESCRIPTION:		MW151	MW1511	MW327	MW123	MW139	MW145	MW122	MW116
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-08-08	2024-08-08	2024-08-08	2024-08-08	2024-08-08	2024-08-08	2024-08-08	2024-08-08 12:00
Parameter	Unit	G / S	RDL	6061499	6061500	6061501	6061502	6061503	6061504	6061505	6061506
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	<0.17	<0.17	**2.53**	<0.17	<0.17	<0.17	<0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	12.2	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.45	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20	<0.20	1.55	<0.20	<0.20	2.14	<0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	0.32	0.26	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	0.19	0.17	<0.10	0.12	<0.10	0.14	0.13	<0.10

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

DATE RECEIVED: 2024-08-08 **DATE REPORTED: 2024-08-16**

		SAMPLE DESCRIPTION:		MW151	MW1511	MW327	MW123	MW139	MW145	MW122	MW116
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-08-08	2024-08-08	2024-08-08	2024-08-08	2024-08-08	2024-08-08	2024-08-08	2024-08-08 12:00
Parameter	**Unit**	**G / S**	**RDL**	**6061499**	**6061500**	**6061501**	**6061502**	**6061503**	**6061504**	**6061505**	**6061506**
m & p-Xylene	µg/L		0.20	0.89	0.77	0.40	0.53	<0.20	0.64	0.60	0.44
Bromoform	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	0.25	0.22	<0.10	0.15	<0.10	0.16	0.16	0.13
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	1.14	0.99	0.40	0.68	<0.20	0.80	0.76	0.57
n-Hexane	µg/L	520	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**									
Toluene-d8	% Recovery	50-140		102	101	101	103	96	104	98	100
4-Bromofluorobenzene	% Recovery	50-140		105	104	101	98	103	102	101	100

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

DATE RECEIVED: 2024-08-08 **DATE REPORTED: 2024-08-16**

		SAMPLE DESCRIPTION:		MW101	MW108	MW143	MW2	TRIP BLANK
		SAMPLE TYPE:		Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-08-08 12:00	2024-08-08 12:00	2024-08-08 12:00	2024-08-08 12:00	
Parameter	Unit	G / S	RDL	6061507	6061508	6061509	6061510	6061512
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	<0.20	0.27	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	<0.10	0.17	<0.10	<0.10

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

DATE RECEIVED: 2024-08-08 **DATE REPORTED: 2024-08-16**

		SAMPLE DESCRIPTION:		MW101	MW108	MW143	MW2	TRIP BLANK
		SAMPLE TYPE:		Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-08-08 12:00	2024-08-08 12:00	2024-08-08 12:00	2024-08-08 12:00	
Parameter	**Unit**	**G / S**	**RDL**	**6061507**	**6061508**	**6061509**	**6061510**	**6061512**
m & p-Xylene	µg/L		0.20	<0.20	<0.20	0.78	<0.20	<0.20
Bromoform	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	<0.10	<0.10	0.23	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20	<0.20	1.01	<0.20	<0.20
n-Hexane	µg/L	520	0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**						
Toluene-d8	% Recovery	50-140		101	104	100	102	106
4-Bromofluorobenzene	% Recovery	50-140		97	101	101	100	97

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6061499-6061512 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

DATE RECEIVED: 2024-08-08

DATE REPORTED: 2024-08-16

		SAMPLE DESCRIPTION:		MW137
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2024-08-08 12:00
Parameter	Unit	G / S	RDL	6061511
Dichlorodifluoromethane	µg/L	590	0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20
Trichloroethylene	µg/L	5	0.20	0.66
Bromodichloromethane	µg/L	16	0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20
Toluene	µg/L	24	0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

DATE RECEIVED: 2024-08-08 **DATE REPORTED: 2024-08-16**

				SAMPLE DESCRIPTION:	MW137
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2024-08-08 12:00
Parameter	**Unit**	**G / S**	**RDL**	**6061511**	
m & p-Xylene	µg/L		0.20	<0.20	
Bromoform	µg/L	25	0.10	<0.10	
Styrene	µg/L	5.4	0.10	<0.10	
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	
o-Xylene	µg/L		0.10	<0.10	
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	
Xylenes (Total)	µg/L	300	0.20	<0.20	
n-Hexane	µg/L	520	0.20	<0.20	
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	% Recovery	50-140		100	
4-Bromofluorobenzene	% Recovery	50-140		99	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6061511 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2024-08-08 **DATE REPORTED: 2024-08-16**

		SAMPLE DESCRIPTION:		MW2
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2024-08-08 12:00
Parameter	**Unit**	**G / S**	**RDL**	**6061510**
Dissolved Antimony	µg/L	6	1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0	<1.0
Dissolved Barium	µg/L	1000	2.0	42.7
Dissolved Beryllium	µg/L	4	0.50	<0.50
Dissolved Boron	µg/L	5000	48.0	2330
Dissolved Cadmium	µg/L	2.7	0.20	<0.20
Dissolved Chromium	µg/L	50	2.0	<2.0
Dissolved Cobalt	µg/L	3.8	0.50	<0.50
Dissolved Copper	µg/L	87	1.0	<1.0
Dissolved Lead	µg/L	10	0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50	0.55
Dissolved Nickel	µg/L	100	1.0	<1.0
Dissolved Selenium	µg/L	10	1.0	1.8
Dissolved Silver	µg/L	1.5	0.20	0.34
Dissolved Thallium	µg/L	2	0.30	<0.30
Dissolved Uranium	µg/L	20	0.50	<0.50
Dissolved Vanadium	µg/L	6.2	0.40	<0.40
Dissolved Zinc	µg/L	1100	5.0	40.8

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6061510 Metals analysis completed on a filtered sample.
Dilution required, RDL has been increased accordingly.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Iris Verástegui

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Exceedance Summary

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
6061501	MW327	ON T2 PGW MFT	O. Reg. 153(511) - VOCs (Water)	Vinyl Chloride	µg/L	1.7	2.53

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

Trace Organics Analysis

RPT Date: Aug 16, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - VOCs (Water)															
Dichlorodifluoromethane	6059407		<0.40	<0.40	NA	< 0.40	74%	50%	140%	113%	50%	140%	96%	50%	140%
Vinyl Chloride	6059407		<0.17	<0.17	NA	< 0.17	102%	50%	140%	114%	50%	140%	113%	50%	140%
Bromomethane	6059407		<0.20	<0.20	NA	< 0.20	106%	50%	140%	109%	50%	140%	107%	50%	140%
Trichlorofluoromethane	6059407		<0.40	<0.40	NA	< 0.40	83%	50%	140%	111%	50%	140%	113%	50%	140%
Acetone	6059407		<1.0	<1.0	NA	< 1.0	98%	50%	140%	112%	50%	140%	90%	50%	140%
1,1-Dichloroethylene	6059407		<0.30	<0.30	NA	< 0.30	110%	50%	140%	104%	60%	130%	86%	50%	140%
Methylene Chloride	6059407		<0.30	<0.30	NA	< 0.30	109%	50%	140%	103%	60%	130%	95%	50%	140%
trans- 1,2-Dichloroethylene	6059407		<0.20	<0.20	NA	< 0.20	75%	50%	140%	72%	60%	130%	79%	50%	140%
Methyl tert-butyl ether	6059407		<0.20	<0.20	NA	< 0.20	96%	50%	140%	104%	60%	130%	84%	50%	140%
1,1-Dichloroethane	6059407		<0.30	<0.30	NA	< 0.30	115%	50%	140%	105%	60%	130%	86%	50%	140%
Methyl Ethyl Ketone	6059407		<1.0	<1.0	NA	< 1.0	100%	50%	140%	108%	50%	140%	102%	50%	140%
cis- 1,2-Dichloroethylene	6059407		<0.20	<0.20	NA	< 0.20	116%	50%	140%	106%	60%	130%	86%	50%	140%
Chloroform	6059407		<0.20	<0.20	NA	< 0.20	104%	50%	140%	112%	60%	130%	94%	50%	140%
1,2-Dichloroethane	6059407		<0.20	<0.20	NA	< 0.20	104%	50%	140%	115%	60%	130%	81%	50%	140%
1,1,1-Trichloroethane	6059407		<0.30	<0.30	NA	< 0.30	113%	50%	140%	98%	60%	130%	79%	50%	140%
Carbon Tetrachloride	6059407		<0.20	<0.20	NA	< 0.20	107%	50%	140%	93%	60%	130%	73%	50%	140%
Benzene	6059407		<0.20	<0.20	NA	< 0.20	116%	50%	140%	106%	60%	130%	83%	50%	140%
1,2-Dichloropropane	6059407		<0.20	<0.20	NA	< 0.20	114%	50%	140%	105%	60%	130%	81%	50%	140%
Trichloroethylene	6059407		<0.20	<0.20	NA	< 0.20	113%	50%	140%	107%	60%	130%	84%	50%	140%
Bromodichloromethane	6059407		<0.20	<0.20	NA	< 0.20	106%	50%	140%	102%	60%	130%	78%	50%	140%
Methyl Isobutyl Ketone	6059407		<1.0	<1.0	NA	< 1.0	75%	50%	140%	95%	50%	140%	99%	50%	140%
1,1,2-Trichloroethane	6059407		<0.20	<0.20	NA	< 0.20	108%	50%	140%	112%	60%	130%	105%	50%	140%
Toluene	6059407		<0.20	<0.20	NA	< 0.20	107%	50%	140%	104%	60%	130%	91%	50%	140%
Dibromochloromethane	6059407		<0.10	<0.10	NA	< 0.10	89%	50%	140%	94%	60%	130%	89%	50%	140%
Ethylene Dibromide	6059407		<0.10	<0.10	NA	< 0.10	105%	50%	140%	110%	60%	130%	100%	50%	140%
Tetrachloroethylene	6059407		<0.20	<0.20	NA	< 0.20	102%	50%	140%	106%	60%	130%	94%	50%	140%
1,1,1,2-Tetrachloroethane	6059407		<0.10	<0.10	NA	< 0.10	100%	50%	140%	100%	60%	130%	94%	50%	140%
Chlorobenzene	6059407		<0.10	<0.10	NA	< 0.10	107%	50%	140%	106%	60%	130%	98%	50%	140%
Ethylbenzene	6059407		<0.10	<0.10	NA	< 0.10	100%	50%	140%	100%	60%	130%	87%	50%	140%
m & p-Xylene	6059407		<0.20	<0.20	NA	< 0.20	100%	50%	140%	103%	60%	130%	84%	50%	140%
Bromoform	6059407		<0.10	<0.10	NA	< 0.10	79%	50%	140%	84%	60%	130%	78%	50%	140%
Styrene	6059407		<0.10	<0.10	NA	< 0.10	92%	50%	140%	100%	60%	130%	85%	50%	140%
1,1,2,2-Tetrachloroethane	6059407		<0.10	<0.10	NA	< 0.10	102%	50%	140%	111%	60%	130%	100%	50%	140%
o-Xylene	6059407		<0.10	<0.10	NA	< 0.10	104%	50%	140%	105%	60%	130%	91%	50%	140%
1,3-Dichlorobenzene	6059407		<0.10	<0.10	NA	< 0.10	102%	50%	140%	109%	60%	130%	95%	50%	140%
1,4-Dichlorobenzene	6059407		<0.10	<0.10	NA	< 0.10	102%	50%	140%	111%	60%	130%	95%	50%	140%
1,2-Dichlorobenzene	6059407		<0.10	<0.10	NA	< 0.10	102%	50%	140%	111%	60%	130%	95%	50%	140%
n-Hexane	6059407		<0.20	<0.20	NA	< 0.20	102%	50%	140%	106%	60%	130%	94%	50%	140%

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

Trace Organics Analysis (Continued)

RPT Date: Aug 16, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)															
F1 (C6 to C10)	6059553		<25	<25	NA	< 25	99%	60%	140%	82%	60%	140%	96%	60%	140%
F2 (C10 to C16)	6060205		< 100	< 100	NA	< 100	114%	60%	140%	79%	60%	140%	72%	60%	140%
F3 (C16 to C34)	6060205		< 100	< 100	NA	< 100	104%	60%	140%	82%	60%	140%	73%	60%	140%
F4 (C34 to C50)	6060205		< 100	< 100	NA	< 100	73%	60%	140%	97%	60%	140%	84%	60%	140%
O. Reg. 153(511) - PAHs (Water)															
Naphthalene	6065559		<0.20	<0.20	NA	< 0.20	108%	50%	140%	98%	50%	140%	109%	50%	140%
Acenaphthylene	6065559		<0.20	<0.20	NA	< 0.20	97%	50%	140%	85%	50%	140%	93%	50%	140%
Acenaphthene	6065559		<0.20	<0.20	NA	< 0.20	89%	50%	140%	104%	50%	140%	90%	50%	140%
Fluorene	6065559		<0.20	<0.20	NA	< 0.20	90%	50%	140%	102%	50%	140%	89%	50%	140%
Phenanthrene	6065559		<0.10	<0.10	NA	< 0.10	79%	50%	140%	91%	50%	140%	79%	50%	140%
Anthracene	6065559		<0.10	<0.10	NA	< 0.10	74%	50%	140%	111%	50%	140%	101%	50%	140%
Fluoranthene	6065559		<0.20	<0.20	NA	< 0.20	88%	50%	140%	101%	50%	140%	89%	50%	140%
Pyrene	6065559		<0.20	<0.20	NA	< 0.20	84%	50%	140%	96%	50%	140%	87%	50%	140%
Benzo(a)anthracene	6065559		<0.20	<0.20	NA	< 0.20	111%	50%	140%	74%	50%	140%	99%	50%	140%
Chrysene	6065559		<0.10	<0.10	NA	< 0.10	134%	50%	140%	106%	50%	140%	96%	50%	140%
Benzo(b)fluoranthene	6065559		<0.10	<0.10	NA	< 0.10	121%	50%	140%	87%	50%	140%	84%	50%	140%
Benzo(k)fluoranthene	6065559		<0.10	<0.10	NA	< 0.10	126%	50%	140%	89%	50%	140%	90%	50%	140%
Benzo(a)pyrene	6065559		<0.01	<0.01	NA	< 0.01	85%	50%	140%	102%	50%	140%	83%	50%	140%
Indeno(1,2,3-cd)pyrene	6065559		<0.20	<0.20	NA	< 0.20	71%	50%	140%	95%	50%	140%	82%	50%	140%
Dibenz(a,h)anthracene	6065559		<0.20	<0.20	NA	< 0.20	78%	50%	140%	81%	50%	140%	82%	50%	140%
Benzo(g,h,i)perylene	6065559		<0.20	<0.20	NA	< 0.20	91%	50%	140%	88%	50%	140%	83%	50%	140%

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

O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	6059553		<0.40	<0.40	NA	< 0.40	74%	50%	140%	113%	50%	140%	80%	50%	140%
Vinyl Chloride	6059553		<0.17	<0.17	NA	< 0.17	102%	50%	140%	114%	50%	140%	102%	50%	140%
Bromomethane	6059553		<0.20	<0.20	NA	< 0.20	106%	50%	140%	109%	50%	140%	98%	50%	140%
Trichlorofluoromethane	6059553		<0.40	<0.40	NA	< 0.40	83%	50%	140%	111%	50%	140%	99%	50%	140%
Acetone	6059553		<1.0	<1.0	NA	< 1.0	98%	50%	140%	112%	50%	140%	111%	50%	140%
1,1-Dichloroethylene	6059553		<0.30	<0.30	NA	< 0.30	110%	50%	140%	104%	60%	130%	90%	50%	140%
Methylene Chloride	6059553		<0.30	<0.30	NA	< 0.30	109%	50%	140%	103%	60%	130%	95%	50%	140%
trans- 1,2-Dichloroethylene	6059553		<0.20	<0.20	NA	< 0.20	75%	50%	140%	72%	60%	130%	89%	50%	140%
Methyl tert-butyl ether	6059553		<0.20	<0.20	NA	< 0.20	96%	50%	140%	104%	60%	130%	100%	50%	140%
1,1-Dichloroethane	6059553		<0.30	<0.30	NA	< 0.30	115%	50%	140%	105%	60%	130%	95%	50%	140%
Methyl Ethyl Ketone	6059553		<1.0	<1.0	NA	< 1.0	100%	50%	140%	108%	50%	140%	102%	50%	140%
cis- 1,2-Dichloroethylene	6059553		<0.20	<0.20	NA	< 0.20	116%	50%	140%	106%	60%	130%	98%	50%	140%
Chloroform	6059553		<0.20	<0.20	NA	< 0.20	104%	50%	140%	112%	60%	130%	104%	50%	140%
1,2-Dichloroethane	6059553		<0.20	<0.20	NA	< 0.20	104%	50%	140%	115%	60%	130%	101%	50%	140%

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

Trace Organics Analysis (Continued)

RPT Date: Aug 16, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,1,1-Trichloroethane	6059553		<0.30	<0.30	NA	< 0.30	113%	50%	140%	98%	60%	130%	90%	50%	140%
Carbon Tetrachloride	6059553		<0.20	<0.20	NA	< 0.20	107%	50%	140%	93%	60%	130%	86%	50%	140%
Benzene	6059553		0.93	0.87	NA	< 0.20	116%	50%	140%	106%	60%	130%	94%	50%	140%
1,2-Dichloropropane	6059553		<0.20	<0.20	NA	< 0.20	114%	50%	140%	105%	60%	130%	90%	50%	140%
Trichloroethylene	6059553		<0.20	<0.20	NA	< 0.20	113%	50%	140%	107%	60%	130%	96%	50%	140%
Bromodichloromethane	6059553		<0.20	<0.20	NA	< 0.20	106%	50%	140%	102%	60%	130%	87%	50%	140%
Methyl Isobutyl Ketone	6059553		<1.0	<1.0	NA	< 1.0	75%	50%	140%	95%	50%	140%	115%	50%	140%
1,1,2-Trichloroethane	6059553		<0.20	<0.20	NA	< 0.20	108%	50%	140%	112%	60%	130%	109%	50%	140%
Toluene	6059553		1.63	1.55	5%	< 0.20	107%	50%	140%	104%	60%	130%	103%	50%	140%
Dibromochloromethane	6059553		<0.10	<0.10	NA	< 0.10	89%	50%	140%	94%	60%	130%	88%	50%	140%
Ethylene Dibromide	6059553		<0.10	<0.10	NA	< 0.10	105%	50%	140%	110%	60%	130%	102%	50%	140%
Tetrachloroethylene	6059553		<0.20	<0.20	NA	< 0.20	102%	50%	140%	106%	60%	130%	102%	50%	140%
1,1,1,2-Tetrachloroethane	6059553		<0.10	<0.10	NA	< 0.10	100%	50%	140%	100%	60%	130%	101%	50%	140%
Chlorobenzene	6059553		<0.10	<0.10	NA	< 0.10	107%	50%	140%	106%	60%	130%	103%	50%	140%
Ethylbenzene	6059553		<0.10	<0.10	NA	< 0.10	100%	50%	140%	100%	60%	130%	103%	50%	140%
m & p-Xylene	6059553		1.05	1.00	4.9%	< 0.20	100%	50%	140%	103%	60%	130%	104%	50%	140%
Bromoform	6059553		<0.10	<0.10	NA	< 0.10	79%	50%	140%	84%	60%	130%	82%	50%	140%
Styrene	6059553		<0.10	<0.10	NA	< 0.10	92%	50%	140%	100%	60%	130%	101%	50%	140%
1,1,2,2-Tetrachloroethane	6059553		<0.10	<0.10	NA	< 0.10	102%	50%	140%	111%	60%	130%	106%	50%	140%
o-Xylene	6059553		0.38	0.35	NA	< 0.10	104%	50%	140%	105%	60%	130%	105%	50%	140%
1,3-Dichlorobenzene	6059553		<0.10	<0.10	NA	< 0.10	102%	50%	140%	109%	60%	130%	113%	50%	140%
1,4-Dichlorobenzene	6059553		<0.10	<0.10	NA	< 0.10	102%	50%	140%	111%	60%	130%	111%	50%	140%
1,2-Dichlorobenzene	6059553		<0.10	<0.10	NA	< 0.10	102%	50%	140%	111%	60%	130%	116%	50%	140%
n-Hexane	6059553		1.33	1.10	18.9%	< 0.20	102%	50%	140%	106%	60%	130%	107%	50%	140%

Certified By: N Popowkolof

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

Water Analysis

RPT Date: Aug 16, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Water)															
Dissolved Antimony	6058378		<1.0	<1.0	NA	< 1.0	106%	70%	130%	105%	80%	120%	117%	70%	130%
Dissolved Arsenic	6058378		<1.0	<1.0	NA	< 1.0	103%	70%	130%	101%	80%	120%	100%	70%	130%
Dissolved Barium	6058378		118	121	2.5%	< 2.0	103%	70%	130%	100%	80%	120%	112%	70%	130%
Dissolved Beryllium	6058378		<0.50	<0.50	NA	< 0.50	102%	70%	130%	116%	80%	120%	111%	70%	130%
Dissolved Boron	6058378		<10.0	<10.0	NA	< 10.0	109%	70%	130%	121%	80%	120%	116%	70%	130%
Dissolved Cadmium	6058378		<0.20	<0.20	NA	< 0.20	100%	70%	130%	103%	80%	120%	107%	70%	130%
Dissolved Chromium	6058378		<2.0	<2.0	NA	< 2.0	102%	70%	130%	106%	80%	120%	119%	70%	130%
Dissolved Cobalt	6058378		<0.50	<0.50	NA	< 0.50	104%	70%	130%	102%	80%	120%	109%	70%	130%
Dissolved Copper	6058378		<1.0	<1.0	NA	< 1.0	103%	70%	130%	100%	80%	120%	107%	70%	130%
Dissolved Lead	6058378		<0.50	<0.50	NA	< 0.50	94%	70%	130%	97%	80%	120%	91%	70%	130%
Dissolved Molybdenum	6058378		8.63	8.42	2.5%	< 0.50	100%	70%	130%	101%	80%	120%	103%	70%	130%
Dissolved Nickel	6058378		1.5	<1.0	NA	< 1.0	112%	70%	130%	112%	80%	120%	109%	70%	130%
Dissolved Selenium	6058378		1.2	<1.0	NA	< 1.0	99%	70%	130%	106%	80%	120%	116%	70%	130%
Dissolved Silver	6058378		<0.20	<0.20	NA	< 0.20	92%	70%	130%	97%	80%	120%	73%	70%	130%
Dissolved Thallium	6058378		<0.30	<0.30	NA	< 0.30	98%	70%	130%	102%	80%	120%	94%	70%	130%
Dissolved Uranium	6058378		1.26	1.30	NA	< 0.50	103%	70%	130%	110%	80%	120%	112%	70%	130%
Dissolved Vanadium	6058378		<0.40	<0.40	NA	< 0.40	117%	70%	130%	117%	80%	120%	124%	70%	130%
Dissolved Zinc	6058378		5.1	<5.0	NA	< 5.0	101%	70%	130%	104%	80%	120%	116%	70%	130%

Comments: NA signifies Not Applicable.
Duplicate NA: results are under 5X the RDL and will not be calculated.
QA Qualifier for metals – Dissolved Boron: For a multi-element scan for lab control standards and matrix spikes, up to 10% of analytes may exceed the quoted limits by up to 10% absolute and it is considered acceptable.

Certified By: Iris Verástegui

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QC Exceedance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

RPT Date: Aug 16, 2024		REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Sample Id	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
			Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Water)										
Dissolved Boron		109%	70%	130%	121%	80%	120%	116%	70%	130%

Comments: NA signifies Not Applicable.
Duplicate NA: results are under 5X the RDL and will not be calculated.
QA Qualifier for metals – Dissolved Boron: For a multi-element scan for lab control standards and matrix spikes, up to 10% of analytes may exceed the quoted limits by up to 10% absolute and it is considered acceptable.

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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

Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

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

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24T183314

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:SSR

SAMPLED BY:SUKHBIR DHANDWAR

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS

Results relate only to the items tested. Results apply to samples as received.

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

Chain of Custody Record

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

Report Information:

Company: EXP SERVICES INC
Contact: 1266 SOUTH SERVICE RD
Address: STONEY CREEK, ON
JENNIFER HAYMAN
Phone: Fax:
Reports to be sent to:
1. Email: JENNIFER.HAYMAN@EXP.COM
2. Email: NICOLE.MCQUOID@EXP.COM

Project Information:

Project: GTR-23006348-E1
Site Location: SSR
Sampled By: SUKHBIR DHANDWAR
AGAT Quote #: PO: GTR-23006348-E1
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐
Company: EXP SERVICES INC
Contact: ACCOUNTS PAYABLE
Address:
Email: AP@EXP.COM

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04
Table 2 (Indicate One)
☐ Ind/Com
☑ Res/Park
☐ Agriculture
Soil Texture (Check One)
☐ Coarse
☑ Fine

☐ Regulation 406
Table ____ (Indicate One)
☐ Ind/Com
☐ Res/Park
☐ Agriculture
☐ Regulation 558
☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

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

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

Legal Sample ☐

Sample Matrix Legend

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

Laboratory Use Only

Work Order #: 24T183314
Cooler Quantity: 1 large
Arrival Temperatures: 20.4 | 21.2 | 22.4
Depot Temperatures: | |
Custody Seal Intact: ☐ Yes ☐ No ☑ N/A
Notes: loose ice

Turnaround Time (TAT) Required:

Regular TAT ☑ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4	EC, SAR	Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	TCLP:	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. MW151	08/08/24	AM	3	GW						X									
2. MW151-1										X									
3. MW327										X									
4. MW123										X									
5. MW139										X									
6. MW145										X									
7. MW127										X									
8. MW116		PM								X									
9. MW101										X									
10. MW108										X									
11. MW143										X									

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
SUKHBIR DHANDWAR	08/08/24	17:25	Tiffany	Aug	
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

24 AUG 8 5:25pm

Page 1 of 2

N°: T-160372

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

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

Chain of Custody Record

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

Report Information:

Company:
Contact:
Address: SAME AS PAGE 1
Phone: Fax:
Reports to be sent to:
1. Email:
2. Email:

Project Information:

Project:
Site Location: SAME AS PAGE 1
Sampled By:
AGAT Quote #: PO:
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐

Company:
Contact: SAME AS PAGE 1
Address:
Email:

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 2 *Indicate One*
☐ Ind/Com
☒ Res/Park
☐ Agriculture

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

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

☐ Regulation 558
☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
_____ *Region*
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

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

Report Guideline on Certificate of Analysis ☒ Yes ☐ No

Legal Sample ☐

Sample Matrix Legend

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

Laboratory Use Only

Work Order #: 24T1P3314
Cooler Quantity:
Arrival Temperatures: Supply
Depot Temperatures:
Custody Seal Intact: ☐Yes ☐No ☐N/A
Notes:

Turnaround Time (TAT) Required:

Regular TAT ☑ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: VOC	O. Reg 153: PAHs	O. Reg 153: PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4	O. Reg 406: EC, SAR	O. Reg 406: Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	Corrosivity: ☐ Moisture ☐ Sulphide	ICAMS METALS	Potentially Hazardous or High Concentration (Y/N)
1. MW2	08/06/24	0M AM PM	4	GW						X								X	
2. MW137	〃	〃 AM PM	10	〃					X	X	X								
3.		AM PM																	
4.		AM PM																	
5.		AM PM																	
6.		AM PM																	
7.		AM PM																	
8.		AM PM																	
9.		AM PM																	
10.		AM PM																	
11.		AM PM																	

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
SUKHBIR DHANJUAR	08/06/24	17:25		Aug	
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

'24 AUG 8 5:25pm

N°: T - 160873

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Document ID: DIV-78-1513.0213

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Date Issued: Jan 18, 2024

AGAT Laboratories

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http://www.agatlabs.com

CLIENT NAME: EXP SERVICES INC
1266 SOUTH SERVICE ROAD, SUITE C1-1
STONEY CREEK , ON L8E 5R9
(905) 573-4000
ATTENTION TO: Jennifer Hayman
PROJECT: GTR-23006348-E1
AGAT WORK ORDER: 24H185136
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
WATER ANALYSIS REVIEWED BY: Yris Verastegui, Inorganic Team Lead
DATE REPORTED: Aug 21, 2024
PAGES (INCLUDING COVER): 25
VERSION*: 1

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

Notes

Disclaimer:

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

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

DATE RECEIVED: 2024-08-14

DATE REPORTED: 2024-08-21

		SAMPLE DESCRIPTION:		MW119A	MW133A	MW207A	MW301
		SAMPLE TYPE:		Water	Water	Water	Water
		DATE SAMPLED:		2024-08-13 13:00	2024-08-13 13:45	2024-08-13 10:15	2024-08-13 09:30
Parameter	**Unit**	**G / S**	**RDL**	**6076127**	**6076134**	**6076138**	**6076143**
Naphthalene	µg/L	11	0.20	<0.20	<0.20	1.22	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20	<0.20	0.33	<0.20
Acenaphthene	µg/L	4.1	0.20	<0.20	<0.20	1.00	<0.20
Fluorene	µg/L	120	0.20	<0.20	<0.20	1.89	<0.20
Phenanthrene	µg/L	1	0.10	<0.10	<0.10	**3.56**	<0.10
Anthracene	µg/L	2.4	0.10	<0.10	<0.10	0.67	<0.10
Fluoranthene	µg/L	0.41	0.20	<0.20	<0.20	<0.20	<0.20
Pyrene	µg/L	4.1	0.20	<0.20	<0.20	<0.20	<0.20
Benzo(a)anthracene	µg/L	1	0.20	<0.20	<0.20	<0.20	<0.20
Chrysene	µg/L	0.1	0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.1	0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.1	0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.01	0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20	<0.20	<0.20	<0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.2	0.20	<0.20	<0.20	<0.20	<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20	<0.20	<0.20	<0.20	<0.20
2-and 1-methyl Napthalene	µg/L	3.2	0.20	<0.20	<0.20	**15.0**	<0.20
Sediment				1	1	3	3
Surrogate	**Unit**	**Acceptable Limits**					
Naphthalene-d8	%	50-140		84	92	127	94
Acridine-d9	%	50-140		114	114	116	112
Terphenyl-d14	%	50-140		76	84	99	90

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

DATE RECEIVED: 2024-08-14 **DATE REPORTED: 2024-08-21**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6076127-6076143 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&(j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

DATE RECEIVED: 2024-08-14

DATE REPORTED: 2024-08-21

				SAMPLE DESCRIPTION:	MW207A
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2024-08-13 10:15
Parameter	**Unit**	**G / S**	**RDL**	**6076138**	
F1 (C6 to C10)	µg/L	750	25	<25	
F1 (C6 to C10) minus BTEX	µg/L	750	25	<25	
F2 (C10 to C16)	µg/L	150	100	**617**	
F2 (C10 to C16) minus Naphthalene	µg/L		100	616	
F3 (C16 to C34)	µg/L	500	100	**568**	
F3 (C16 to C34) minus PAHs	µg/L		100	564	
F4 (C34 to C50)	µg/L	500	100	<100	
Gravimetric Heavy Hydrocarbons	µg/L		500	NA	
Sediment				3	
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	%	50-140		112	
Terphenyl	% Recovery	60-140		67	

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AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

DATE RECEIVED: 2024-08-14 **DATE REPORTED: 2024-08-21**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6076138 The C6-C10 fraction is calculated using toluene response factor.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

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

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PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

DATE RECEIVED: 2024-08-14

DATE REPORTED: 2024-08-21

				SAMPLE DESCRIPTION:	MW119A	MW301
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2024-08-13 13:00	2024-08-13 09:30
Parameter	**Unit**	**G / S**	**RDL**		**6076127**	**6076143**
Benzene	µg/L	5.0	0.20		<0.20	<0.20
Toluene	µg/L	24	0.20		<0.20	<0.20
Ethylbenzene	µg/L	2.4	0.10		<0.10	<0.10
m & p-Xylene	µg/L		0.20		<0.20	<0.20
o-Xylene	µg/L		0.10		<0.10	<0.10
Xylenes (Total)	µg/L	300	0.20		<0.20	<0.20
F1 (C6 to C10)	µg/L	750	25		<25	<25
F1 (C6 to C10) minus BTEX	µg/L	750	25		<25	<25
F2 (C10 to C16)	µg/L	150	100		<100	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100	<100
F3 (C16 to C34)	µg/L	500	100		<100	<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100	<100
F4 (C34 to C50)	µg/L	500	100		<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA	NA
Sediment					1	3
Surrogate	**Unit**	**Acceptable Limits**				
Toluene-d8	% Recovery	60-140			102	97.0
Terphenyl	% Recovery	60-140			68	76

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AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

DATE RECEIVED: 2024-08-14 **DATE REPORTED: 2024-08-21**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6076127-6076143 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
The C6-C10 fraction is calculated using toluene response factor.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

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PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

DATE RECEIVED: 2024-08-14 **DATE REPORTED: 2024-08-21**

SAMPLE DESCRIPTION:				MW302	MW320 D	MW333	MW334	MW337	MS338	MW339	MW340
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2024-08-13 09:00	2024-08-13 11:45	2024-08-13 12:50	2024-08-13 11:15	2024-08-13 14:45	2024-08-13 14:00	2024-08-13 14:00	2024-08-13 12:20
Parameter	Unit	G / S	RDL	6076149	6076156	6076168	6076169	6076170	6076171	6076172	6076173
Dichlorodifluoromethane	µg/L	590	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	<0.17	<0.17	1.39	<0.17	<0.17	<0.17	<0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20	<0.20	2.57	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20	1.01	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	24	0.20	<0.20	0.49	<0.20	0.42	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10	0.30	<0.10	0.27	<0.10	<0.10	<0.10	<0.10

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

DATE RECEIVED: 2024-08-14 **DATE REPORTED: 2024-08-21**

		SAMPLE DESCRIPTION:		MW302	MW320 D	MW333	MW334	MW337	MS338	MW339	MW340
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-08-13 09:00	2024-08-13 11:45	2024-08-13 12:50	2024-08-13 11:15	2024-08-13 14:45	2024-08-13 14:00	2024-08-13 14:00	2024-08-13 12:20
Parameter	**Unit**	**G / S**	**RDL**	**6076149**	**6076156**	**6076168**	**6076169**	**6076170**	**6076171**	**6076172**	**6076173**
m & p-Xylene	µg/L		0.20	<0.20	1.44	<0.20	1.25	<0.20	<0.20	<0.20	<0.20
Bromoform	µg/L	25	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	<0.10	0.47	<0.10	0.42	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20	1.91	<0.20	1.67	<0.20	<0.20	<0.20	<0.20
n-Hexane	µg/L	520	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**									
Toluene-d8	% Recovery	50-140		109	105	109	106	109	109	104	104
4-Bromofluorobenzene	% Recovery	50-140		93	101	92	92	94	96	91	90

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AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

DATE RECEIVED: 2024-08-14

DATE REPORTED: 2024-08-21

		SAMPLE DESCRIPTION:		Trip Blank
		SAMPLE TYPE:		Water
		DATE SAMPLED:		
Parameter	Unit	G / S	RDL	6076174
Dichlorodifluoromethane	µg/L	590	0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20
Benzene	µg/L	5.0	0.20	<0.20
1,2-Dichloropropane	µg/L	5	0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20
Toluene	µg/L	24	0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10
m & p-Xylene	µg/L		0.20	<0.20

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

DATE RECEIVED: 2024-08-14 **DATE REPORTED: 2024-08-21**

		SAMPLE DESCRIPTION:		Trip Blank
		SAMPLE TYPE:		Water
		DATE SAMPLED:		
Parameter	**Unit**	**G / S**	**RDL**	**6076174**
Bromoform	µg/L	25	0.10	<0.10
Styrene	µg/L	5.4	0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10
o-Xylene	µg/L		0.10	<0.10
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30
Xylenes (Total)	µg/L	300	0.20	<0.20
n-Hexane	µg/L	520	0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**		
Toluene-d8	% Recovery	50-140		110
4-Bromofluorobenzene	% Recovery	50-140		94

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6076149-6076174 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: NPopowkolof

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PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

DATE RECEIVED: 2024-08-14

DATE REPORTED: 2024-08-21

		SAMPLE DESCRIPTION:		MW207A
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2024-08-13 10:15
Parameter	Unit	G / S	RDL	6076138
Dichlorodifluoromethane	µg/L	590	0.40	<0.40
Vinyl Chloride	µg/L	1.7	0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20
Trichlorofluoromethane	µg/L	150	0.40	<0.40
Acetone	µg/L	2700	1.0	<1.0
1,1-Dichloroethylene	µg/L	14	0.30	<0.30
Methylene Chloride	µg/L	50	0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20
1,1-Dichloroethane	µg/L	5	0.30	<0.30
Methyl Ethyl Ketone	µg/L	1800	1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	17	0.20	<0.20
Chloroform	µg/L	22	0.20	<0.20
1,2-Dichloroethane	µg/L	5	0.20	<0.20
1,1,1-Trichloroethane	µg/L	200	0.30	<0.30
Carbon Tetrachloride	µg/L	5.0	0.20	<0.20
Benzene	µg/L	5.0	0.20	0.40
1,2-Dichloropropane	µg/L	5	0.20	<0.20
Trichloroethylene	µg/L	5	0.20	<0.20
Bromodichloromethane	µg/L	16	0.20	<0.20
Methyl Isobutyl Ketone	µg/L	640	1.0	<1.0
1,1,2-Trichloroethane	µg/L	5	0.20	<0.20
Toluene	µg/L	24	0.20	<0.20
Dibromochloromethane	µg/L	25	0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10
Tetrachloroethylene	µg/L	17	0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10
Chlorobenzene	µg/L	30	0.10	<0.10
Ethylbenzene	µg/L	2.4	0.10	<0.10

Certified By: N Popnikolof

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

DATE RECEIVED: 2024-08-14

DATE REPORTED: 2024-08-21

				SAMPLE DESCRIPTION:	MW207A
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2024-08-13 10:15
Parameter	**Unit**	**G / S**	**RDL**	**6076138**	
m & p-Xylene	µg/L		0.20	<0.20	
Bromoform	µg/L	25	0.10	<0.10	
Styrene	µg/L	5.4	0.10	<0.10	
1,1,2,2-Tetrachloroethane	µg/L	1	0.10	<0.10	
o-Xylene	µg/L		0.10	<0.10	
1,3-Dichlorobenzene	µg/L	59	0.10	<0.10	
1,4-Dichlorobenzene	µg/L	1	0.10	<0.10	
1,2-Dichlorobenzene	µg/L	3	0.10	<0.10	
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30	
Xylenes (Total)	µg/L	300	0.20	<0.20	
n-Hexane	µg/L	520	0.20	<0.20	
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	% Recovery	50-140		112	
4-Bromofluorobenzene	% Recovery	50-140		108	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6076138 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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Certificate of Analysis

AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2024-08-14

DATE REPORTED: 2024-08-21

		SAMPLE DESCRIPTION:		MW207A	MW301	MW332 S	MW332 S-0
		SAMPLE TYPE:		Water	Water	Water	Water
		DATE SAMPLED:		2024-08-13 10:15	2024-08-13 09:30	2024-08-13 13:30	2024-08-13 13:30
Parameter	Unit	G / S	RDL	6076138	6076143	6076162	6076166
Dissolved Antimony	µg/L	6	1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	25	1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Barium	µg/L	1000	2.0	81.1	296	36.6	37.8
Dissolved Beryllium	µg/L	4	0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	5000	10.0	130	171	135	143
Dissolved Cadmium	µg/L	2.7	0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	50	2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Cobalt	µg/L	3.8	0.50	<0.50	2.88	0.93	0.61
Dissolved Copper	µg/L	87	1.0	2.2	1.2	12.8	12.2
Dissolved Lead	µg/L	10	0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	70	0.50	3.88	1.37	2.56	2.20
Dissolved Nickel	µg/L	100	1.0	3.0	6.7	2.7	2.0
Dissolved Selenium	µg/L	10	1.0	<1.0	<1.0	2.4	2.2
Dissolved Silver	µg/L	1.5	0.20	0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	2	0.30	<0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	20	0.50	4.29	5.78	1.22	1.37
Dissolved Vanadium	µg/L	6.2	0.40	<0.40	0.58	0.73	<0.40
Dissolved Zinc	µg/L	1100	5.0	15.2	5.0	<5.0	5.9

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Potable Ground Water - All Types of Property Uses - Medium and Fine Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6076138-6076166 Metals analysis completed on a filtered sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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Exceedance Summary

AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

CLIENT NAME: EXP SERVICES INC

ATTENTION TO: Jennifer Hayman

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
6076138	MW207A	ON T2 PGW MFT	O. Reg. 153(511) - PAHs (Water)	2-and 1-methyl Napthalene	µg/L	3.2	15.0
6076138	MW207A	ON T2 PGW MFT	O. Reg. 153(511) - PAHs (Water)	2-and 1-methyl Napthalene	µg/L	3.2	15.0
6076138	MW207A	ON T2 PGW MFT	O. Reg. 153(511) - PAHs (Water)	Chrysene	µg/L	0.1	0.11
6076138	MW207A	ON T2 PGW MFT	O. Reg. 153(511) - PAHs (Water)	Phenanthrene	µg/L	1	3.54
6076138	MW207A	ON T2 PGW MFT	O. Reg. 153(511) - PAHs (Water)	Phenanthrene	µg/L	1	3.56
6076138	MW207A	ON T2 PGW MFT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	F2 (C10 to C16)	µg/L	150	617
6076138	MW207A	ON T2 PGW MFT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	F3 (C16 to C34)	µg/L	500	568
6076138	MW207A	ON T2 PGW MFT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Phenanthrene	µg/L	1	3.54

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Quality Assurance

CLIENT NAME: EXP SERVICES INC
AGAT WORK ORDER: 24H185136
PROJECT: GTR-23006348-E1
ATTENTION TO: Jennifer Hayman
SAMPLING SITE:OAKVILLE
SAMPLED BY:CH/JP

Trace Organics Analysis

RPT Date: Aug 21, 2024

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	DUPLICATE Dup #2	DUPLICATE RPD	Method Blank	REFERENCE MATERIAL Measured Value	REFERENCE MATERIAL Acceptable Limits Lower	REFERENCE MATERIAL Acceptable Limits Upper	METHOD BLANK SPIKE Recovery	METHOD BLANK SPIKE Acceptable Limits Lower	METHOD BLANK SPIKE Acceptable Limits Upper	MATRIX SPIKE Recovery	MATRIX SPIKE Acceptable Limits Lower	MATRIX SPIKE Acceptable Limits Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs) (Water)															
Benzene	6079672		<0.20	<0.20	NA	< 0.20	72%	60%	140%	100%	60%	140%	75%	60%	140%
Toluene	6079672		<0.20	<0.20	NA	< 0.20	90%	60%	140%	82%	60%	140%	72%	60%	140%
Ethylbenzene	6079672		<0.10	<0.10	NA	< 0.10	77%	60%	140%	102%	60%	140%	85%	60%	140%
m & p-Xylene	6079672		<0.20	<0.20	NA	< 0.20	87%	60%	140%	102%	60%	140%	90%	60%	140%
o-Xylene	6079672		<0.10	<0.10	NA	< 0.10	78%	60%	140%	71%	60%	140%	87%	60%	140%
F1 (C6 to C10)	6079672		<25	<25	NA	< 25	101%	60%	140%	83%	60%	140%	91%	60%	140%
F2 (C10 to C16)	6079705		<100	<100	NA	< 100	73%	60%	140%	69%	60%	140%	68%	60%	140%
F3 (C16 to C34)	6079705		<100	<100	NA	< 100	73%	60%	140%	69%	60%	140%	73%	60%	140%
F4 (C34 to C50)	6079705		<100	<100	NA	< 100	78%	60%	140%	93%	60%	140%	98%	60%	140%
O. Reg. 153(511) - PAHs (Water)															
Naphthalene	6076157		<0.20	<0.20	NA	< 0.20	103%	50%	140%	89%	50%	140%	84%	50%	140%
Acenaphthylene	6076157		<0.20	<0.20	NA	< 0.20	97%	50%	140%	78%	50%	140%	71%	50%	140%
Acenaphthene	6076157		<0.20	<0.20	NA	< 0.20	89%	50%	140%	94%	50%	140%	104%	50%	140%
Fluorene	6076157		<0.20	<0.20	NA	< 0.20	92%	50%	140%	94%	50%	140%	104%	50%	140%
Phenanthrene	6076157		<0.10	<0.10	NA	< 0.10	80%	50%	140%	81%	50%	140%	94%	50%	140%
Anthracene	6076157		<0.10	<0.10	NA	< 0.10	78%	50%	140%	105%	50%	140%	115%	50%	140%
Fluoranthene	6076157		<0.20	<0.20	NA	< 0.20	91%	50%	140%	92%	50%	140%	109%	50%	140%
Pyrene	6076157		<0.20	<0.20	NA	< 0.20	87%	50%	140%	88%	50%	140%	102%	50%	140%
Benzo(a)anthracene	6076157		<0.20	<0.20	NA	< 0.20	110%	50%	140%	90%	50%	140%	113%	50%	140%
Chrysene	6076157		<0.10	<0.10	NA	< 0.10	121%	50%	140%	81%	50%	140%	100%	50%	140%
Benzo(b)fluoranthene	6076157		<0.10	<0.10	NA	< 0.10	87%	50%	140%	76%	50%	140%	85%	50%	140%
Benzo(k)fluoranthene	6076157		<0.10	<0.10	NA	< 0.10	130%	50%	140%	110%	50%	140%	91%	50%	140%
Benzo(a)pyrene	6076157		<0.01	<0.01	NA	< 0.01	97%	50%	140%	80%	50%	140%	80%	50%	140%
Indeno(1,2,3-cd)pyrene	6076157		<0.20	<0.20	NA	< 0.20	85%	50%	140%	73%	50%	140%	83%	50%	140%
Dibenz(a,h)anthracene	6076157		<0.20	<0.20	NA	< 0.20	83%	50%	140%	72%	50%	140%	78%	50%	140%
Benzo(g,h,i)perylene	6076157		<0.20	<0.20	NA	< 0.20	98%	50%	140%	83%	50%	140%	86%	50%	140%
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)															
F1 (C6 to C10)	6076173	6076173	<25	<25	NA	< 25	101%	60%	140%	80%	60%	140%	89%	60%	140%
F2 (C10 to C16)	6079705		<100	<100	NA	< 100	73%	60%	140%	69%	60%	140%	68%	60%	140%
F3 (C16 to C34)	6079705		<100	<100	NA	< 100	73%	60%	140%	69%	60%	140%	73%	60%	140%
F4 (C34 to C50)	6079705		<100	<100	NA	< 100	78%	60%	140%	93%	60%	140%	98%	60%	140%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	6076173	6076173	<0.40	<0.40	NA	< 0.40	81%	50%	140%	61%	50%	140%	64%	50%	140%
Vinyl Chloride	6076173	6076173	<0.17	<0.17	NA	< 0.17	117%	50%	140%	107%	50%	140%	109%	50%	140%
Bromomethane	6076173	6076173	<0.20	<0.20	NA	< 0.20	111%	50%	140%	110%	50%	140%	112%	50%	140%
Trichlorofluoromethane	6076173	6076173	<0.40	<0.40	NA	< 0.40	102%	50%	140%	105%	50%	140%	106%	50%	140%
Acetone	6076173	6076173	<1.0	<1.0	NA	< 1.0	102%	50%	140%	116%	50%	140%	110%	50%	140%
1,1-Dichloroethylene	6076173	6076173	<0.30	<0.30	NA	< 0.30	108%	50%	140%	106%	60%	130%	107%	50%	140%

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown, due to rounding of final results.

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Quality Assurance

CLIENT NAME: EXP SERVICES INC
AGAT WORK ORDER: 24H185136
PROJECT: GTR-23006348-E1
ATTENTION TO: Jennifer Hayman
SAMPLING SITE:OAKVILLE
SAMPLED BY:CH/JP

Trace Organics Analysis (Continued)

RPT Date: Aug 21, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Methylene Chloride	6076173	6076173	<0.30	<0.30	NA	< 0.30	101%	50%	140%	104%	60%	130%	111%	50%	140%
trans- 1,2-Dichloroethylene	6076173	6076173	<0.20	<0.20	NA	< 0.20	102%	50%	140%	65%	60%	130%	106%	50%	140%
Methyl tert-butyl ether	6076173	6076173	<0.20	<0.20	NA	< 0.20	104%	50%	140%	116%	60%	130%	99%	50%	140%
1,1-Dichloroethane	6076173	6076173	<0.30	<0.30	NA	< 0.30	105%	50%	140%	116%	60%	130%	110%	50%	140%
Methyl Ethyl Ketone	6076173	6076173	<1.0	<1.0	NA	< 1.0	108%	50%	140%	118%	50%	140%	107%	50%	140%
cis- 1,2-Dichloroethylene	6076173	6076173	<0.20	<0.20	NA	< 0.20	106%	50%	140%	112%	60%	130%	105%	50%	140%
Chloroform	6076173	6076173	<0.20	<0.20	NA	< 0.20	119%	50%	140%	114%	60%	130%	113%	50%	140%
1,2-Dichloroethane	6076173	6076173	<0.20	<0.20	NA	< 0.20	106%	50%	140%	106%	60%	130%	96%	50%	140%
1,1,1-Trichloroethane	6076173	6076173	<0.30	<0.30	NA	< 0.30	104%	50%	140%	115%	60%	130%	114%	50%	140%
Carbon Tetrachloride	6076173	6076173	<0.20	<0.20	NA	< 0.20	106%	50%	140%	111%	60%	130%	112%	50%	140%
Benzene	6076173	6076173	<0.20	<0.20	NA	< 0.20	116%	50%	140%	111%	60%	130%	110%	50%	140%
1,2-Dichloropropane	6076173	6076173	<0.20	<0.20	NA	< 0.20	115%	50%	140%	110%	60%	130%	102%	50%	140%
Trichloroethylene	6076173	6076173	<0.20	<0.20	NA	< 0.20	118%	50%	140%	112%	60%	130%	110%	50%	140%
Bromodichloromethane	6076173	6076173	<0.20	<0.20	NA	< 0.20	110%	50%	140%	116%	60%	130%	106%	50%	140%
Methyl Isobutyl Ketone	6076173	6076173	<1.0	<1.0	NA	< 1.0	86%	50%	140%	93%	50%	140%	98%	50%	140%
1,1,2-Trichloroethane	6076173	6076173	<0.20	<0.20	NA	< 0.20	100%	50%	140%	106%	60%	130%	115%	50%	140%
Toluene	6076173	6076173	<0.20	<0.20	NA	< 0.20	119%	50%	140%	99%	60%	130%	117%	50%	140%
Dibromochloromethane	6076173	6076173	<0.10	<0.10	NA	< 0.10	116%	50%	140%	107%	60%	130%	120%	50%	140%
Ethylene Dibromide	6076173	6076173	<0.10	<0.10	NA	< 0.10	115%	50%	140%	107%	60%	130%	117%	50%	140%
Tetrachloroethylene	6076173	6076173	<0.20	<0.20	NA	< 0.20	109%	50%	140%	96%	60%	130%	116%	50%	140%
1,1,1,2-Tetrachloroethane	6076173	6076173	<0.10	<0.10	NA	< 0.10	111%	50%	140%	115%	60%	130%	100%	50%	140%
Chlorobenzene	6076173	6076173	<0.10	<0.10	NA	< 0.10	115%	50%	140%	95%	60%	130%	112%	50%	140%
Ethylbenzene	6076173	6076173	<0.10	<0.10	NA	< 0.10	107%	50%	140%	92%	60%	130%	112%	50%	140%
m & p-Xylene	6076173	6076173	<0.20	<0.20	NA	< 0.20	109%	50%	140%	93%	60%	130%	114%	50%	140%
Bromoform	6076173	6076173	<0.10	<0.10	NA	< 0.10	116%	50%	140%	104%	60%	130%	108%	50%	140%
Styrene	6076173	6076173	<0.10	<0.10	NA	< 0.10	100%	50%	140%	86%	60%	130%	100%	50%	140%
1,1,2,2-Tetrachloroethane	6076173	6076173	<0.10	<0.10	NA	< 0.10	119%	50%	140%	105%	60%	130%	111%	50%	140%
o-Xylene	6076173	6076173	<0.10	<0.10	NA	< 0.10	113%	50%	140%	96%	60%	130%	114%	50%	140%
1,3-Dichlorobenzene	6076173	6076173	<0.10	<0.10	NA	< 0.10	107%	50%	140%	90%	60%	130%	101%	50%	140%
1,4-Dichlorobenzene	6076173	6076173	<0.10	<0.10	NA	< 0.10	106%	50%	140%	90%	60%	130%	100%	50%	140%
1,2-Dichlorobenzene	6076173	6076173	<0.10	<0.10	NA	< 0.10	111%	50%	140%	93%	60%	130%	100%	50%	140%
n-Hexane	6076173	6076173	<0.20	<0.20	NA	< 0.20	115%	50%	140%	98%	60%	130%	98%	50%	140%

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

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

Dichlorodifluoromethane	6076173	6076173	<0.40	<0.40	NA	< 0.40	81%	50%	140%	61%	50%	140%	64%	50%	140%
Vinyl Chloride	6076173	6076173	<0.17	<0.17	NA	< 0.17	117%	50%	140%	107%	50%	140%	109%	50%	140%
Bromomethane	6076173	6076173	<0.20	<0.20	NA	< 0.20	111%	50%	140%	110%	50%	140%	112%	50%	140%
Trichlorofluoromethane	6076173	6076173	<0.40	<0.40	NA	< 0.40	102%	50%	140%	105%	50%	140%	106%	50%	140%
Acetone	6076173	6076173	<1.0	<1.0	NA	< 1.0	102%	50%	140%	116%	50%	140%	110%	50%	140%

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Quality Assurance

CLIENT NAME: EXP SERVICES INC
PROJECT: GTR-23006348-E1
SAMPLING SITE:OAKVILLE

AGAT WORK ORDER: 24H185136
ATTENTION TO: Jennifer Hayman
SAMPLED BY:CH/JP

Trace Organics Analysis (Continued)

RPT Date: Aug 21, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,1-Dichloroethylene	6076173	6076173	<0.30	<0.30	NA	< 0.30	108%	50%	140%	106%	60%	130%	107%	50%	140%
Methylene Chloride	6076173	6076173	<0.30	<0.30	NA	< 0.30	101%	50%	140%	104%	60%	130%	111%	50%	140%
trans- 1,2-Dichloroethylene	6076173	6076173	<0.20	<0.20	NA	< 0.20	102%	50%	140%	65%	60%	130%	106%	50%	140%
Methyl tert-butyl ether	6076173	6076173	<0.20	<0.20	NA	< 0.20	104%	50%	140%	116%	60%	130%	99%	50%	140%
1,1-Dichloroethane	6076173	6076173	<0.30	<0.30	NA	< 0.30	105%	50%	140%	116%	60%	130%	110%	50%	140%
Methyl Ethyl Ketone	6076173	6076173	<1.0	<1.0	NA	< 1.0	108%	50%	140%	118%	50%	140%	107%	50%	140%
cis- 1,2-Dichloroethylene	6076173	6076173	<0.20	<0.20	NA	< 0.20	106%	50%	140%	112%	60%	130%	105%	50%	140%
Chloroform	6076173	6076173	<0.20	<0.20	NA	< 0.20	119%	50%	140%	114%	60%	130%	113%	50%	140%
1,2-Dichloroethane	6076173	6076173	<0.20	<0.20	NA	< 0.20	106%	50%	140%	106%	60%	130%	96%	50%	140%
1,1,1-Trichloroethane	6076173	6076173	<0.30	<0.30	NA	< 0.30	104%	50%	140%	115%	60%	130%	114%	50%	140%
Carbon Tetrachloride	6076173	6076173	<0.20	<0.20	NA	< 0.20	106%	50%	140%	111%	60%	130%	112%	50%	140%
Benzene	6076173	6076173	<0.20	<0.20	NA	< 0.20	116%	50%	140%	111%	60%	130%	110%	50%	140%
1,2-Dichloropropane	6076173	6076173	<0.20	<0.20	NA	< 0.20	115%	50%	140%	110%	60%	130%	102%	50%	140%
Trichloroethylene	6076173	6076173	<0.20	<0.20	NA	< 0.20	118%	50%	140%	112%	60%	130%	110%	50%	140%
Bromodichloromethane	6076173	6076173	<0.20	<0.20	NA	< 0.20	110%	50%	140%	116%	60%	130%	106%	50%	140%
Methyl Isobutyl Ketone	6076173	6076173	<1.0	<1.0	NA	< 1.0	86%	50%	140%	93%	50%	140%	98%	50%	140%
1,1,2-Trichloroethane	6076173	6076173	<0.20	<0.20	NA	< 0.20	100%	50%	140%	106%	60%	130%	115%	50%	140%
Toluene	6076173	6076173	<0.20	<0.20	NA	< 0.20	119%	50%	140%	99%	60%	130%	117%	50%	140%
Dibromochloromethane	6076173	6076173	<0.10	<0.10	NA	< 0.10	116%	50%	140%	107%	60%	130%	120%	50%	140%
Ethylene Dibromide	6076173	6076173	<0.10	<0.10	NA	< 0.10	115%	50%	140%	107%	60%	130%	117%	50%	140%
Tetrachloroethylene	6076173	6076173	<0.20	<0.20	NA	< 0.20	109%	50%	140%	96%	60%	130%	116%	50%	140%
1,1,1,2-Tetrachloroethane	6076173	6076173	<0.10	<0.10	NA	< 0.10	111%	50%	140%	115%	60%	130%	100%	50%	140%
Chlorobenzene	6076173	6076173	<0.10	<0.10	NA	< 0.10	115%	50%	140%	95%	60%	130%	112%	50%	140%
Ethylbenzene	6076173	6076173	<0.10	<0.10	NA	< 0.10	107%	50%	140%	92%	60%	130%	112%	50%	140%
m & p-Xylene	6076173	6076173	<0.20	<0.20	NA	< 0.20	109%	50%	140%	93%	60%	130%	114%	50%	140%
Bromoform	6076173	6076173	<0.10	<0.10	NA	< 0.10	116%	50%	140%	104%	60%	130%	108%	50%	140%
Styrene	6076173	6076173	<0.10	<0.10	NA	< 0.10	100%	50%	140%	86%	60%	130%	100%	50%	140%
1,1,2,2-Tetrachloroethane	6076173	6076173	<0.10	<0.10	NA	< 0.10	119%	50%	140%	105%	60%	130%	111%	50%	140%
o-Xylene	6076173	6076173	<0.10	<0.10	NA	< 0.10	113%	50%	140%	96%	60%	130%	114%	50%	140%
1,3-Dichlorobenzene	6076173	6076173	<0.10	<0.10	NA	< 0.10	107%	50%	140%	90%	60%	130%	101%	50%	140%
1,4-Dichlorobenzene	6076173	6076173	<0.10	<0.10	NA	< 0.10	106%	50%	140%	90%	60%	130%	100%	50%	140%
1,2-Dichlorobenzene	6076173	6076173	<0.10	<0.10	NA	< 0.10	111%	50%	140%	93%	60%	130%	100%	50%	140%
n-Hexane	6076173	6076173	<0.20	<0.20	NA	< 0.20	115%	50%	140%	98%	60%	130%	98%	50%	140%

Certified By: N Popowkolof

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Quality Assurance

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

Water Analysis

RPT Date: Aug 21, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Water)															
Dissolved Antimony	6079675		<1.0	<1.0	NA	< 1.0	102%	70%	130%	108%	80%	120%	108%	70%	130%
Dissolved Arsenic	6079675		3.0	2.3	NA	< 1.0	97%	70%	130%	105%	80%	120%	110%	70%	130%
Dissolved Barium	6079675		30.2	28.5	5.8%	< 2.0	100%	70%	130%	100%	80%	120%	98%	70%	130%
Dissolved Beryllium	6079675		<0.50	<0.50	NA	< 0.50	98%	70%	130%	101%	80%	120%	96%	70%	130%
Dissolved Boron	6079675		7290	7840	7.3%	< 10.0	92%	70%	130%	99%	80%	120%	NA	70%	130%
Dissolved Cadmium	6079675		<0.20	0.21	NA	< 0.20	100%	70%	130%	98%	80%	120%	101%	70%	130%
Dissolved Chromium	6079675		<2.0	<2.0	NA	< 2.0	99%	70%	130%	109%	80%	120%	109%	70%	130%
Dissolved Cobalt	6079675		37.2	40.7	9.0%	< 0.50	105%	70%	130%	106%	80%	120%	107%	70%	130%
Dissolved Copper	6079675		2.8	1.7	NA	< 1.0	102%	70%	130%	102%	80%	120%	100%	70%	130%
Dissolved Lead	6079675		<0.50	<0.50	NA	< 0.50	95%	70%	130%	99%	80%	120%	88%	70%	130%
Dissolved Molybdenum	6079675		6.77	8.34	20.8%	< 0.50	100%	70%	130%	102%	80%	120%	107%	70%	130%
Dissolved Nickel	6079675		31.9	33.3	4.3%	< 1.0	106%	70%	130%	102%	80%	120%	99%	70%	130%
Dissolved Selenium	6079675		10.5	9.4	11.1%	< 1.0	98%	70%	130%	105%	80%	120%	109%	70%	130%
Dissolved Silver	6079675		0.34	<0.20	NA	< 0.20	99%	70%	130%	98%	80%	120%	98%	70%	130%
Dissolved Thallium	6079675		<0.30	<0.30	NA	< 0.30	94%	70%	130%	98%	80%	120%	89%	70%	130%
Dissolved Uranium	6079675		38.3	39.1	2.1%	< 0.50	94%	70%	130%	94%	80%	120%	99%	70%	130%
Dissolved Vanadium	6079675		<0.40	0.57	NA	< 0.40	113%	70%	130%	116%	80%	120%	123%	70%	130%
Dissolved Zinc	6079675		6.9	10.8	NA	< 5.0	103%	70%	130%	90%	80%	120%	97%	70%	130%

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

Certified By: Iris Verástegui

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Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ethylbenzene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
m & p-Xylene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
o-Xylene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
Xylenes (Total)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
F1 (C6 to C10)	VOL-91- 5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Vinyl Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromomethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Acetone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methylene Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
trans- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl tert-butyl ether	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
cis- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chloroform	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Benzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromodichloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

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Method Summary

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ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

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

Results relate only to the items tested. Results apply to samples as received.

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

Method Summary

CLIENT NAME: EXP SERVICES INC

AGAT WORK ORDER: 24H185136

PROJECT: GTR-23006348-E1

ATTENTION TO: Jennifer Hayman

SAMPLING SITE:OAKVILLE

SAMPLED BY:CH/JP

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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

Chain of Custody Record

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

Laboratory Use Only

Work Order #: 24H185136

Cooler Quantity: 1 COOLER

Arrival Temperatures: 1.5 | 1.2 | 2.1

~~Depot~~ Temperatures: 1.2 | 1.0 | 1.1

Custody Seal Intact: ☐ Yes ☐ No ☐ N/A

Notes: BAGGED ICE

Report Information:

Company: EXP Services Inc

Contact: Jennifer Hayman

Address: 1266 South Service Rd Stoney Creek

Phone: Fax:

Reports to be sent to:

1. Email: jennifer.hayman@exp.com
2. Email: nicole.maquoid@exp.com

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04 — Table 2 (Indicate One) — ☐ Ind/Com ☒ Res/Park ☐ Agriculture

Soil Texture (Check One): ☐ Coarse ☒ Fine

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

☐ Regulation 558

☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm — Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other — Indicate One

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT

*TAT is exclusive of weekends and statutory holidays

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

Project Information:

Project: GTR-230063348-E1

Site Location: S. Service Rd E., Oakville

Sampled By: CH/JP

AGAT Quote #: Standing PO: GTR-230063348-E1

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

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

Report Guideline on Certificate of Analysis ☒ Yes ☐ No

Legal Sample ☐

Invoice Information:

Bill To Same: Yes ☐ No ☒

Company: EXP Services Inc

Contact:

Address: AP@exp.com

Email:

Sample Matrix Legend

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: VOC	O. Reg 153: PAHs	O. Reg 153: PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4	O. Reg 406: EC, SAR	O. Reg 406: Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ Metals ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	Corrosivity: ☐ Moisture ☐ Sulphide	ICPMS metals	Potentially Hazardous or High Concentration (Y/N)
1. MW 119A	24/8/13	1:00 AM/PM	7	GW					X		X							X	
2. MW 133A		1:45 AM/PM	2								X								
3. MW 207A		10:15 AM/PM	8			Y			X	X	X							X	
4. MW 301		9:30 AM/PM	8			Y			X		X							X	
5. MW 302		9:00 AM/PM	3							X									
6. MW 320D		11:45 AM/PM	3							X									
7. MW 332S		1:30 AM/PM	1			Y												X	
8. MW 332S-D		1:30 AM/PM	1			Y												X	
9. MW 333		12:50 AM/PM	3							X									
10. MW 334		11:15 AM/PM	3							X									
11. MW 337		2:45 AM/PM	3							X									

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Danielle Baptist Danielle Baptist	24/8/14	1pm	T Stephenson	08.14.24	1:00pm
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
				Aug 14	3:52p
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

Page 1 of 2

№: T-156876

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AGAT Laboratories

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

Chain of Custody Record

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

Laboratory Use Only
Work Order #: 24H185136

Cooler Quantity:
Arrival Temperatures: Sleeve 1
Depot Temperatures:
Custody Seal Intact: ☐Yes ☐No ☐N/A
Notes:

Report Information:
Company:
Contact:
Address: SAA Pg 1
Phone: Fax:
Reports to be sent to:
1. Email:
2. Email:

Regulatory Requirements:
(Please check all applicable boxes)

☑ Regulation 153/04 — Table 2 (Indicate One) — ☐Ind/Com ☑Res/Park ☐Agriculture
Soil Texture (Check One): ☐Coarse ☑Fine
☐ Regulation 406 — Table (Indicate One) — ☐Ind/Com ☐Res/Park ☐Agriculture
☐ Regulation 558
☐ CCME
☐ Sewer Use ☐Sanitary ☐Storm — Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other — Indicate One

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

Report Guideline on Certificate of Analysis ☑ Yes ☐ No

Turnaround Time (TAT) Required:
Regular TAT ☑ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply) ☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CSR

Project Information:
Project:
Site Location: SAA Pg 1
Sampled By:
AGAT Quote #: PO:
Please note: if quotation number is not provided, client will be billed full price for analysis.

Legal Sample ☐

Invoice Information:
Bill To Same: Yes ☐ No ☐
Company:
Contact:
Address: SAA Pg 1
Email:

Sample Matrix Legend

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐CrVI, ☐Hg, ☐HWSB	O. Reg 153: BTEX, F1-F4 PHCs	VOC	PAHs	PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package	O. Reg 406: pH, Metals, BTEX, F1-F4	O. Reg 406: EC, SAR	O. Reg 406: Regulation 406 SPLP Rainwater Leach mSPLP: ☐Metals ☐vVOCs ☐SVOCs ☐DOC	O. Reg 558: Landfill Disposal Characterization TCLP: TCLP: ☐M&I ☐VOCs ☐ABNs ☐B(a)P ☐PCBs	Corrosivity: ☐ Moisture ☐ Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. MW 338	24/8/13	2:00 AM/PM	3	GW						X									
2. MW 339	↓	12:60 AM/PM	3	↓						X									
3. MW 340		12:20 AM/PM	3							X									
4. Trip Blank			AM/PM 3							X									
5.			AM/PM																
6.			AM/PM																
7.			AM/PM																
8.			AM/PM																
9.			AM/PM																
10.			AM/PM																
11.			AM/PM																

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Danielle Bushnell	24/8/14	1pm	T. Stephenson	08-14-24	1:00pm
Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
				Aug 14	3:52
Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time

Page 2 of 2

№: T - 159915

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Document ID: DM-TB-1511.023
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Date Issued: Jan 16, 2024

Your Project #: GTR-23006348-E1 (TASK 201)
Site Location: SOUTH SERVICE ROAD, OAKVILLE
Your C.O.C. #: 1007185-98-01

Attention: Jennifer Hayman

exp Services Inc
Stoney Creek Branch
1266 South Service Rd
Suite C1-1
Stoney Creek, ON
CANADA L8E 5R9

Report Date: 2024/08/30
Report #: R8300837
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4Q4099
Received: 2024/08/23, 18:00

Sample Matrix: Ground Water
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
1,3-Dichloropropene Sum	1	N/A	2024/08/29		EPA 8260C m
Polychlorinated Biphenyl in Water	3	2024/08/27	2024/08/28	CAM SOP-00309	EPA 8082A m
Polychlorinated Biphenyl in Water	1	2024/08/29	2024/08/29	CAM SOP-00309	EPA 8082A m
Volatile Organic Compounds in Water	1	N/A	2024/08/28	CAM SOP-00228	EPA 8260D

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Your Project #: GTR-23006348-E1 (TASK 201)
Site Location: SOUTH SERVICE ROAD, OAKVILLE
Your C.O.C. #: 1007185-98-01

Attention: Jennifer Hayman

exp Services Inc
Stoney Creek Branch
1266 South Service Rd
Suite C1-1
Stoney Creek, ON
CANADA L8E 5R9

Report Date: 2024/08/30
Report #: R8300837
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4Q4099
Received: 2024/08/23, 18:00

Encryption Key

Bureau Veritas
30 Aug 2024 16:48:32

Please direct all questions regarding this Certificate of Analysis to:
Patricia Legette, Project Manager
Email: Patricia.Legette@bureauveritas.com
Phone# (905)817-5799

==========

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

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

VOLATILE ORGANICS BY GC/MS (GROUND WATER)

Bureau Veritas ID		AAXN59		
Sampling Date		2024/08/23 13:45		
COC Number		1007185-98-01		
	UNITS	**MW133A**	**RDL**	**QC Batch**
Calculated Parameters				
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	0.50	9599463
Volatile Organics				
Acetone (2-Propanone)	ug/L	<10	10	9601462
Benzene	ug/L	<0.20	0.20	9601462
Bromodichloromethane	ug/L	<0.50	0.50	9601462
Bromoform	ug/L	<1.0	1.0	9601462
Bromomethane	ug/L	<0.50	0.50	9601462
Carbon Tetrachloride	ug/L	<0.19	0.19	9601462
Chlorobenzene	ug/L	<0.20	0.20	9601462
Chloroform	ug/L	<0.20	0.20	9601462
Dibromochloromethane	ug/L	<0.50	0.50	9601462
1,2-Dichlorobenzene	ug/L	<0.40	0.40	9601462
1,3-Dichlorobenzene	ug/L	<0.40	0.40	9601462
1,4-Dichlorobenzene	ug/L	<0.40	0.40	9601462
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	1.0	9601462
1,1-Dichloroethane	ug/L	<0.20	0.20	9601462
1,2-Dichloroethane	ug/L	<0.49	0.49	9601462
1,1-Dichloroethylene	ug/L	<0.20	0.20	9601462
cis-1,2-Dichloroethylene	ug/L	<0.50	0.50	9601462
trans-1,2-Dichloroethylene	ug/L	<0.50	0.50	9601462
1,2-Dichloropropane	ug/L	<0.20	0.20	9601462
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	9601462
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	9601462
Ethylbenzene	ug/L	<0.20	0.20	9601462
Ethylene Dibromide	ug/L	<0.19	0.19	9601462
Hexane	ug/L	<1.0	1.0	9601462
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	9601462
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	10	9601462
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	9601462
Methyl t-butyl ether (MTBE)	ug/L	<0.50	0.50	9601462
Styrene	ug/L	<0.40	0.40	9601462

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

VOLATILE ORGANICS BY GC/MS (GROUND WATER)

Bureau Veritas ID		AAXN59		
Sampling Date		2024/08/23 13:45		
COC Number		1007185-98-01		
	UNITS	**MW133A**	**RDL**	**QC Batch**
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	9601462
1,1,2,2-Tetrachloroethane	ug/L	<0.40	0.40	9601462
Tetrachloroethylene	ug/L	<0.20	0.20	9601462
Toluene	ug/L	<0.20	0.20	9601462
1,1,1-Trichloroethane	ug/L	<0.20	0.20	9601462
1,1,2-Trichloroethane	ug/L	<0.40	0.40	9601462
Trichloroethylene	ug/L	<0.20	0.20	9601462
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	9601462
Vinyl Chloride	ug/L	<0.20	0.20	9601462
p+m-Xylene	ug/L	<0.20	0.20	9601462
o-Xylene	ug/L	<0.20	0.20	9601462
Total Xylenes	ug/L	<0.20	0.20	9601462
Surrogate Recovery (%)				
4-Bromofluorobenzene	%	105		9601462
D4-1,2-Dichloroethane	%	106		9601462
D8-Toluene	%	95		9601462

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4Q4099
Report Date: 2024/08/30

exp Services Inc
Client Project #: GTR-23006348-E1 (TASK 201)
Site Location: SOUTH SERVICE ROAD, OAKVILLE
Sampler Initials: DB

POLYCHLORINATED BIPHENYLS BY GC-ECD (GROUND WATER)

Bureau Veritas ID		AAXN60	AAXN61	AAXN62		AAXN63		
Sampling Date		2024/08/23 15:00	2024/08/23 14:30	2024/08/23 15:35		2024/08/23 16:00		
COC Number		1007185-98-01	1007185-98-01	1007185-98-01		1007185-98-01		
	UNITS	**MW151**	**MW305**	**MW317**	**QC Batch**	**MW123**	**RDL**	**QC Batch**
PCBs								
Aroclor 1242	ug/L	<0.05	<0.05	<0.05	9601130	<0.05	0.05	9606687
Aroclor 1248	ug/L	<0.05	<0.05	<0.05	9601130	<0.05	0.05	9606687
Aroclor 1254	ug/L	<0.05	<0.05	<0.05	9601130	<0.05	0.05	9606687
Aroclor 1260	ug/L	<0.05	<0.05	<0.05	9601130	<0.05	0.05	9606687
Total PCB	ug/L	<0.05	<0.05	<0.05	9601130	<0.05	0.05	9606687
Surrogate Recovery (%)								
Decachlorobiphenyl	%	92	82	75	9601130	107		9606687

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4Q4099
Report Date: 2024/08/30

exp Services Inc
Client Project #: GTR-23006348-E1 (TASK 201)
Site Location: SOUTH SERVICE ROAD, OAKVILLE
Sampler Initials: DB

TEST SUMMARY

Bureau Veritas ID: AAXN59 **Collected:** 2024/08/23
Sample ID: MW133A **Shipped:**
Matrix: Ground Water **Received:** 2024/08/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9599463	N/A	2024/08/29	Automated Statchk
Volatile Organic Compounds in Water	GC/MS	9601462	N/A	2024/08/28	Noel Ramos

Bureau Veritas ID: AAXN60 **Collected:** 2024/08/23
Sample ID: MW151 **Shipped:**
Matrix: Ground Water **Received:** 2024/08/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Polychlorinated Biphenyl in Water	GC/ECD	9601130	2024/08/27	2024/08/28	Debashis Saha

Bureau Veritas ID: AAXN61 **Collected:** 2024/08/23
Sample ID: MW305 **Shipped:**
Matrix: Ground Water **Received:** 2024/08/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Polychlorinated Biphenyl in Water	GC/ECD	9601130	2024/08/27	2024/08/28	Debashis Saha

Bureau Veritas ID: AAXN62 **Collected:** 2024/08/23
Sample ID: MW317 **Shipped:**
Matrix: Ground Water **Received:** 2024/08/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Polychlorinated Biphenyl in Water	GC/ECD	9601130	2024/08/27	2024/08/28	Debashis Saha

Bureau Veritas ID: AAXN63 **Collected:** 2024/08/23
Sample ID: MW123 **Shipped:**
Matrix: Ground Water **Received:** 2024/08/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Polychlorinated Biphenyl in Water	GC/ECD	9606687	2024/08/29	2024/08/29	Debashis Saha

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GENERAL COMMENTS

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

Package 1	14.3°C

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9601130	Decachlorobiphenyl	2024/08/28	88	60 - 130	80	60 - 130	90	%		
9601462	4-Bromofluorobenzene	2024/08/28	104	70 - 130	102	70 - 130	104	%		
9601462	D4-1,2-Dichloroethane	2024/08/28	104	70 - 130	101	70 - 130	101	%		
9601462	D8-Toluene	2024/08/28	96	70 - 130	98	70 - 130	97	%		
9606687	Decachlorobiphenyl	2024/08/29	92	60 - 130	76	60 - 130	89	%		
9601130	Aroclor 1242	2024/08/28					<0.05	ug/L		
9601130	Aroclor 1248	2024/08/28					<0.05	ug/L		
9601130	Aroclor 1254	2024/08/28					<0.05	ug/L		
9601130	Aroclor 1260	2024/08/28	98	60 - 130	89	60 - 130	<0.05	ug/L		
9601130	Total PCB	2024/08/28	98	60 - 130	89	60 - 130	<0.05	ug/L	NC	40
9601462	1,1,1,2-Tetrachloroethane	2024/08/28	120	70 - 130	107	70 - 130	<0.50	ug/L	NC	30
9601462	1,1,1-Trichloroethane	2024/08/28	112	70 - 130	101	70 - 130	<0.20	ug/L	NC	30
9601462	1,1,2,2-Tetrachloroethane	2024/08/28	106	70 - 130	90	70 - 130	<0.40	ug/L	NC	30
9601462	1,1,2-Trichloroethane	2024/08/28	113	70 - 130	98	70 - 130	<0.40	ug/L	NC	30
9601462	1,1-Dichloroethane	2024/08/28	109	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
9601462	1,1-Dichloroethylene	2024/08/28	113	70 - 130	102	70 - 130	<0.20	ug/L	NC	30
9601462	1,2-Dichlorobenzene	2024/08/28	115	70 - 130	103	70 - 130	<0.40	ug/L	NC	30
9601462	1,2-Dichloroethane	2024/08/28	123	70 - 130	106	70 - 130	<0.49	ug/L	NC	30
9601462	1,2-Dichloropropane	2024/08/28	115	70 - 130	102	70 - 130	<0.20	ug/L	NC	30
9601462	1,3-Dichlorobenzene	2024/08/28	118	70 - 130	107	70 - 130	<0.40	ug/L	NC	30
9601462	1,4-Dichlorobenzene	2024/08/28	123	70 - 130	112	70 - 130	<0.40	ug/L	NC	30
9601462	Acetone (2-Propanone)	2024/08/28	120	60 - 140	98	60 - 140	<10	ug/L	NC	30
9601462	Benzene	2024/08/28	115	70 - 130	102	70 - 130	<0.20	ug/L	NC	30
9601462	Bromodichloromethane	2024/08/28	112	70 - 130	99	70 - 130	<0.50	ug/L	NC	30
9601462	Bromoform	2024/08/28	108	70 - 130	98	70 - 130	<1.0	ug/L	NC	30
9601462	Bromomethane	2024/08/28	97	60 - 140	88	60 - 140	<0.50	ug/L	NC	30
9601462	Carbon Tetrachloride	2024/08/28	122	70 - 130	111	70 - 130	<0.19	ug/L	NC	30
9601462	Chlorobenzene	2024/08/28	106	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
9601462	Chloroform	2024/08/28	115	70 - 130	102	70 - 130	<0.20	ug/L	NC	30
9601462	cis-1,2-Dichloroethylene	2024/08/28	121	70 - 130	107	70 - 130	<0.50	ug/L	NC	30
9601462	cis-1,3-Dichloropropene	2024/08/28	111	70 - 130	102	70 - 130	<0.30	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9601462	Dibromochloromethane	2024/08/28	116	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
9601462	Dichlorodifluoromethane (FREON 12)	2024/08/28	93	60 - 140	83	60 - 140	<1.0	ug/L	NC	30
9601462	Ethylbenzene	2024/08/28	108	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
9601462	Ethylene Dibromide	2024/08/28	117	70 - 130	101	70 - 130	<0.19	ug/L	NC	30
9601462	Hexane	2024/08/28	122	70 - 130	110	70 - 130	<1.0	ug/L	NC	30
9601462	Methyl Ethyl Ketone (2-Butanone)	2024/08/28	119	60 - 140	97	60 - 140	<10	ug/L	NC	30
9601462	Methyl Isobutyl Ketone	2024/08/28	126	70 - 130	106	70 - 130	<5.0	ug/L	NC	30
9601462	Methyl t-butyl ether (MTBE)	2024/08/28	113	70 - 130	99	70 - 130	<0.50	ug/L	NC	30
9601462	Methylene Chloride(Dichloromethane)	2024/08/28	116	70 - 130	100	70 - 130	<2.0	ug/L	NC	30
9601462	o-Xylene	2024/08/28	114	70 - 130	103	70 - 130	<0.20	ug/L	NC	30
9601462	p+m-Xylene	2024/08/28	109	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
9601462	Styrene	2024/08/28	110	70 - 130	100	70 - 130	<0.40	ug/L	NC	30
9601462	Tetrachloroethylene	2024/08/28	110	70 - 130	100	70 - 130	<0.20	ug/L	NC	30
9601462	Toluene	2024/08/28	110	70 - 130	99	70 - 130	<0.20	ug/L	0.48	30
9601462	Total Xylenes	2024/08/28					<0.20	ug/L	NC	30
9601462	trans-1,2-Dichloroethylene	2024/08/28	124	70 - 130	111	70 - 130	<0.50	ug/L	NC	30
9601462	trans-1,3-Dichloropropene	2024/08/28	118	70 - 130	111	70 - 130	<0.40	ug/L	NC	30
9601462	Trichloroethylene	2024/08/28	119	70 - 130	107	70 - 130	<0.20	ug/L	NC	30
9601462	Trichlorofluoromethane (FREON 11)	2024/08/28	111	70 - 130	101	70 - 130	<0.50	ug/L	NC	30
9601462	Vinyl Chloride	2024/08/28	107	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
9606687	Aroclor 1242	2024/08/29					<0.05	ug/L	NC	30
9606687	Aroclor 1248	2024/08/29					<0.05	ug/L	NC	30
9606687	Aroclor 1254	2024/08/29					<0.05	ug/L	NC	30
9606687	Aroclor 1260	2024/08/29	99	60 - 130	84	60 - 130	<0.05	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9606687	Total PCB	2024/08/29	99	60 - 130	84	60 - 130	<0.05	ug/L	NC	40

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

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

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

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

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

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

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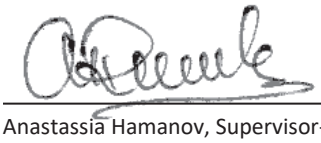
Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4Q4099
Report Date: 2024/08/30

exp Services Inc
Client Project #: GTR-23006348-E1 (TASK 201)
Site Location: SOUTH SERVICE ROAD, OAKVILLE
Sampler Initials: DB

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, Supervisor-Afternoon Shift

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

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C4Q4099
2024/08/23 18:00

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

NONT-2024-08-5431

Page of

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name:	#17492 exp Services Inc	Company Name:	Exp services inc.	Quotation #:	~~C41513~~ Stream 3
Attention:	Accounts Payable	Attention:	Jennifer Hayman	P.O. #:	
Address:	1266 South Service Rd Suite C1-1	Address:	12606 S. service Rd Stoney creek	Project:	GTR-230063488-E1 TAT 20
	Stoney Creek ON L8E 5R9			Project Name:	South service Road Oakville
Tel:	(905) 573-4000 Fax:	Tel:	Fax:	Site #:	
Email:	AP@exp.com; Karen.Burke@exp.com	Email:	Jennifer.hayman@exp.com	Sampled By:	Danielle Baptiste

COC #:	Bottle Order #:	Project Manager:
C#1007185-98-01	1007185	Patricia Legette

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

Regulation 153 (2011)
- [ ] Table 1 [x] Res/Park [ ] Medium/Fine
- [x] Table 2 [ ] Ind/Comm [ ] Coarse
- [ ] Table 3 [ ] Agri/Other [x] For RSC
- [ ] Table ___

Other Regulations
- [ ] CCME [ ] Sanitary Sewer Bylaw
- [ ] Reg 558 [ ] Storm Sewer Bylaw
- [ ] MISA Municipality ___
- [ ] PWQO [ ] Reg 406 Table ___
- [ ] Other ___

Special Instructions

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

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

Turnaround Time (TAT) Required:
Please provide advance notice for rush projects

Regular (Standard) TAT: [x]
(will be applied if Rush TAT is not specified):
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___ [ ]
Rush Confirmation Number: ___ *(call lab for #)*

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	PCBs	VOCs	# of Bottles	Comments
1	MW133A		August 23, 2024	145pm	GW		X	3	
2	MW151			3:00		X		2	
3	MW305			2:30		X		2	
4	MW317			3:35		X		2	
5	MW123			4:00		X		2	
6									
7									
8									
9									
10									

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Danielle Baptiste	2024/08/23	5:40pm	[illegible] SUCKR SALVXN	2024/08/23	18:00	

Laboratory Use Only

Time Sensitive	Temperature (°C) on Recei	Custody Seal	Yes	No
	16 / 14 / 13	Present		
		Intact		

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

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

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

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

White: Bureau Veritas Yellow: Client
OH
ICE

Bureau Veritas Canada (2019) Inc.

Appendix F – Non-Potable Groundwater Application

June 5, 2024

Nicole McQuoid
EXP Services Inc.
1266 South Service Road, Suite C1-1
Stoney Creek, ON L8E 5R9

Infrastructure Planning Policy
Public Works
1151 Bronte Road
Oakville ON L6M 3L1

Dear Nicole McQuoid,

RE: **Notification of Intent to Use Non-Potable Groundwater Site Condition Standards**
Subject Property: 420-468 S SERVICE RD E OAKVILLE, ON

Halton Region staff have prepared this letter in response to your request, received by Halton Region Planning Services on 6/3/2024, to apply MECP Non-Potable Soil, Ground Water and Sediment Standards at the subject property, pursuant to Ontario Regulation 153/04 under Part XV.1 of the Environmental Protection Act.

The key features considered for this request are as follows:

1. Wellhead Protection Area:	NO
2. Highly Vulnerable Aquifer	YES
3. Rural Area:	NO
4. Water Well Records Within 250 metres:	NO
5. Environmentally Sensitive Areas Within 30 metres:	NO

Region of Halton records indicate that the property is located within the municipality of Oakville. It is not within a wellhead protection area and is located within a highly vulnerable aquifer, as identified in the Region's Source Water Protection Planning under the Clean Water Act, 2006. The property is not located within 30m of environmentally sensitive areas (see definition in O. Reg. 153/04). There are no potable well records (Count: 0) that are located within 250m of the property.

Based on this information, Halton Region objects to the intention to apply non-potable water use criteria for the assessment of the subject property.

If you have any questions regarding this information, please contact the undersigned at ext. 7109.

Sincerely,

Ryan Veenendaal, P.Geo.
Source Protection Coordinator – Public Works – Infrastructure Planning Policy

c. Tim Edwards, District Engineer, Ministry of the Environment, Halton-Peel District Office (tim.edwards@ontario.ca)
Tetyana Seminska, Manager, Environmental Health, Halton Region (Tetyana.Seminska@halton.ca)
Jeffrey Lee, Town of Oakville (jeffrey.lee@oakville.ca)

Printed from the Halton Contaminated Sites Viewer

0 0.14 Miles

Legend

- Subject Property
- Property Parcels
- Water Well Records
- NHS Key (Lines)
- NHS Key Shoreline Lake Ontario
- Regulated Water Courses
- MNR Water Polygon
- MNR Wetlands Identified
- MNR Provincial Wetlands
- MNR Regional Wetlands
- MNR Ansi
- NHS Key Features
- Well head Protection Area(Q)
- WHPA-A-100
- WHPA-B-2y
- WHPA-C-5y
- WHPA-D-25y
- WHPA-E
- Highly Vulnerable Aquifers
- PW Well Head Protection Areas(Q)
- Well Head Protection Zones

NOTE: Not all items in the legend may be seen in the view printed

Potable Water Supply Well IDs:

c. Tim Edwards, District Engineer, Ministry of the Environment, Halton-Peel District Office (tim.edwards@ontario.ca)
Tetyana Seminska, Manager, Environmental Health, Halton Region (Tetyana.Seminska@halton.ca)
Jeffrey Lee, Town of Oakville (jeffrey.lee@oakville.ca)

Appendix G – Phase Two Conceptual Site Model

Phase Two Conceptual Site Model – 420 & 468 South Service Road East, Oakville, Ontario

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1266 South Service Road, Suite C1-1, Stoney Creek, ON, L8E 5R9
T: +1.905.573.4000 | F: 905.573.9693 | exp.com

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1 Phase Two Conceptual Site Model

This section presents a Phase Two Conceptual Site Model (P2CSM) providing a narrative, graphical and tabulated description integrating information related to the Site geologic and hydrogeologic conditions, areas of potential environmental concern/potential contaminating activities, the presence and distribution of potential contaminants of concern, contaminant fate and transport, and potential exposure pathways. These components are discussed in the following sections. This Phase Two CSM was completed in accordance with Ontario Regulation (O. Reg.) 153/04 as defined by the Ministry of the Environment, Conservation, and Parks (MECP).

1.1 Introduction and Background

The Site is located on the south side of South Service Road East, approximately 260 metres (m) west of Chartwell Road in Oakville, Ontario. The Site measures approximately 11.4 hectares (28.26 acres) in area and is currently vacant, however a portion of a former Site building (designated heritage) was located along the northern portion of the Site. Additionally, that the foundations of the former buildings were still in place The areas surrounding the former Site buildings (foundations) consisted of asphalt paved areas to the west, east and south, and the remainder of the Site consisted of overgrown vegetation. In addition, there were five (5) areas on-Site where stockpiles were observed. A berm was located in the southeast portion of the Site.

Based on the review of historical aerial photographs, interviews, and other records, the western portion of the Site (420 South Service Road East) was initially developed in 1948 by General Electric (GE) for the manufacturing of car headlamps and fluorescent slim lines and was routinely expanded for further manufacturing operations until the facility was closed circa 2010. The northeastern portion of the Site (468 South Service Road East) was developed in 1956 as a gasoline service station (Supertest Petroleum), following which the eastern portion of the Site was acquired by GE to support its ongoing operations at 420 South Service Road East.

Table 1: Site Identification Information

Municipal Address	420 and 468 South Service Road East, in Oakville, Ontario
Current Land Use	Vacant
Proposed Land Use	Mixed-use Residential, Commercial and Parkland
Legal Description	Pt lot 12, Con 3 TRAF SDS as in TW14350; Lots 113 & 114 Pl 1009
Property Identification Number (PIN)	24806-0373 (LT)
Approximate Universal Transverse Mercator (UTM) coordinates	NAD83 17T 606867 m E 4813086 m N
Accuracy Estimate of UTM	10-15 m
Measurement Method	Global Positioning System
Site Area	11.4 hectares (28.26 acres)
Property Owners, Owner Contact and Address	South Service Holding Corp. 156 Duncan Mill Road, Suite 12 Toronto, Ontario
Name of Any Other Person Who Engaged the Qualified Person	Rose Corporation Contact: Amir Hazar and David Bannerman Email: amir@rosecorp.com and david@rosecorp.com

1.2 Previous Investigations

The following reports were available for review at the time of this Phase One ESA:

1. *"General Electric Consumer & Industrial – Phase I Environmental Site Assessment, 468 South Service Road East, Oakville, Ontario"*, dated July 2007, prepared for GE Consumer & Industrial, prepared by AMEC Earth & Environmental Inc. (AMEC).
2. *"Demolition Project Summary Report – GE Oakville Lamp Plant, 420 & 468 South Service Road East, Oakville, Ontario",* dated March 19, 2012, prepared for General Electric Inc., prepared by Pinchin Environmental (Pinchin).
3. *"Underground Storage Tank Removal Report – Former General Electric Canada Lighting Facility, 420 South Service Road East, Oakville, Ontario",* dated November 2013, prepared for GE Canada, prepared by AECOM.
4. *"Draft Phase One Environmental Site Assessment, 420 and 468 South Service Road East, Oakville, Ontario",* dated February 2014, prepared for GE Canada, prepared by AECOM.
5. *"Draft Phase II Environmental Site Assessment – Former Oakville Lamp Manufacturing Plant, 420 and 468 South Service Road East, Oakville, Ontario",* dated January 2014, prepared for GE Canada, prepared by AECOM.
6. *"Soil & Groundwater Investigation, 420 and 468 South Service Road East, Oakville, Ontario",* dated January 2015, prepared for First Gulf Real Estate Corporation, prepared by Pinchin.
7. *"Soil Stockpile Characterization, 420 South Service Road East, Oakville, Ontario",* dated March 26, 2021, prepared for General Electric Company, prepared by Arcadis Canada Inc. (Arcadis).
8. *"Remedial Injection Completion, 420 South Service Road East, Oakville, Ontario",* dated February 15, 2023, prepared for General Electric Company, prepared by Arcadis.
9. *"Soil and Groundwater Sampling and Chemical Testing Program - 420 and 468 South Service Road East, Oakville, ON",* dated October 27, 2023 (Rev. November 20, 2023), prepared for Rose Acquisition Corporation, prepared by EXP Services Inc. (EXP).
10. *"Phase I Environmental Site Assessment – 420 and 468 South Service Road East, Oakville, ON.",* dated February 16, 2024, prepared for Rose Acquisition Corporation, prepared by EXP.

A summary of previous reports that were reviewed by EXP is provided in Table G-1 (attached).

Based on the previous reports the following Potentially Contaminating Activities (PCAs) are associated with the Site:

- PCA #30 – Importation of Fill Material of Unknown Quality.
- PCA 'Other' – Elevated Soil Exceedances.
- PCA 'Other' – Elevated Groundwater Exceedances.

Based on the Phase One ESA – September 2024 the following Areas of Potential Environmental Concern (APECs) are associated with the Site:

APEC 1A: Berm and stockpiled materials and historical fill materials being encountered (PCA identifier 1A)

APEC 1B: Salt Application (PCA identifier 1B)

APEC 1C: Historical soil exceedances (PCA identifier 1C)

APEC 1D: Historical groundwater exceedances (PCA identifier 1D)

APEC 1E: Historical manufacturing operations (PCA identifier 1E)

APEC 1F: Historical waste generation on-Site (PCA identifier 1F)

APEC 1G: Historical fuel oil and hydraulic oil on-Site spills (PCA identifier 1G)

APEC 2: Historical railway sidings on-Site (PCA identifier 3)

APEC 3A to 3B: Historical fuel oil USTs (PCA identifier 4A to 4B)

APEC 3C: Historical fuel oil UST (PCA identifier 4C)

APEC 3D: Historical acid UST (PCA identifier 4D)

APEC 3E: Historical production UST (PCA identifier 4E)

APEC 4: Historical switch room/transformer (PCA identifier 5)

APEC 5: Historical PCB storage and use (PCA identifier 6)

APEC 6A: Historical service station (PCA identifier 7A)

APEC 6B to 6D: Historical gasoline USTs (PCA identifier 7B to 7D)

APEC 6E: Historical waste oil UST (PCA identifier 7E)

APEC 6F: Historical on-Site orchards (PCA identifier 7F)

APEC 7: Off-Site historical operations (manufacturing, service station) (PCA identifier 8A-B, 9, 12A-C, 13A-C & 33)

APEC 8: Off-Site historical operations (manufacturing) (PCA identifier 10A-E & 21A-D)

APEC 9: Off-Site historical operations (manufacturing, orchard, autobody) (PCA identifier 14A-C, 19, 20A-B, 29A-D, 32A-D & 34)

1.3 Potentially Contaminating Activities

A Phase One ESA , in accordance with O.Reg. 153/04, was conducted by EXP, , for the Phase One Property. Several potentially contaminating activities (PCAs) were identified on-Site and within 250 m from the Phase One Property site boundaries. All PCAs that were identified within 250 m property are shown on Figure 2. Each PCA was further evaluated to determine if the activity may be contributing to an area of potential environmental concern (APEC) at the Phase One Property.

The QP determined that select PCAs may contribute to an APEC for the property, while several PCAs were determined to not contribute to an APEC at the Phase One Property/Site due to various factors including, but not limited to, relative distance to the Phase One Property/Site, orientation to the Phase One Property/Site, degree and nature of PCA operations, potentially impacted media, etc. The PCAs are listed below. Refer to Table G-2 (attached) for the evaluation of the PCAs for the Site and for the Phase One Study Area. Refer to Figure 2 for the location of the PCAs.

PCA#10 – Commercial autobody shops.

PCA#17 – Dye Manufacturing, Processing and Bulk Storage.

PCA#19 – Electronic and Computer Equipment Manufacturing.

PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks.

PCA#30 – Importation of Fill Material of Unknown Quality.

PCA#31 – Ink manufacturing, processing, and bulk storage.

PCA#33 – Metal Treatment, Coating, Plating and Finishing.

PCA#34 – Metal Fabrication.

PCA#39 – Paints Manufacturing, Processing and Bulk Storage.

PCA#40 – Pesticides (including herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications.

PCA#42 – Pharmaceutical Manufacturing and Processing.

PCA#43 – Plastics (including Fibreglass) Manufacturing and Processing.

PCA#46 – Rail Yards, Tracks and Spurs.

PCA#52 – storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems.

PCA#54 – Textile Manufacturing and Processing.

PCA#55 – Transformer Manufacturing, Processing and Use.

PCA#57 – Vehicles and Associated Parts Manufacturing.

PCA#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.

PCA 'Other' - Salt Application.

PCA 'Other' – Elevated Soil Exceedances.

PCA 'Other' – Elevated Groundwater Exceedances.

PCA 'Other' – Lamp/Light Manufacturing.

PCA 'Other' – Registered Generator of Hazardous Wastes.

PCA 'Other' – Spill of Petroleum or Associated Products.

PCA 'Other' – Spill of Glycol/Water solution.

PCA 'Other' – Spill of Treated Coater Water.

PCA 'Other' – Acid Storage Tank.

PCA 'Other' – Production Underground Storage Tank.

PCA 'Other' – PCB Storage.

PCA 'Other' – Contaminated Site.

PCA 'Other' – Spill of Corrosive Material.

PCA 'Other' – Spill of 10% Sodium Hydroxide.

PCA 'Other' – Spill of Ferric Chloride.

PCA 'Other' – Other Manufacturing Operations.

PCA 'Other' – Spill of Hazardous Liquids.

PCA 'Other' – Trans-Northern Pipeline (Oil).

1.4 Areas of Potential Environmental Concern

Based on the evaluation of the PCAs located within the Phase One Study Area, areas of potential environmental concern (APECs) were identified, as presented in Figure 4, and summarized in Table below.

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)[1]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or sediment)
APEC 1A: Berm, stockpiled materials and historical fill materials being encountered. (PCA identifier 1A)	Entire Site	PCA #30 – Importation of Fill Material of Unknown Quality.	On-Site	Metals, Hydride-Forming Metals (HFMs), Boron (Hot Water Soluble) (HWS-B), Chromium VI (CrVI), Free Cyanide (CN-), Mercury (Hg), Petroleum Hydrocarbons (PHCs), Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), and Polycyclic Aromatic Hydrocarbons (PAHs)	Soil
APEC 1B: Salt Application. (PCA identifier 1B)		PCA 'Other' - Salt Application.		Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR)	Soil
APEC 1C: Historical soil exceedances. (PCA identifier 1C)		PCA 'Other' – Elevated Soil Exceedances.		PHCs, BTEX, Volatile Organic Compounds (VOCs), PAHs, Metals, HFMs, HWS-B, CrVI, CN-, Hg, pH, Methyl Mercury (MeHg)	Soil
APEC 1D: Historical groundwater exceedances. (PCA identifier 1D)		PCA 'Other' – Elevated Groundwater Exceedances.		PHCs, BTEX, VOCs, PAHs, Metals, HFMs	Groundwater
APEC 1E: Historical manufacturing operations. (PCA identifier 1E)		PCA 'Other' – Lamp/Light Manufacturing.		PHCs, BTEX, VOCs, PAHs, Metals, HFMs, HWS-B, CrVI, CN-, Hg, pH	Soil
				PHCs, BTEX, VOCs, PAHs, Metals, HFMs, CrVI, Hg	Groundwater
APEC 1F: Historical waste generation on-Site. (PCA identifier 1F)		PCA 'Other' – Registered Generator of Hazardous Wastes.		PHCs, BTEX, VOCs, Polychlorinated Biphenyls (PCBs)	Soil and Groundwater
APEC 1G: Historical fuel oil and hydraulic oil on-Site spills. (PCA identifier 1G)		PCA 'Other' – Spill of Petroleum or Associated Products.		PHCs, BTEX	Soil

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)[1]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or sediment)
APEC 2: Historical railway sidings on-Site. (PCA identifier 3)	South-central portion of the Site	PCA#46 – Rail Yards, Tracks and Spurs.	On-Site	PHCs, BTEX, Metals, HFMs, HWS-B, CrVI, CN-, Hg, PAHs	Soil
APEC 3A to 3B: Historical fuel oil USTs. (PCA identifier 4A to 4B)	North-central portion of the Site	PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks.	On-Site	PHCs, BTEX, Metals, HFM	Soil and Groundwater
APEC 3C: Historical fuel oil UST. (PCA identifier 4C)					
APEC 3D: Historical acid UST. (PCA identifier 4D)		PCA 'Other' – Acid Storage Tank.		Metals, HFM, pH	
APEC 3E: Historical production UST. (PCA identifier 4E)		PCA 'Other' – Production Underground Storage Tank.		PHCs, VOCs, Metals, HFM	
APEC 4: Historical switch room/transformer. (PCA identifier 5)	West-central portion of the Site	PCA#55 – Transformer Manufacturing, Processing and Use.	On-Site	PCBs, BTEX, PHCs	Soil and Groundwater
APEC 5: Historical PCB storage and use. (PCA identifier 6)	South-central portion of the Site	PCA 'Other' – PCB Storage.	On-Site	PCBs	Soil
APEC 6A: Historical service station. (PCA identifier 7A)	Northeast portion of the Site	PCA#52 – Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems.	On-Site	PHCs, BTEX, Metals, HFMs	Soil and Groundwater
APEC 6B to 6D: Historical gasoline USTs. (PCA identifier 7B to 7D)		PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks.		PHCs, BTEX, Metals, HFMs	
APEC 6E: Historical waste oil UST. (PCA identifier 7E)				PHCs, BTEX, Metals, HFMs	

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)[1]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or sediment)
APEC 6F: Historical on-Site orchards. (PCA identifier 7F)	East-central portion of the Site	PCA#40 – Pesticides (including herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications.	On-Site	Organochlorine Pesticides (OCPs)	Soil
APEC 7: Off-Site historical operations (manufacturing, service station). (PCA identifier 8A-B, 9, 12A-C, 13A-C & 33)	West portion of the Site	PCA#19 – Electronic and Computer Equipment Manufacturing. PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks. PCA#39 – Paints Manufacturing, Processing and Bulk Storage. PCA#43 – Plastics (including Fibreglass) Manufacturing and Processing. PCA#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners. PCA 'Other' – Registered Generator of Hazardous Wastes. PCA 'Other' – Contaminated Site. PCA 'Other' – Spill of Hazardous Liquids.	Off-Site	PHCs, BTEX, VOCs, Metals, HFMs	Groundwater
APEC 8: Off-Site historical operations (manufacturing). (PCA identifier 10A-E & 21A-D)	East portion of the Site	PCA #33 – Metal Treatment, Coating, Plating and Finishing. PCA#34 – Metal Fabrication. PCA#43 – Plastics (including Fibreglass) Manufacturing and Processing. PCA#54 – Textile Manufacturing and Processing. PCA#57 – Vehicles and Associated Parts Manufacturing. PCA 'Other' – Registered Generator of Hazardous Wastes.	Off-Site	PHCs, BTEX, VOCs, Metals, HFMs	Groundwater

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)[1]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or sediment)
APEC 9: Off-Site historical operations (manufacturing, orchard, autobody). (PCA identifier 14A-C, 19, 20A-B, 29A-D, 32A-D & 34)	North portion of the Site	PCA#10 – Commercial Autobody Shops. PCA#31 – Ink Manufacturing, Processing and Bulk Storage. PCA #33 – Metal Treatment, Coating, Plating and Finishing. PCA#34 – Metal Fabrication. PCA#40 – Pesticides (including herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications. PCA#42 – Pharmaceutical Manufacturing and Processing. PCA#57 – Vehicles and Associated Parts Manufacturing. PCA 'Other' – Registered Generator of Hazardous Wastes. PCA 'Other' – Spill of Petroleum or Associated Products. PCA 'Other' – Other Manufacturing Operations.	Off-Site	PHCs, BTEX, VOCs, Metals, HFMs, OCPs	Groundwater

Refer to Figure 4 for the location of APECs on the Site. Boreholes/monitoring wells, and test pit locations advanced on the Site to investigate the identified APECs are shown on Figures 5A, 5B and 5C.

1.5 Underground Utilities

The Site utilities and services were identified at the Site based on information provided in environmental records, relevant utility infrastructure observed during the Site reconnaissance. The Site utilities are summarized in the table below. It is noted that the precise underground location of the utilities cannot be determined without professional locate services.

Utility	Source	Location	Site Entry
Natural Gas	Unknown	Unknown	Unknown
Sanitary Sewer	Halton Region	Unknown	Unknown
Storm Sewer	Halton Region	Unknown	Unknown
Water	Halton Region	Unknown	Unknown
Electricity	Oakville Hydro	Unknown	Unknown
Telecommunications	Unknown	Unknown	Unknown
Trans-Northern Pipeline	Trans-Northern Pipeline	15 m south of the Site	Does not enter the Site

2 Physical Site Description

2.1 Stratigraphy from Ground Surface to Deepest Aquifer

The Site is expected to consist of Halton Till that predominantly consist of silt to silty clay matrix, high in matrix carbonate content and clast poor. The bedrock in the general area of the Site is part of a group belonging to the Georgian Bay Formation consisting of shale, limestone, dolostone, and siltstone.

According to the topographic map from Natural Resources of Canada (Toporama), the Site slopes gently down from the north to south. The elevations range from approximately 106 m above sea level (asl) on the north portion of the Site, to 103 m asl on the south portion of the Site.

A review of the topographic map indicated that two (2) tributaries of Morrison Creek are located approximately 60 m east and 300 m south of the Site. Both tributaries flow south/southeast towards Lake Ontario, which is located approximately 2 km south of the Site. Based on previous groundwater investigations, the inferred groundwater flow direction is to the southwest.

Based on the review of available resources from the Ontario Ministry of Natural Resources and Forestry website on July 11, 2024 (during the Phase One ESA), no areas of natural significance were identified at the Site or within 30 m of the Site. However, based on communications with Halton Region, the Site is located in a highly vulnerable aquifer.

The general stratigraphy encountered at the Site, as interpreted from the recovered soil samples consisted of surficial materials followed by fill materials, underlain by native deposits of sand and silty clay till to a maximum depth of 3.8 meters below ground surface (m bgs). Bedrock was encountered in the majority of the boreholes. The bedrock at the Site was confirmed via coring as slightly calcareous dark grey of the Georgian Bay Formation shale. A brief description of the soil stratigraphy at the Site, in order of depth, is summarized in the following sections.

2.1.1 Surface Material

Surficial materials, at the time of the start of the investigations, consisted of asphalt, concrete granular fill and/or topsoil, which were encountered in investigation locations. Asphalt ranged in thickness from 25 to 100 mm. Concrete ranged in thicknesses of 75 and 140 mm. Granular fill was encountered at the ground surface or below the asphalt or concrete and ranged in thickness from 50 to 350 mm.

2.1.2 Fill Material

A layer of fill or reworked native soil was encountered below the surficial materials at all boreholes extended to depths ranging from 0.8 to 3.1 m bgs. The fill was variable and consisted of silty clay, silty sand, sand, or sand and gravel, and traces of deleterious materials (rootlets/organics or asphalt); the colours comprised brown, grey, dark grey, or black; the moisture condition ranged from damp to wet.

2.1.3 Native Material

Silty clay till was encountered at all boreholes below the pavement structure or fill and extended to the bedrock surface or borehole termination at depths ranging from 2.3 to 3.8 m bgs. The stratum contained traces of sand, gravel, and shale fragments; was brown to grey in colour; and in a damp to moist state.

2.2 Approximate Depth to Bedrock

Bedrock was encountered in the majority of the boreholes at depths ranging from 2.3 to 3.8 m. Bedrock was confirmed by coring seven (7) boreholes (MW332D, MW333, MW334, MW337, MW338, MW339 and BH403). The bedrock at the Site was identified as weathered, weak, thinly laminated, very fine grained to fissile, slightly calcareous dark grey of the Georgian Bay Formation shale with limestone and siltstone interbeds.

2.3 Hydrogeology

A minimum of three (3) monitoring wells, screened within the sample geological formation, are required to estimate groundwater flow direction. Groundwater water levels were measured at the Site between July 11, 2023, and September 10, 2024. Based on the groundwater contour map delineated for the Site, the groundwater was measured to flow in a south to southwest direction within the overburden monitoring wells. The groundwater was measured to flow in a south to southwest direction within the shallow bedrock monitoring wells, and in a south direction with a western and eastern pull within the deep bedrock monitoring wells. The groundwater contour plans are presented in Figures 6A, 6B, and 6C. However, EXP notes that the direction of localized groundwater flow may be influenced by disturbed soil (fill), underground utilities and/or underground building structures in the area. As such, the measured groundwater flow direction may not be representative of the regional area. Refer to Table 2 for the Site hydrogeology characteristics based on shallow groundwater monitoring observations.

Table 2: Site Hydrogeology Characteristics

Aquifer	Location	Observation *September 10, 2024
Overburden Aquifer	Depth to Groundwater	0.66 and 2.94 m bgs
	Groundwater Elevation	99.39 and 103.96 m asl
	Horizontal Hydraulic Gradient	0.003 m/m (between MW103 and MW133) 0.010 m/m (between MW103 and MW155) 0.003 m/m (between MW103 and MW126)
Shallow Bedrock Aquifer	Depth to Groundwater	1.26 and 4.07 m bgs
	Groundwater Elevation	98.70 and 103.62 m asl
	Horizontal Hydraulic Gradient	0.0001 m/m (between MW132D and MW324) 0.009 m/m (between MW132D and MW150D) 0.004 m/m (between MW132D and MW108)
Deep Bedrock Aquifer	Depth to Groundwater	4.43 and 11.22 m bgs
	Groundwater Elevation	93.24 and 101.33 m asl

Aquifer	Location	Observation *September 10, 2024
	Horizontal Hydraulic Gradient	0.011 m/m (between MW333 and MW339) 0.023 m/m (between MW333 and MW337) 0.023 m/m (between MW333 and MW308D)

Evidence of non-measurable non-aqueous phase liquids (NAPL) was observed in the purge water and on the oil-water interface meter during groundwater monitoring, purging and sampling activities at two (2) locations (MW119A and MW207A); in addition, a sheen and strong PHC odour were noted at these locations.

It is noted that at several monitoring wells, groundwater was noted to be above the monitoring well screened interval. The well screens were installed based on observations in the field (i.e. the presence of moisture in the soils/bedrock), at similar to intervals to previously installed locations, or based on the original scope of the investigation (typically the locations installed during previous investigations). It is the QP_{ESAs} opinion, that while the water is above the well screen at several locations, has not impacted the concentrations given the presence of VOCs across the Site in the monitoring wells installed.

2.4 Considerations with Respect to Section 35, 41 or 43.1 of Regulation

The Site Sensitivity classification with respect to the conditions set out under Section 35, Section 41 and 43.1 of O.Reg.153/04 were evaluated to determine if the Site is sensitive, as presented in Table 3.

Table 3: Site Sensitivity

Sensitivity	Classification	Applicable Yes, or No?
Section 35 applies if	(i) The full depth generic site condition standards in a non-potable groundwater condition	No
	(ii) The stratified site condition standards in a non-potable groundwater condition	No
	(iii) The property, and all other properties located, in whole or in part, within 250 metres of the boundaries of the property, are supplied by a municipal drinking water system	Yes
	(iv) The record of site condition does not specify agricultural or other use as the type of property use	Yes
	(v) The property is located in an area designated in the municipal official plan as a well-head protection area or other designation identified by the municipality for the protection of groundwater	Yes
	(vi) The property or one of the properties in the phase one study area has a well used or intended for use as a source of water for human consumption or agriculture	No
	(vii) A person authorized by the owner of a property has given the clerk of the municipality a written notice of intention to apply the standards in preparing a record of site condition for the property; A. the two-tier municipality (Halton Region) has given written notice that it objects to the application of the standards	No
Section 41 applies if	(i) property is within an area of natural significance	No
	(ii) property includes or is adjacent to an area of natural significance or part of such an area	No
	(iii) property includes land that is within 30 m of an area of natural significance or part of such an area	No

Sensitivity	Classification	Applicable Yes, or No?
	(iv) soil at property has a pH value for surface soil less than 5 or greater than 9 *It is noted that at the time of the preparation of this CSM, that the pH value for surface soil at two (2)_ locations was greater than 9; however, remedial activities will be undertaken prior to RSC filing.*	Yes
	(v) soil at property has a pH value for sub-surface soil less than 5 or greater than 11	No
	(vi) a qualified person is of the opinion that, given the characteristics of the property and the certifications the qualified person would be required to make in a record of site condition in relation to the property as specified in Schedule A, it is appropriate to apply this section to the property	No
Section 43.1 applies if	(i) property is a shallow soil property	No
	(ii) property includes all or part of a water body or is adjacent to a water body or includes land that is within 30 m of a water body (Morrison Creek)	No

Shallow Groundwater Considerations

Per Section 2.3, the minimum depth to the groundwater table was noted to be 0.31 m bgs. This depth is not consistent with the assumptions applied by the MECP in the evaluation of the indoor air vapour intrusion pathway using the Johnson and Ettinger (J&E, 1991) approach under the Table 2 SCS. As such, volatile parameters in groundwater were conservatively compared to the Table 6 Generic SCS for Shallow Soils in a Potable Ground Water Condition. All volatile parameters in groundwater were within the Table 6 SCS, with the exception of 1,2-dichloroethane, 1,1-dichloroethylene and 1,1,2-trichloroethane. Consideration of these parameters to be carried forward as COCs for the risk assessment, intended to be conducted for the Site, is provided in Section 3.1.2.

2.5 Areas on, in or under the Phase Two Property where Excess Soil is Finally Placed

Fill material is typically brought to a property as a base for buildings and pavement areas. Fill can also be used to re-grade a property, and to backfill excavations.

Based on Site visit observations, interviews and review of historic aerial photographs, five (5) areas of stockpiled materials of known quality were present throughout the southern portion of the Site. Based on the "Soil Stockpile Characterization Report" (Arcadis 2021), there were exceedances of electrical conductivity (EC), sodium adsorption ratio (SAR), cobalt, lead, molybdenum, and fluoranthene when EXP compared the results to Table 2 criteria.

A large berm was observed at the southeast corner of the Site; however, the origin and the quality and quantity of the berm is unknown.

According to previous reports (refer to Table G-1), fill materials were encountered in all the boreholes across the Site. Fill generally extended to depths of 0.8 to 3.1 m bgs. Fill material generally consisted of reworked native materials such as, silty clay, silty sand, sand, or sand and gravel, and traces of deleterious materials (rootlets/organics or asphalt).

No fill materials have been brought to the Site during the Phase Two ESA.

2.6 Current and Proposed Land Use

The Site is currently vacant land, with preparation occurring for the interim storage facility. It is understood that the Site is intended to be developed as mixed-use Commercial/Residential and Parkland. Based on conceptual drawings, it is EXP's

understanding that the Client intends to redevelop the Site to include a network of roads and three (3) mixed-use high-rise building blocks (residential and/or commercial) in the northeast, northwest and southeast portions of the Site. Each building block is anticipated to have three (3) to four (4) levels of underground parking. An at-grade park is also proposed in the southwest portion of the Site. However, development plans have not yet been finalized.

3 Appropriate Standards Selection for Identification of Areas of Contamination

For assessment purposes, EXP selected the MECP Table 2: Full depth Background Site condition Standards in a Potable Ground Water Condition for Residential/Parkland/Institutional (RPI) Property Use and medium-fine textured soil (Table 2 SCS) was considered applicable for determining contaminants of concern (COCs), based on the rationale presented in Table 5.

Table 5: Site Specific Condition

Description	Site Specific Condition
Section 35 Site Sensitivity	Not applicable • The full depth generic site condition standards in a non-potable groundwater condition. • The property, and all other properties located, in whole or in part, within 250 metres of the boundaries of the property, are supplied by a municipal drinking water system. • The Site is not proposed for agricultural or other property use for filing RSC. • The Site was not located within a wellhead protection area. • No well within the Phase One Study Area is used as a source of water for human consumption or agriculture. • A person authorized by the owner of a property has given the clerk of the municipality a written notice of intention to apply the non-portable ground water standards. The two-tier municipality (Halton Region) has given written notice that it objects to the application of the standards.
Section 41 Site Sensitivity	Applicable • The soil at the Site has pH values between 5 and 9 for surficial soil; and, between 5 and 11 for subsurface soil. • *It is noted that at the time of the preparation of this CSM, that the pH value for surface soil at two (2) locations was greater than 9; however, remedial activities will be undertaken prior to RSC filing.* The Site is not located within a Significant Area, and/or located adjacent to an area of natural significance/an environmentally sensitive area.
Section 43.1 Site Sensitivity	Not applicable • The Site is not considered a shallow soil property, based on the recovered soil cores, which indicated that more than two-thirds of the Site has an overburden thickness in excess of 2 m. • The Site is not located within 30 m of a surface water body; the nearest surface water body, Morrison Creek; is located approximately 60 m east and 300 m south of the Site.
Ground Water	Non-Potable • The Site and surrounding properties within 250 m of the Site are supplied by a municipal drinking water system, and no potable water wells are located on the Site or within 250 m of the Site.
Land Use	Residential • The proposed future use of the Site is for Mixed-use Commercial/Residential and Parkland.

Description	Site Specific Condition
Soil Texture	Fine textured • The predominant texture of soils at the Site is considered to be medium to fine textured based on grain size analysis completed for the Site during previous investigations (AECOM, 2014).

3.1 Areas Where a Contaminant is Present

A chemical constituent was selected as a COC if it was detected in soil or groundwater obtained from the Site at a concentration in excess of the applicable Table 2 SCS. Soil and groundwater conditions at the Site were evaluated through reliable data from previous investigations in addition to the Phase Two ESA completed by EXP. A summary of the assessment of APECs is presented in Table 6 below:

Table 6: Summary of APECs and Samples Collected

APEC	Location of APEC on Phase Two Property	PCA[1]	Location of PCA	COPC and Media Affected	Phase Two Assessments
1A	Entire Site	PCA #30 – Importation of Fill Material of Unknown Quality.	On-Site	**Soil** PHCs, BTEX, PAHs, Metals, HFMs, HWS-B, CrVI, CN-, Hg	**Soil** All sampling locations
1B		PCA 'Other' - Salt Application.		**Soil** EC, SAR	**Soil** All sampling locations
1C		PCA 'Other' – Elevated Soil Exceedances.		**Soil** PHCs, BTEX, VOCs, PAHs, Metals, HFMs, HWS-B, CrVI, CN-, Hg, pH, MeHg	**Soil** All sampling locations
1D		PCA 'Other' – Elevated Groundwater Exceedances.		**Groundwater** PHCs, BTEX, VOCs, PAHs, Metals, HFMs	**Groundwater** All sampling locations
1E		PCA 'Other' – Lamp/Light Manufacturing.		**Soil** PHCs, BTEX, VOCs, PAHs, Metals, HFMs, HWS-B, CrVI, CN-, Hg, pH **Groundwater** PHCs, BTEX, VOCs, PAHs, Metals, HFMs, CrVI, Hg	**Soil** All sampling locations
1F		PCA 'Other' – Registered Generator of Hazardous Wastes.		**Soil** PHCs, BTEX, VOCs, PCBs **Groundwater** PHCs, BTEX, VOCs, PCBs	**Soil** All sampling locations
1G		PCA 'Other' – Spill of Petroleum or Associated Products.		**Soil** PHCs, BTEX	**Soil** All sampling locations
2	South-central portion of the Site	PCA#46 – Rail Yards, Tracks and Spurs.	On-Site	**Soil** PHCs, BTEX, PAHs, Metals, HFMs, HWS-B, CrVI, CN-, Hg7	**Soil** BH135, BH136, BH137, BH222, TP109, TP110, MW110D, MW123

APEC	Location of APEC on Phase Two Property	PCA[1]	Location of PCA	COPC and Media Affected	Phase Two Assessments
3A to 3B	North-central portion of the Site	PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks.	On-Site	**Soil** PHCs, BTEX, Metals, HFM **Groundwater** PHCs, BTEX, Metals, HFM	**Soil** BH122, BH/MW119A, MW119D **Groundwater** MW119A
3C				**Soil** PHCs, BTEX, Metals, HFM **Groundwater** PHCs, BTEX, Metals, HFM	**Soil** BH120, MW102
3D		PCA 'Other' – Acid Storage Tank.		**Soil** Metals, HFM, pH **Groundwater** Metals, HFM	**Soil** MW130
3E		PCA 'Other' – Production Underground Storage Tank.		**Soil** PHCs, BTEX, Metals, HFM **Groundwater** PHCs, BTEX, Metals, HFM	**Soil** BH141, MW103
4	West-central portion of the Site	PCA#55 – Transformer Manufacturing, Processing and Use.	On-Site	**Soil** PCBs, BTEX, PHCs **Groundwater** PCBs, BTEX, PHCs	**Soil** BH123, MW134 **Groundwater** MW151, MW305
5	South-central portion of the Site	PCA 'Other' – PCB Storage.	On-Site	**Soil** PCBs	**Soil** BH135, TP109, TP110, MW123

APEC	Location of APEC on Phase Two Property	PCA[1]	Location of PCA	COPC and Media Affected	Phase Two Assessments
6A	Northeast portion of the Site	PCA#52 – Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems.	On-Site	**Soil** PHCs, BTEX, Metals, HFM **Groundwater** PHCs, BTEX, Metals, HFM	**Soil** BH125, BH126, BH127, BH128, BH129, BH130, BH131, BH132, BH133, BH134, BH206, TP127, TP128, MW114, MW120, MW126, MW127, MW128, MW137, MW207 **Groundwater** MW1, MW120, MW126, MW127, MW137, MW207A, MW302
6B to 6D		PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks.		**Soil** PHCs, BTEX, Metals, HFM **Groundwater** PHCs, BTEX, Metals, HFM	**Soil** MW117
6E				**Soil** PHCs, BTEX, Metals, HFM **Groundwater** PHCs, BTEX, Metals, HFM	**Soil** BH127, MW127 **Groundwater** MW127
6F		PCA#40 – Pesticides (including herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications.		**Soil** OCPs	**Soil** BH403, MW301

APEC	Location of APEC on Phase Two Property	PCA[1]	Location of PCA	COPC and Media Affected	Phase Two Assessments
7	West portion of the Site	PCA#19 – Electronic and Computer Equipment Manufacturing. PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks. PCA#39 – Paints Manufacturing, Processing and Bulk Storage. PCA#43 – Plastics (including Fibreglass) Manufacturing and Processing. PCA#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners. PCA 'Other' – Registered Generator of Hazardous Wastes. PCA 'Other' – Contaminated Site. PCA 'Other' – Spill of Hazardous Liquids.	Off-Site	**Groundwater** PHCs, BTEX, VOCs, Metals, HFMs	**Groundwater** MW112, MW113, MW122, MW133, MW133A, MW139, MW151, MW304, MW305, MW311, MW317, MW324
8	East portion of the Site	PCA #33 – Metal Treatment, Coating, Plating and Finishing. PCA#34 – Metal Fabrication. PCA#43 – Plastics (including Fibreglass) Manufacturing and Processing. PCA#54 – Textile Manufacturing and Processing. PCA#57 – Vehicles and Associated Parts Manufacturing. PCA 'Other' – Registered Generator of Hazardous Wastes.	Off-Site	**Groundwater** PHCs, BTEX, VOCs, Metals, HFMs	**Groundwater** MW1, MW126, MW127, MW207A, MW301

APEC	Location of APEC on Phase Two Property	PCA[1]	Location of PCA	COPC and Media Affected	Phase Two Assessments
9	North portion of the Site	PCA#10 – Commercial Autobody Shops. PCA#31 – Ink Manufacturing, Processing and Bulk Storage. PCA #33 – Metal Treatment, Coating, Plating and Finishing. PCA#34 – Metal Fabrication. PCA#40 – Pesticides (including herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications. PCA#42 – Pharmaceutical Manufacturing and Processing. PCA#57 – Vehicles and Associated Parts Manufacturing. PCA 'Other' – Registered Generator of Hazardous Wastes. PCA 'Other' – Spill of Petroleum or Associated Products. PCA 'Other' – Other Manufacturing Operations.	Off-Site	**Soil** OCPs **Groundwater** PHCs, BTEX, VOCs, Metals, HFMs	**Soil** MW133A, MW340 **Groundwater** MW1, MW101, MW116, MW120, MW133, MW133A, MW340

3.1.1 Soil Quality

Soil samples were submitted for the analysis of one or more of the following:

- PHCs,
- BTEX,
- VOCs,
- Metals,
- HFMs,
- ORPs including: (HWS-B, CrVI, CN-, Hg),
- EC and SAR,
- pH,
- MeHg,
- PAHs,
- OCPs, and
- PCBs.

Based on the reported analytical results, the parameters that were detected at concentrations above the applicable Table 2 SCS are presented in Table 7 below:

Table 7: Concentrations Above the Table 2 SCS in Soil

Parameter	Maximum Concentration (µg/g)	Location of Maximum Concentration	Site Condition Standard (µg/g)	Maximum Concentration Above Applicable SCS?
PHCs and BTEX				
PHC F1	3500	BH114-1	65	Yes
PHC F1 - BTEX	3300	BH114-1	65	Yes
PHC F2	1300	TP138-1	150	Yes
PHC F3	7000	BH114-1	1300	Yes
PHC F4	20000	D1-0-0.2	5600	Yes
Toluene	220	BH114-1	6	Yes
VOCs				
1,1-Dichloroethylene	0.089	DUP-1 (Field Duplicate of MW201 S4)	0.05	Yes
1,1,2-Trichloroethane	0.44	DUP-1 (Field Duplicate of MW201 S4)	0.05	Yes
Trichloroethylene	19	BH110 SA2	0.52	Yes
Vinyl Chloride	0.3	MW148-S SA4B	0.022	Yes
PAHs				
Anthracene	6.3	TP110-1	0.74	Yes
Benzo(a)anthracene	21	TP110-1	0.63	Yes
Benzo(a)pyrene	16	TP110-1	0.3	Yes
Benzo(b/j)fluoranthene	27	TP110-1	0.78	Yes
Benzo(ghi)perylene	11	TP110-1	7.8	Yes
Benzo(k)fluoranthene	11	TP110-1	0.78	Yes
Chrysene	21	TP110-1	7.8	Yes
Dibenz(a,h)anthracene	2.5	TP110-1	0.1	Yes

Parameter	Maximum Concentration (µg/g)	Location of Maximum Concentration	Site Condition Standard (µg/g)	Maximum Concentration Above Applicable SCS?
Fluoranthene	61	TP110-1	0.69	Yes
Indeno(1,2,3-cd)pyrene	12	TP110-1	0.48	Yes
1-Methylnaphthalene	4.3	TP138-1	3.4	Yes
Phenanthrene	47	TP110-1	7.8	Yes
1&2-Methylnaphthalene	4.3	TP138-1	3.4	Yes
Metals				
Barium	1400	TP124-1	390	Yes
Cadmium	580	TP124-1	1	Yes
Copper	1300	DUP1 (Field Duplicate of BH119-SA2B)	180	Yes
Lead	8700	TP134-1	120	Yes
Molybdenum	260	MW107-1	7	Yes
Zinc	12000	TPAD-1 (Field Duplicate of TP104-1)	340	Yes
HFMs				
Antimony	560	TP124-1	8	Yes
ORPs				
Boron – Hot Water Soluble	25	TP123-1	1.5	Yes
Cyanide (Free)	0.31	BH218 S1	0.051	Yes
Mercury	210	BH111 SA1	1.8	Yes
Methyl Mercury	0.0875	BH114-1	0.0094	Yes
pH	12.2	BH222 S1	5-9 (surface soil); 5-11 (subsurface soil)	Yes

Analytical results of soil samples collected on the Site are presented in a plan view on Figures 7A to 17. Cross-sections are provided following each plan view.

The elevated EC and SAR in soil is likely associated with road salt application on the paved parking lot for road safety of vehicular or pedestrian traffic under conditions of snow or ice or both. In accordance with O.Reg. 153/04, s. 49.1 (1) and at the discretion of the Qualified Person, the elevated EC and SAR concentrations are deemed to meet the Table 2 SCS.

3.1.1.1 Averaging Programs

pH

The pH for surface soil samples ranged between 12.2 and 9.02 (from BH222 and BH102, respectively), which is above the SCS range of 5 to 9. EXP completed a pH averaging program at the Site. The averaging program was completed in 2024, following the MECP 2007 guidance.

At each of the location, where pH was elevated pH, was present, and following Section 48(2) and 48(4) of O.Reg. 153/04, soil results from locations within 2 m of the original sample location and same depth interval was completed.

The resulting pH ranged between 6.71 and 8.09 (BH211 and BH215, respectively), with the exception of the pH at BH117 and BH223 (11.28 and 11.30, respectively) which remained above the SCS range of 5 to 9. Soil at BH117 and BH223 will be excavated during remedial activities prior to the submission of the RSC.

Refer to Figure 14A and 14D and Table G-3 for the results of the pH averaging program.

Fluoranthene

An elevated concentration for fluoranthene was found at TP204 SS2. Per Section 48(2) and 48(4) of O.Reg. 153/04, averaging of soil results from locations within 2 m of the original sample location and same depth interval is permitted. The resulting fluoranthene was 0.57 µg/g at this location. Refer to Figure 9A and 9E for the results of the fluoranthene averaging program.

3.1.1.2 Data Validation

The laboratory Reporting Detection Limits (RDLs) were below the Table 2 SCS except as noted above. A review of these samples is presented in Table 8 below and indicated:

Table 8: Data Validation in Soil

Parameter Group	Parameter	Total No. of Samples	No. of Samples with RDL > Table 2 SCS	Rationale for Exclusion
VOCs	Bromomethane	292	2	Sampling was conducted during historical investigations as part of the VOC analysis. The remaining parameters in this group (VOCs), at this location were found to be non-detect. As this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.
VOCs	1,4-Dichlorobenzene	292	2	Sampling was conducted during historical investigations as part of the VOC analysis. The remaining parameters in this group (VOCs), at this location were found to be non-detect. As this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.
VOCs	1,2-Dichloroethane	292	2	Sampling was conducted during historical investigations as part of the VOC analysis. The remaining parameters in this group (VOCs), at this location were found to be non-detect. As this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.
VOCs	1,2-Dichloropropane	292	2	Sampling was conducted during historical investigations as part of the VOC analysis. The remaining parameters in this group (VOCs), at this location were found to be non-detect. As this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.
VOCs	Ethylene Dibromide (1,2-Dibromoethane)	292	2	Sampling was conducted during historical investigations as part of the VOC analysis. The remaining parameters in this group (VOCs), at this location were found to be non-detect. As this parameter is not suspected as a COC, this data was

Parameter Group	Parameter	Total No. of Samples	No. of Samples with RDL > Table 2 SCS	Rationale for Exclusion
				not included in the screening process for the selection of COCs.
VOCs	1,1,1,2-Tetrachloroethane	292	2	Sampling was conducted during historical investigations as part of the VOC analysis. The remaining parameters in this group (VOCs), at this location were found to be non-detect. As this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.
VOCs	1,1,2,2-Tetrachloroethane	292	4	Sampling was conducted during historical investigations as part of the VOC analysis. The remaining parameters in this group (VOCs), at this location were found to be non-detect. As this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.
VOCs	1,3-Dichloropropene	281	2	Sampling was conducted during historical investigations as part of the VOC analysis. The remaining parameters in this group (VOCs), at this location were found to be non-detect. As this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.

3.1.2 Groundwater Quality

Groundwater samples were submitted for the analysis of one or more of the following:

- PHCs,
- BTEX,
- VOCs,
- Metals,
- HFMs,
- ORPs including: (CrVI, Hg),
- MeHg,
- PAHs, and
- PCBs.

Based on the reported analytical results, the parameters that were detected at concentrations above the applicable Table 2 SCS are presented in Table 9 below:

Table 9: Concentrations Above the Table 2 SCS in Groundwater

Parameter	Maximum Concentration (µg/g)	Location of Maximum Concentration	Site Condition Standard (µg/g)	Maximum Concentration Above Applicable SCS?
PHCs and BTEX				
PHC F2	718	MW126	150	Yes
PHC F3	568	MW207A	500	Yes
Benzene	9.5	MW140	5	Yes
VOCs				
Cis-1,2-Dichloroethylene	910	MW110D	17	Yes
Trans-1,2-Dichloroethylene	19.6	MW312	0.75	Yes
Trichloroethylene	290	MW131	5.0	Yes
Vinyl Chloride	260	Duplicate of MW140	1.7	Yes
PAHs				
1&2-Methylnaphthalene	119	MW126	3.2	Yes
Acenaphthene	4.67	MW126	4.1	Yes
Chrysene	0.11	MW129	0.1	Yes
Phenanthrene	3.78	MW126	1	Yes
Metals				
Cobalt	43.5	MW1266 (Field duplicate of MW126)	3.8	Yes
HFMs				
Selenium	20.2	MW2011 (Field duplicate of MW201)	10	Yes

Analytical results of groundwater samples collected on the Site are presented for groundwater in a plan view on Figures 18 to 25.

3.1.2.1 Resampling Program

Benzene

At MW154, two (2) additional sampling events were completed in October 2023 and June 2024 for Benzene. The samples met the Table 2 SCS. The elevated concentrations in the original sample (September 2023) were attributed to the presence of sediment in the original sample. At the discretion of the QP^{ESA}, the original sampling event was deemed to not be representative of the groundwater conditions at the Site. Therefore, the initial exceedance in MW154 is deemed to meet the applicable Table 2 SCS.

Selenium

At MW203, two (2) additional sampling events were completed in September 2023 and June 2024 for Selenium. The samples met the Table 2 SCS. The elevated concentrations in the original sample (July 2023) were attributed to the presence of sediment in the original sample. At the discretion of the QP^{ESA}, the original sampling event was deemed to not be representative of the groundwater conditions at the Site. Therefore, the initial exceedance in MW203 is deemed to meet the applicable Table 2 SCS.

Cis-1-2-Dichloroethylene, Trichloroethylene and Vinyl Chloride at MW125

At MW125, six (6) sampling events have occurred between two (2) consultants (EXP and Arcadis). The identified VOCs have been found to exceed the Table 2 SCS during one (1) event in either April 2023 or September 2023. The remaining five (5) events met the Table 2 SCS. At the discretion of the QP^{ESA}, the single elevated sampling event was deemed to not be

representative of the groundwater conditions at the Site. Therefore, the exceedance in MW125 is deemed to meet the applicable Table 2 SCS.

3.1.2.2 Shallow Groundwater Considerations

The shallow groundwater condition at the Site is not consistent with the assumptions applied by the MECP in the evaluation of the indoor air vapour intrusion pathway using the Johnson and Ettinger (J&E, 1991) approach under the Table 2 SCS. As such, PCOCs in groundwater that were considered sufficiently volatile (Henry's Law constants greater than 1.0E-05 atm-m^3/mol and/or a vapour pressure greater than 1 Torr (MECP, 2019)) were also screened against the Table 6 SCS (applicable to sites with shallow groundwater).

The following volatile groundwater parameters had maximum detected concentrations within the Table 2 SCS, but exceeded the Table 6 SCS (considered suitable for assessment of Sites with a shallow water table), and will also be carried forward as COCs in the RA:

- 1,2-Dichloroethane
- 1,1-Dichloroethylene
- 1,1,2-Trichloroethane

In addition, the following RDLs exceeded the Table 6 SCS, but will not need to be carried forward as COCs:

- Bromoform
- Carbon Tetrachloride
- 1,2-Dichloropropane
- Hexane
- Tetrachloroethylene

RDL exceedances of bromoform and hexane in groundwater were detected in one (1) location, in monitoring well MW110D on October 19, 2023. However, given that bromoform and hexane were never detected in any of the 146 other samples and that RDLs in historical samples from this location were below the Table 6 SCS (August 2022, April, and July 2023), bromoform and hexane were not considered COCs on-Site and were not retained for further evaluation in the RA.

RDL exceedances of carbon tetrachloride in groundwater were detected in six (6) locations, in monitoring wells MW110D on October 19, 2023, MW125 and MW150S on September 14, 2023, MW140 in April 2023, and MW319 and MW320 on October 20, 2023. Carbon tetrachloride was not considered a COC on-Site and was not retained for further evaluation in the RA based on the following:

- For the RDL exceedance at MW110D, it is noted that carbon tetrachloride was never detected in any of the 146 other samples and RDLs in historical samples from this location were below the Table 6 SCS (August 2022, April, and July 2023).
- The RDL concentrations from samples collected from MW125 and MW150S on September 14, 2023, were increased due to dilution of 2 from the laboratory (Certificate of Analysis #23H069763) and two (2) subsequent samples were collected from MW125 and MW150S in October 2023 and June 2024, which returned RDL concentrations below the Table 6 SCS.
- For the RDL exceedance at MW140, two (2) subsequent samples were collected from MW140 on September and October 2023, which returned RDL concentrations below the Table 6 SCS.
- The RDL concentrations from samples collected from MW319 and MW320 on October 20, 2023, were increased due to dilution of 2 from the laboratory (Certificate of Analysis #23H083947).

RDL exceedances of 1,2-dichloropropane in groundwater were detected in two (2) locations, in monitoring wells MW110D on October 19, 2023, and MW140 in April 2023. While detectable concentrations of 1,2-dichloropropane were identified at MW140 between August 2022 and October 2023, detectable concentrations were below the Table 6 SCS. For the RDL exceedance at MW110D, it is noted that RDLs in historical samples from this location were below the Table 6 SCS (August 2022, April, and July 2023). For the RDL exceedance at MW140, two (2) subsequent samples were collected from MW140 on September and October 2023, which returned RDL concentrations below the Table 6 SCS. As such, 1,2-dichloropropane was not considered a COC on-Site and was not retained for further evaluation in the RA.

RDL exceedances of tetrachloroethylene in groundwater were detected in two (2) locations, in monitoring wells MW110D on October 19, 2023, and MW140 in April 2023. For the RDL exceedance at MW110D, it is noted that tetrachloroethylene was never detected in any of the 146 other samples and RDLs in historical samples from this location were below the Table 6 SCS (August 2022, April, and July 2023). For the RDL exceedance at MW140, two (2) subsequent samples were collected from MW140 on September and October 2023, which returned RDL concentrations below the Table 6 SCS. As such, tetrachloroethylene was not considered a COC on-Site and was not retained for further evaluation in the RA.

3.1.2.3 Data Validation

The laboratory RDLs were below the Table 2 SCS except as noted above. A review of these samples is presented in Table 10 below and indicated:

Table 10: Data Validation in Groundwater

Parameter Group	Parameter	Total No. of Samples	No. of Samples with RDL > Table 2 SCS	Rationale for Exclusion
VOCs	Bromomethane	146	3	Based on the review of the analytical results 2.1 % of samples were found to have an RDL which was found to exceed the Table 2 SCS. It is the QP_{ESA} opinion that this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.
VOCs	1,2-Dichlorobenzene	146	2	Based on the review of the analytical results 1.4 % of samples were found to have an RDL which was found to exceed the Table 2 SCS. It is the QP_{ESA} opinion that this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.
VOCs	1,4-Dichlorobenzene	146	3	Based on the review of the analytical results 2.1 % of samples were found to have an RDL which was found to exceed the Table 2 SCS. It is the QP_{ESA} opinion that this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.
VOCs	Ethylene Dibromide (1,2-Dibromoethane)	146	3	Based on the review of the analytical results 2.1 % of samples were found to have an RDL which was found to exceed the Table 2 SCS. It is the QP_{ESA} opinion that this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.

Parameter Group	Parameter	Total No. of Samples	No. of Samples with RDL > Table 2 SCS	Rationale for Exclusion
VOCs	1,1,1,2-Tetrachloroethane	146	3	Based on the review of the analytical results 2.1 % of samples were found to have an RDL which was found to exceed the Table 2 SCS. It is the QP_{ESA} opinion that this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.
VOCs	1,1,2,2-Tetrachloroethane	146	3	Based on the review of the analytical results 2.1 % of samples were found to have an RDL which was found to exceed the Table 2 SCS. It is the QP_{ESA} opinion that this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.
VOCs	1,3-Dichloropropene	146	3	Based on the review of the analytical results 2.1 % of samples were found to have an RDL which was found to exceed the Table 2 SCS. It is the QP_{ESA} opinion that this parameter is not suspected as a COC, this data was not included in the screening process for the selection of COCs.

3.1.2.4 Data Removal Program

Prior to the current Phase Two ESA investigation, multiple subsurface investigations occurred at the Site between 2013 and 2015 (refer to Table G-1). EXP evaluated the data contained in the previous reports for use during this Phase Two ESA. Groundwater concentrations older than 9 years from the commencement of the Phase Two ESA activities were considered not representative of current conditions. Therefore, historical groundwater data from 2013 and 2015 were not considered representative of current Site conditions and this data is considered to be not reliable for RSC purposes. Additional groundwater sampling was conducted across the Site as part of the current investigation, including areas where historical groundwater exceedances were reported. The soil data from the corresponding investigations are considered valid for RSC purposes.

3.2 Contaminants Associated with Area of Impact

3.2.1 Soil Media

The soil COCs noted at the Site during the current investigation included:

- PHCs: PHC F1, PHC F2, PHC F3, and PHC F4;
- BTEX: Toluene;
- VOCs: 1,1-Dichloroethylene, 1,1,2-Trichloroethane, Trichloroethylene, and Vinyl Chloride;
- Metals: Barium, Cadmium, Copper, Lead, Molybdenum, and Zinc;
- HFMs: Antimony;
- ORPs: Boron – Hot Water Soluble, Cyanide (Free), Mercury, Methyl Mercury, and pH; and,
- PAHs: Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b/j)fluoranthene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, 1-Methylnaphthalene, Phenanthrene, and 1&2-Methylnaphthalene.

The sources of the PHCs, BTEX, VOCs, Metals, Hydride-Forming Metals, ORPs (HWS-B, CN-, Hg, MeHg, pH), and PAHs in soil are likely associated with poor quality fill material and the historical operations that occurred on-Site.

3.2.2 Delineation of Soil Impacts

Samples collected on the Site that meet or exceed the Table 2 SCS are shown in plan view on Figure 7A through Figure 17 for soil. Details of the delineation, source and distribution of all impacts are summarized in Table 11 below.

Table 11: Delineation of Soil Impacts

Parameter Group	Horizontal Delineation	Associated Figures	Vertical Delineation
PHCs and BTEX	PHCs and BTEX were noted in overburden soils on the southwest and northeast portion of the Site. • Horizontal delineation was achieved at property boundaries. PHCs were noted in the weathered shale at MW119A. Sampling was completed during historical investigations. • Horizontal delineation was achieved at the competent bedrock interface.	7A to 7E	Impacts were noted between the surface and 2.4 m bgs on the northeast portion of the Site (BH134, D1, TP138, and MW207). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between 0.1 and 2.15 m bgs on the southwest portion of the Site (BH114 and TP122). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between 3.81 and 4.57 m bgs (MW119A). • Vertical delineation was achieved at the bedrock interface.
VOCs	VOCs were noted in overburden soils on the southwest, southeast and northeast portion of the Site. • Horizontal delineation was achieved at property boundaries.	8A to 8E	Impacts were noted between 1.52 and 3.45 m bgs on the northeast portion of the Site (BH105, BH110, BH111, BH119, and MW131). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between 1.52 and 2.74 m bgs on the southwest portion of the Site (BH114, MW148S, and MW201). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between 0.4 and 0.95 m bgs on the southeast portion of the Site (TP107). • Vertical delineation was achieved at the bedrock interface.
PAHs	PAHs were noted in overburden soils throughout the Site. • Horizontal delineation was achieved at property boundaries.	9A to 9E	Impacts were noted between 2.29 and 2.53 m bgs on the northwest portion of the Site (MW145). • Vertical delineation was achieved at the bedrock interface.

Parameter Group	Horizontal Delineation	Associated Figures	Vertical Delineation
			Impacts were noted between the surface and 1.1 m bgs on the northeast portion of the Site (D1, D2, TP103, and MW107). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between the surface and 1.75 m bgs on the southwest portion of the Site (BH115, BH135, TP109, TP110, TP121, TP122, MW114, and MW134). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between the surface and 1.75 m bgs on the southeast portion of the Site (BH117, D3, D5, TP101, TP107, TP111, and MW138). • Vertical delineation was achieved at the bedrock interface.
Metals	Metals were noted in overburden soils throughout the Site. • Horizontal delineation was achieved at property boundaries.	10A to 10E	Impacts were noted between 0.05 and 2.4 m bgs on the northwest portion of the Site (various locations). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between the surface and 3.45 m bgs on the northeast portion of the Site (various locations). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between the surface and 4.57 m bgs on the southwest portion of the Site (various locations). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between the surface and 2.93 m bgs on the southeast portion of the Site (various locations). • Vertical delineation was achieved at the bedrock interface.
HFMs	HFMs were noted in overburden soils throughout the Site. • Horizontal delineation was achieved at property boundaries.	11A to 11E	Impacts were noted between 2.3 and 2.4 m bgs on the northwest portion of the Site (TP131). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between the surface and 1.1 m bgs on the northeast portion of the Site (BH218, D1, and TP103).

Parameter Group	Horizontal Delineation	Associated Figures	Vertical Delineation
			• Vertical delineation was achieved at the bedrock interface. Impacts were noted between the surface and 0.85 m bgs on the southwest portion of the Site (BH114 and TP124). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between the surface and 0.5 m bgs on the southeast portion of the Site (TP102). • Vertical delineation was achieved at the bedrock interface.
ORPs	Boron – Hot Water Soluble, Cyanide (Free), and Mercury were noted in overburden soils throughout the Site. • Horizontal delineation was achieved at property boundaries.	12A to 12E	Impacts were noted between 0.2 and 1.1 m bgs on the northwest portion of the Site (BH212, TP129, and TP131). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between the surface and 2.72 m bgs on the northeast portion of the Site (BH111, BH140, BH217, BH218, D1, D2, TP103, MW101, and MW102). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between the surface and 4.02 m bgs on the southwest portion of the Site (various locations). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between the surface and 1.75 m bgs on the southeast portion of the Site (BH219, D5, TP101, and TP113). • Vertical delineation was achieved at the bedrock interface.
	Methyl Mercury was noted in shallow soils at BH114, BH218, BH219 and D2. • Horizontal delineation was achieved at BH114, with BH114-N, BH114-E, BH114-S, and TP119. • Horizontal delineation was achieved at BH218, BH219 and D2, with BH331, TP102, BH330, MW107, BH142.	15	Impacts were noted between the 0.61 and 0.85 m bgs on the southwest portion of the Site (BH114). • Vertical delineation was achieved at the bedrock interface. Impacts were noted between the surface and 0.8 m bgs on the southeast portion of the Site (BH218, BH219 and D2). • Vertical delineation was achieved at various locations including BH142A, BH140, BH331, MW138, TP101, TP102, BH330, and BH108A.

3.2.3 Groundwater Media

The groundwater COCs noted at the Site during the current investigation included:

- PHCs: PHC F2, and PHC F3;
- BTEX: Benzene;
- VOCs: Cis-1,2-Dichloroethylene, Trans-1,2-Dichloroethylene, Trichloroethylene, and Vinyl Chloride;
- Metals: Cobalt;
- HFMs: Selenium; and,
- PAHs: Acenaphthene, Chrysene, Phenanthrene, and 1&2-Methylnaphthalene.

The sources of the PHCs, BTEX, VOCs, Metals, Hydride-Forming Metals, and PAHs in groundwater are likely associated with the historical operations that occurred on-Site.

3.2.4 Delineation of Groundwater Impacts

Samples collected on the Site that meet or exceed the Table 2 SCS are shown in plan view on Figure 7A through Figure 17 for groundwater. Details of the delineation, source and distribution of all impacts are summarized in Table 12 below.

Table 12: Delineation of Groundwater Impacts

Parameter Group	Horizontal Delineation	Associated Figures	Vertical Delineation
PHCs and BTEX	PHC F2 was noted in one (1) overburden well (MW126) on the northeast portion of the Site. • Horizontal delineation was achieved by the east boundary, MW301, MW137, MW129, and MW127. PHC F2 and PHC F3 was noted in one (1) shale well (MW207A) on the northeast portion of the Site. • Horizontal delineation was achieved by the east boundary, MW1, MW116, MW315, MW319, and MW2. Benzene was noted in one (1) overburden well (MW140) on the southwest portion of the Site. • Horizontal delineation was achieved by the MW152, MW150S, MW153, MW154, MW146, and MW306.	18	Impacts were noted between 1.37 and 2.9 m (MW126) and 3.81 and 5.33 m (MW207A) on the northeast portion of the Site. • Vertical delineation was achieved at MW126 by multiple locations including MW1 (3.51-5.00 m), MW313 (2.13-3.51 m) and MW302 (3.96-7.01 m). • Vertical delineation was achieved at MW207A at deeper bedrock locations MW119D (5.84-7.37 m) and MW123 (5.64-7.16 m). Impacts were noted between 1.17 to 2.69 m bgs on the southwest portion of the Site (MW140). • Vertical delineation was achieved at MW140 by multiple locations including MW150D (4.88-6.4 m) and MW329 (4.88-6.4 m).
VOCs	VOCs were noted in nine (9) overburden wells (MW129, MW131, MW142, MW312, MW125, MW150S, MW140, MW308S, and MW306) throughout the Site.	19A to 19E	Impacts were noted between 0.76 and 7.01 m bgs throughout the Site (overburden and shale wells). • Vertical delineation was achieved at thirteen (10) deep wells screened at 10.05 to 13.1 m bgs (MW308D, MW320D, MW332D,

Parameter Group	Horizontal Delineation	Associated Figures	Vertical Delineation
	• Horizontal delineation was achieved by the northern and southern boundary, MW145, MW139, MW151, MW323, MW328, and MW137. VOCs were noted in eighteen (17) shale wells (MW104, MW111, MW112, MW314, MW315, MW316, MW317, MW319, MW324, MW130, MW107, MW320, MW148D, MW325, MW311, MW329, MW150D, and MW308I) throughout the Site. • Horizontal delineation was achieved by the MW4, MW305, MW304, MW133A, MW340, MW101, MW116, MW302, MW2, MW108, MW123, the southwestern boundary, and the southern boundary.		MW333, MW334, MW335, MW336, MW337, MW338, and MW339) and three (3) deep wells screened at 17.1 to 20.1 m bgs (MW201, MW203, and MW204).
PAHs	PAHs were noted in two (2) overburden wells (MW126 and MW129) on the northeast portion of the Site. • Horizontal delineation was achieved by the north and east boundary, MW301, MW137, and MW131. PAHs were noted in one (1) shale well (MW207A) on the northeast portion of the Site. • Horizontal delineation was achieved by the east boundary, MW1, MW119A, MW130, MW107, and the south boundary. An additional location is planned south of MW126.	20	Impacts were noted between 1.27 and 2.9 m bgs (MW129), 1.37 and 2.9 m bgs (MW126) and 3.81 and 5.33 m bgs (MW207A) on the northeast portion of the Site. • Vertical delineation was achieved at MW129 at nearly by location MW130 (4.11-5.64 m). It is noted that EXP is in the process of a resampling MW129. • Vertical delineation was achieved at MW126 at MW130 (4.11-5.64 m) and MW107 (3.50-5.03 m). • Vertical delineation was not achieved at MW207A. It is noted that deeper monitoring wells are located at the Site, which are in the process of being sampled for PAHs.
Metals	Cobalt was noted in four (4) overburden wells, MW126, and MW131 on the northeast portion of the Site, and MW153 and MW154 on the southwest portion of the Site. • Horizontal delineation for the northeast portion was achieved by the north and east boundary, MW332S, MW137, MW142, and MW301.	21	Impacts were noted between 1.22 and 2.4 m bgs on the northeast portion of the Site (MW126 and MW131). • Vertical delineation was achieved at MW126 by MW207A (3.81 to 5.33 m). • Vertical delineation was achieved at MW131 by MW142 (1.37-2.98 m) and by MW107 (3.50-5.03 m). Impacts were noted between the 0.91 and 2.44 m bgs on the southwest portion of the Site (MW153 and MW154).

Parameter Group	Horizontal Delineation	Associated Figures	Vertical Delineation
	• Horizontal delineation for the southwest portion was achieved by the south boundary, MW155, MW306, MW307, MW152, MW125, and MW141.		• Vertical delineation was achieved at MW327 (3.66-5.18 m) and MW150D (4.88-6.40 m). *It is noted that EXP is in the process of a resampling program involving all monitoring well with exceedances.*
HFMs	Selenium was noted in one (1) bedrock well (MW201) on the southwest portion of the Site. • Horizontal delineation was not achieved; EXP is in the process of a resampling this monitoring well.	22	Impacts were noted between 17.1 and 20.1 m bgs on the southwest portion of the Site (MW201). • Vertical delineation was not achieved; EXP is in the process of a resampling this monitoring well.

3.3 Medium Associated with Area of Impact

Impacts were identified in soil and groundwater. No sediment was present at the Site.

3.4 Description about What is Known about Area of Impact

The Phase Two ESA identified PHC, BTEX, VOC, Metal, HFM, ORPs (HWS-B, CN-, Hg, MeHg, pH), and PAH impacts in soil are likely associated with poor quality fill material and the historical operations that occurred on-Site.

The PHC, BTEX, VOC, Metal, HFM, and PAH impacts in groundwater are likely associated with the historical operations that occurred on-Site.

3.5 Distribution of Contaminant Impacts

PHCs, BTEX, VOCs, Metals, HFMs, ORPs (HWS-B, CN-, Hg, MeHg, pH), and PAHs were found to be elevated above the Table 2 SCS at various locations across the Site at depths ranging from 0 m bgs to 4.57 m bgs.

PHCs, BTEX, VOCs, Metal, HFMs, and PAHs in groundwater were found to be elevated above the Table 2 SCS various locations across the Site at screen depths ranging from 0.76 to 7.01 m bgs.

No other soil or groundwater COCs were measured to exceed the SCS for any other parameters. The locations where samples were collected and analyzed for each parameter group are shown in plan view on Figures 7A to 17 for soil parameters, Figures 18 to 25 for groundwater parameters. The plan view figures are followed by cross-sections A through D where applicable.

3.6 Reasons for Discharge of Contaminant Impacts

The presence of PHCs, BTEX, VOCs, Metals, HFMs, ORPs (HWS-B, CN-, Hg, MeHg, pH), and PAHs in soil likely associated with poor quality fill material and the historical operations that occurred on-Site.

The presences of PHCs, BTEX, VOCs, Metal, HFMs, and PAHs in groundwater are likely associated with the historical operations that occurred on-Site.

3.7 Migration of Contaminants from APECs, Identification of Preferential Pathways, if Any

The preferential pathways for contaminants present in soil and groundwater media, include various underground utilities, building footings and subsurface features.

Underground utilities were formerly identified, building footings are present at the Site. As such, there is a potential for underground utilities and building footings to affect the distribution and transport of soil vapour contaminants located on the Site. It is noted that that no enclosed buildings are currently present on the Site.

Details on the preferential pathways for the impacts are summarized in Table 13.

Table 13: Preferential Pathways

Anything known about migration of the contaminants present on, in or under the Phase Two property at a concentration greater than the applicable site condition standard away from any area of potential environmental concern, including the identification of any preferential pathways.	Current (former) utilities may affect groundwater and soil vapour migration. Future utilities may affect groundwater and soil vapour migration. Future/current building footings may affect groundwater and soil vapour and migration.

3.8 Influence of Climatic or Meteorological Conditions

It is noted that climatic or meteorological conditions may influence the distribution and migration of COCs at the Site. Seasonal fluctuations in groundwater due to cyclical increases and decreases in precipitation can affect groundwater recharge. Groundwater levels may be elevated in the spring and fall due to snow melt and/or increases in precipitation; and, groundwater levels may be lowered in the winter and summer due to snow storage and/or increased evaporation. Such fluctuations can increase the vertical distribution of COCs in the capillary zone, as well as alter the direction of groundwater flow paths based on changes in infiltration rates. However, based on the conditions observed at the Site, it is not anticipated that the climatic or meteorological changes will result in significant alterations in the distribution of contaminants.

Details on the climatic or meteorological conditions are summarized below in Table 14:

Table 14: Climatic or Meteorological Conditions

Climatic or meteorological conditions that may have influenced distribution and migration of the contaminants, such as temporal fluctuations in ground water levels, and;	Seasonal groundwater fluctuations are expected at the Site.

3.9 Soil Vapour Migration

The volatile parameters (select PHCs, BTEX, VOCs, Cyanide, Mercury, Methyl Mercury and select PAHs) in soil and/or may be present under current building footprints and future buildings constructed on-site and may present a risk to receptors via vapour intrusion. It is noted that there are currently no enclosed buildings at the Site.

4 Exposure Pathways

4.1 Human Health Receptors and Exposure Pathways

The selection of human receptors is based on the future mixed residential/commercial/parkland uses of the Site. Therefore, the receptors chosen for analysis are those standard receptors found at residential/parkland properties (which is a more conservative scenario than commercial) and includes: property residents (all ages), property visitors (recreational/trespassers [child and adult]). Furthermore, as the Site may also be used for commercial property use, the long-term indoor worker and long-term outdoor worker (e.g., maintenance workers) are also considered possible receptors. Subsurface workers (e.g., construction/utility workers may also be present during redevelopment of the Site and as such, are also considered.

Based on the COCs identified at the Site, possible routes of exposure for human receptors include the following:

- Direct exposure to soil COCs through dermal contact and incidental soil ingestion for the property resident, visitors (recreational and trespasser), long-term outdoor worker and subsurface worker;
- Direct exposure to soil COCs through inhalation of soil/dust particles blown off-Site during high intensity soil works/development for property residents, visitors (recreational and trespassers), long-term outdoor workers, and subsurface workers;
- Direct exposure to groundwater (potable) through dermal contact and intentional ingestion by property residents and visitors (recreational and trespassers);
- Direct exposure to groundwater through dermal contact and incidental ingestion while working in a trench for the subsurface worker;
- Inhalation of volatile COCs released to indoor air from soil and groundwater for property residents, visitors (recreational and trespasser), and long-term indoor workers;
- Inhalation of volatile COCs released to outdoor air from soil and groundwater for property residents, visitors (recreational and trespassers), and long-term outdoor workers;
- Inhalation of volatile COCs released to outdoor air (ground level) and trench air for the subsurface worker;
- Vapour skin contact for the property resident, visitor, trespasser, indoor worker, long-term outdoor worker, and subsurface worker;
- Indirect exposure to soil and groundwater COCs via ingestion of garden produce for residents and visitors (recreational and trespassers).

It is noted that noted that HWS-B is a parameters of ecological significance only for assessing phytotoxicity, and therefore, are not considered in the human health conceptual site model (HHCSM).

Off-site human receptors consist of the same receptors found on-Site. Possible routes of exposure for off-Site human receptors include the following (as shown in Figure 26A):

- Direct exposure to soil COCs through inhalation of soil/dust particles blown off-Site during high intensity soil works/development for the off-Site visitors (recreational and trespassers), long-term outdoor workers, and subsurface workers;
- Direct exposure to groundwater (potable) through dermal contact and intentional ingestion by visitors (recreational and trespassers) and long-term indoor workers;
- Direct exposure to groundwater through dermal contact and incidental ingestion while working in a trench for the off-Site subsurface worker;
- Inhalation of volatile COCs released to indoor air from soil and groundwater for the off-Site property visitors (recreational and trespasser), and long-term indoor workers;
- Inhalation of volatile COCs released to outdoor air from soil and groundwater for the off-Site visitors (recreational and trespassers), and long-term outdoor workers,
- Inhalation of volatile COCs released to outdoor air (ground level) and trench air for the off-Site subsurface worker;
- Vapour skin contact for the off-Site visitors (recreational and trespassers), indoor worker, long-term outdoor worker, and subsurface worker; and
- Indirect contact to soil and groundwater COCs via dermal contact and incidental ingestion with an off-Site surface water body for the property visitor (recreational and trespassers).

The potential exposure routes for on- and off-Site human receptors are summarized in Figure 26A. As risk management measures are intended for the Site, an HHCSM in the presence of Risk Management Measures (RMMs) is provided as Figure 26B.

4.2 Ecological Receptors and Exposure Pathways

The selection of ecological receptors takes into consideration the location of the Site in an urban area and that two (2) tributaries of Morrison Creek are located approximately 60 m east and 300 m south of the Site. Both tributaries flow south/southeast towards Lake Ontario, which is located approximately 2 km south of the Site. Relevant on-site receptors consist of terrestrial VECs such as plants, soil invertebrates, mammals and birds.

Based on the soil and groundwater COCs identified at the Site, possible routes of exposure for ecological receptors include the following:

- Direct exposure to soil and groundwater COCs through root uptake (plants);
- Direct exposure to soil COCs through dermal contact, incidental ingestion, and particulate inhalation (soil invertebrates and/or terrestrial mammals and birds);
- Ingestion of impacted plant and animal tissue by soil invertebrates and terrestrial mammals and birds;
- Indirect exposure to volatile COCs released from soil and groundwater to outdoor air through atmospheric deposition (plants); and,
- Indirect exposure to volatile COCs released from soil and groundwater to outdoor air through inhalation and dermal contact (soil invertebrates and terrestrial mammals and birds).

Off-Site ecological receptors consist of the same terrestrial receptors found on-Site. Furthermore, the MECP evaluates exposure to aquatic receptors at properties within 5 km of a surface water body. Given that the nearest surface water features are two (2) tributaries of Morrison Creek located approximately 60 m east and 300 m south of the Site, and that regional groundwater flow direction at the Site is anticipated to be south/southeast towards Lake Ontario, located approximately 2 km south of the Site, aquatic receptors are also considered. Relevant off-Site aquatic receptors include aquatic plants, aquatic invertebrates, aquatic and semi-aquatic birds and mammals, and fish. Off-Site exposure routes include the following (as shown in Figure 26A):

- Direct exposure to groundwater COCs through root uptake (terrestrial plants);
- Direct exposure to soil COCs through particulate inhalation (soil invertebrates, terrestrial birds and mammals);
- Indirect exposure to volatile COCs released from soil and groundwater to outdoor air through atmospheric deposition (plants);
- Indirect exposure to volatile COCs released from soil and groundwater to outdoor air through inhalation and dermal contact (soil invertebrates and terrestrial wildlife);
- Direct exposure to surface water through root, stem and foliar uptake (aquatic plants);
- Direct exposure to surface water through dermal contact and ingestion (terrestrial birds and mammals, aquatic invertebrates, aquatic birds and mammals, amphibians and fish);
- Indirect exposure through ingestion of impacted plant and animal tissue by soil invertebrates, terrestrial birds and mammals, aquatic invertebrates, aquatic birds and mammals, amphibians and fish; and,
- Direct exposure to surface water through gill intake (aquatic invertebrates, amphibians and fish).

The potential exposure routes for on- and off-Site ecological receptors are summarized in Figure 27A. As risk management measures are intended for the Site, an ecological conceptual site model (ECSM) in the presence of RMM is provided as Figure 27B.

5 Uncertainty in the Phase Two Investigation

Quality Control/Quality Assurance measures were implemented during sample collection, storage and transport to provide accurate data representative of conditions in the surficial fill and upper overburden soils. The QA/QC measures included decontamination procedures to minimize the potential for sample cross contamination, the execution of standard operating procedures to collect representative and unbiased samples, the collection of quality control samples to evaluate sample precision and accuracy, and the implementation of measures to preserve sample integrity.

Soil samples were collected into pre-cleaned laboratory-supplied jars provided with analytical test group specific preservatives, as required. Recommended analytical test group specific sample volumes were collected as specified by the contractual laboratory.

Measures were followed to preserve sample integrity between collection and receipt by the laboratory. Immediately upon collection, all samples were placed in insulated coolers pre-chilled with ice for storage and transport to the contractual laboratory. Samples were received by the contractual laboratory within specific analytical test group holding time requirements.

Documentation procedures were followed to confirm sample identification and tracked sample movement. Each sample was assigned a unique identification ID number, which was recorded along with the date, time of sampling and requested analyses on labels affixed to the sampling containers, and in a field notebook. Chain of Custody protocols were followed to track sample handling and movement until receipt by the contractual laboratory.

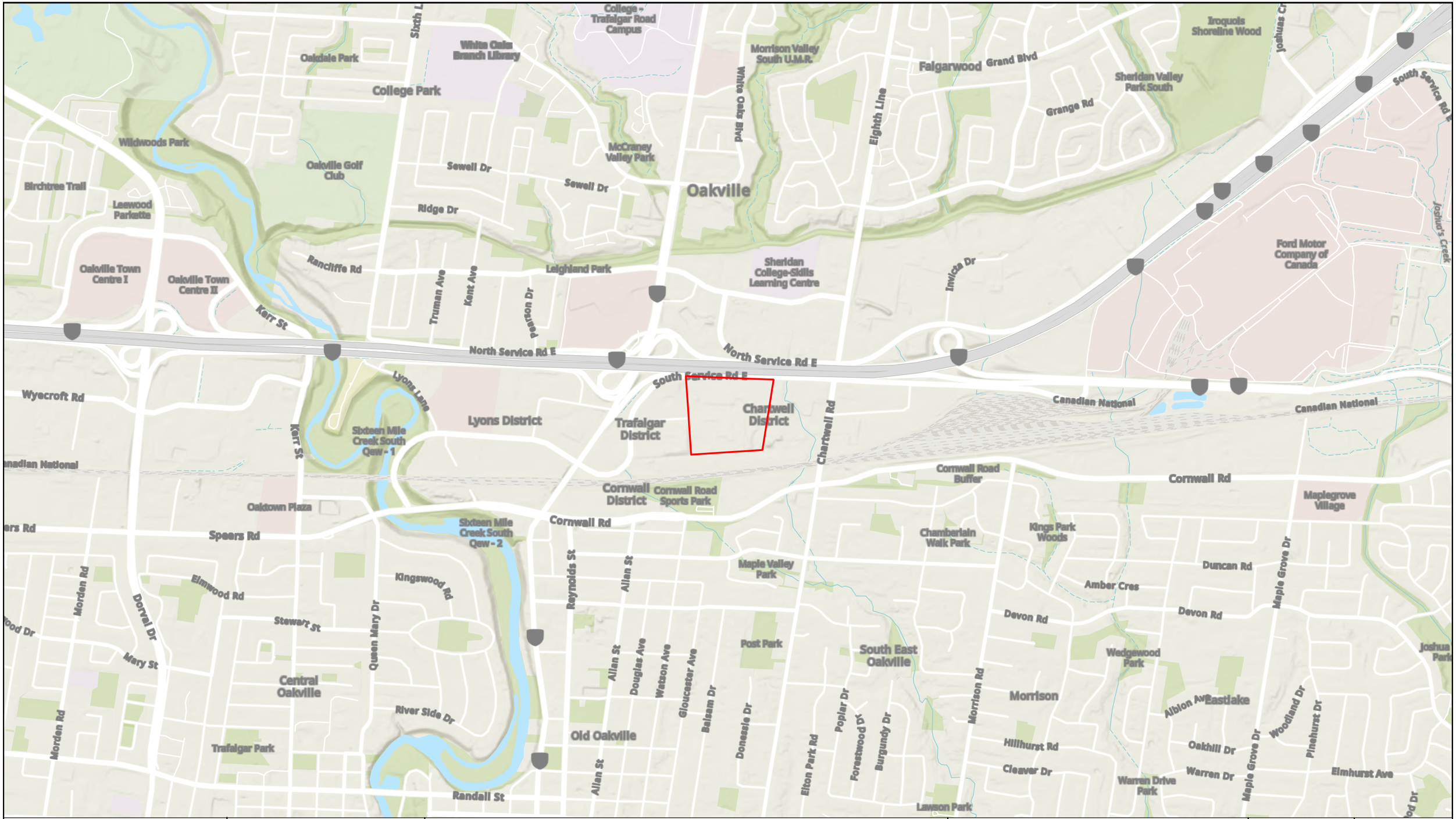
Field QA/QC samples were collected during soil sampling. Duplicate samples were collected to evaluate sampling precision.

The contractual laboratory selected to perform the chemical analyses was Bureau Veritas (BV) Laboratories and AGAT Laboratories (AGAT), both of Mississauga, ON. BV and AGAT are accredited laboratories under the Standards Council of Canada/Canadian Association of Laboratory Accreditation (Accredited Laboratory No. 97 and No. A3200, respectively) in accordance with ISO/IEC 17025:2005 – "General Requirements for the Competence of Testing and Calibration Laboratories". Certificates of Analysis were received from BV and AGAT reporting the results of all the chemical analyses performed on the submitted soil and groundwater samples. Copies of the Certificates of Analysis are provided in Appendix E of the Phase Two ESA. Review of the Certificates of Analysis, prepared by BV and AGAT, indicates that they were in compliance with the requirements set out under subsection 47(3) of O. Reg. 153/04.

The investigation undertaken by EXP, and any conclusions or recommendations resulting from the work, reflect EXP's judgment based on the conditions observed at the time of EXP's inspections and on information available at the time of preparation of the work. EXP has confirmed neither the completeness nor the accuracy of the records that were provided by others; as such, the historical records review is identified as a potential source of uncertainty during the investigation. The CSM is developed using multiple lines of evidence, searches and source information to make every reasonable attempt to ensure that findings of environmental significance are captured.

Any uncertainty or absence of information in the records review, interviews, and site reconnaissance components of the Phase One investigation, or any uncertainty or absence of information within the Phase Two or subsequent investigations, are not anticipated to materially affect the validity of the Phase Two CSM.

Figures



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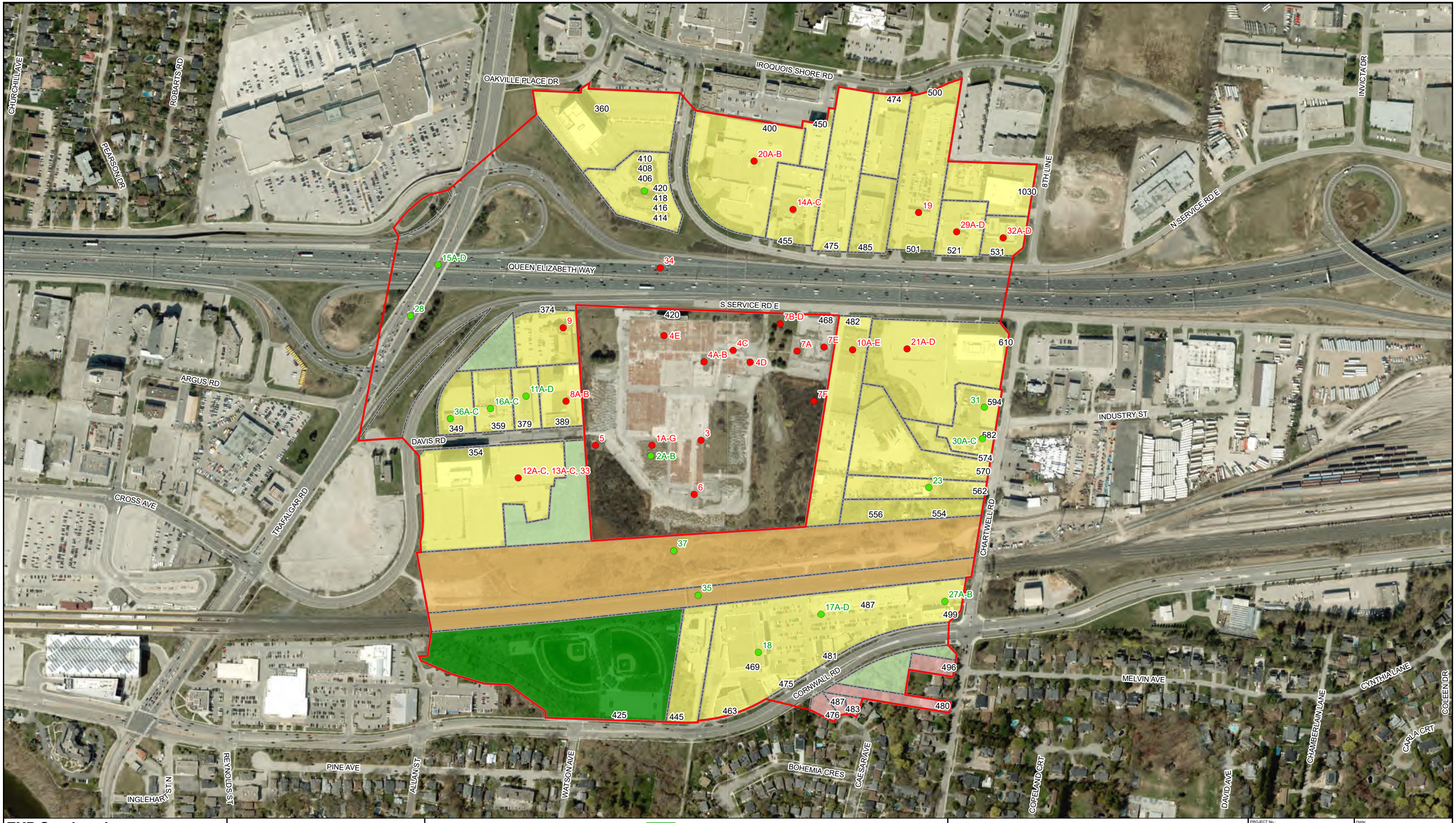
APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SITE LOCATION PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 1



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N

0 50 100 150 200 250 m

- PCA CONTRIBUTING TO AN APEC
- PCA NOT CONTRIBUTING TO AN APEC
- AGRICULTURAL / OTHER USE
- COMMERCIAL
- INDUSTRIAL
- PARKLAND
- RESIDENTIAL
- PHASE ONE STUDY AREA
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

PHASE ONE STUDY AREA, SURROUNDING LAND USE PLAN, AND POTENTIALLY CONTAMINATING ACTIVITIES (PCAs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 2

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0 20 40 60 80 100 m

- FORMER UNDERGROUND STORAGE TANK
- T FORMER TRANSFORMER
- FORMER BUILDING (2006)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SITE PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 3

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N

0 20 40 60 80 100 m

- APEC 1A-G
- APEC 2
- APEC 3A-B
- APEC 3C
- APEC 3D
- APEC 3E
- APEC 4
- APEC 5
- APEC 6A
- APEC 6B-D
- APEC 6E
- APEC 6F
- APEC 7
- APEC 8
- APEC 9
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APECs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 4

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0 20 40 60 80 100 m

- BOREHOLE (AECOM, 2013)
- BOREHOLE / MONITORING WELL (AECOM, 2013)
- SURFICIAL SOIL SAMPLE (AECOM, 2013)
- TEST PIT (AECOM, 2013)
- BOREHOLE (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (EXP, 2023)
- TEST PIT (EXP, 2024)
- BOREHOLE (EXP, 2024)
- BOREHOLE / MONITORING WELL (EXP, 2024)
- CROSS SECTION AXIS
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

BOREHOLE / MONITORING WELL LOCATION PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 5A

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0 20 40 60 80 100 m

TITLE AND LOCATION:

BOREHOLE / MONITORING WELL
LOCATION PLAN AND APECs
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 5B

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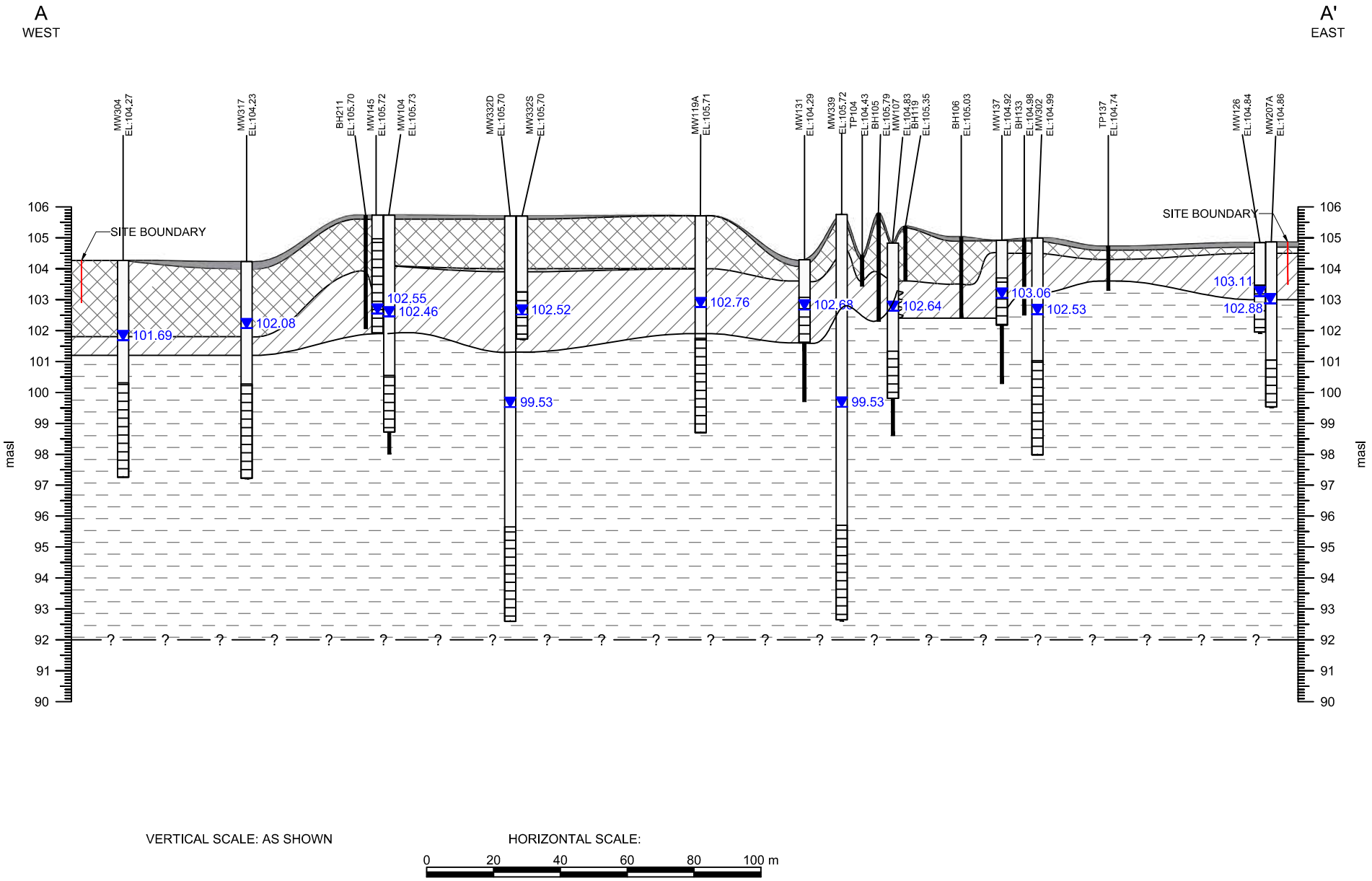
0 20 40 60 80 100 m

- BOREHOLE (AECOM, 2013)
- BOREHOLE / MONITORING WELL (AECOM, 2013)
- SURFICIAL SOIL SAMPLE (AECOM, 2013)
- TEST PIT (AECOM, 2013)
- BOREHOLE (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (EXP, 2023)
- TEST PIT (EXP, 2024)
- BOREHOLE (EXP, 2024)
- BOREHOLE / MONITORING WELL (EXP, 2024)
- QUADRANT BOUNDARY
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

BOREHOLE / MONITORING WELL AND QUADRANT LOCATION PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 5C



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LEGEND:

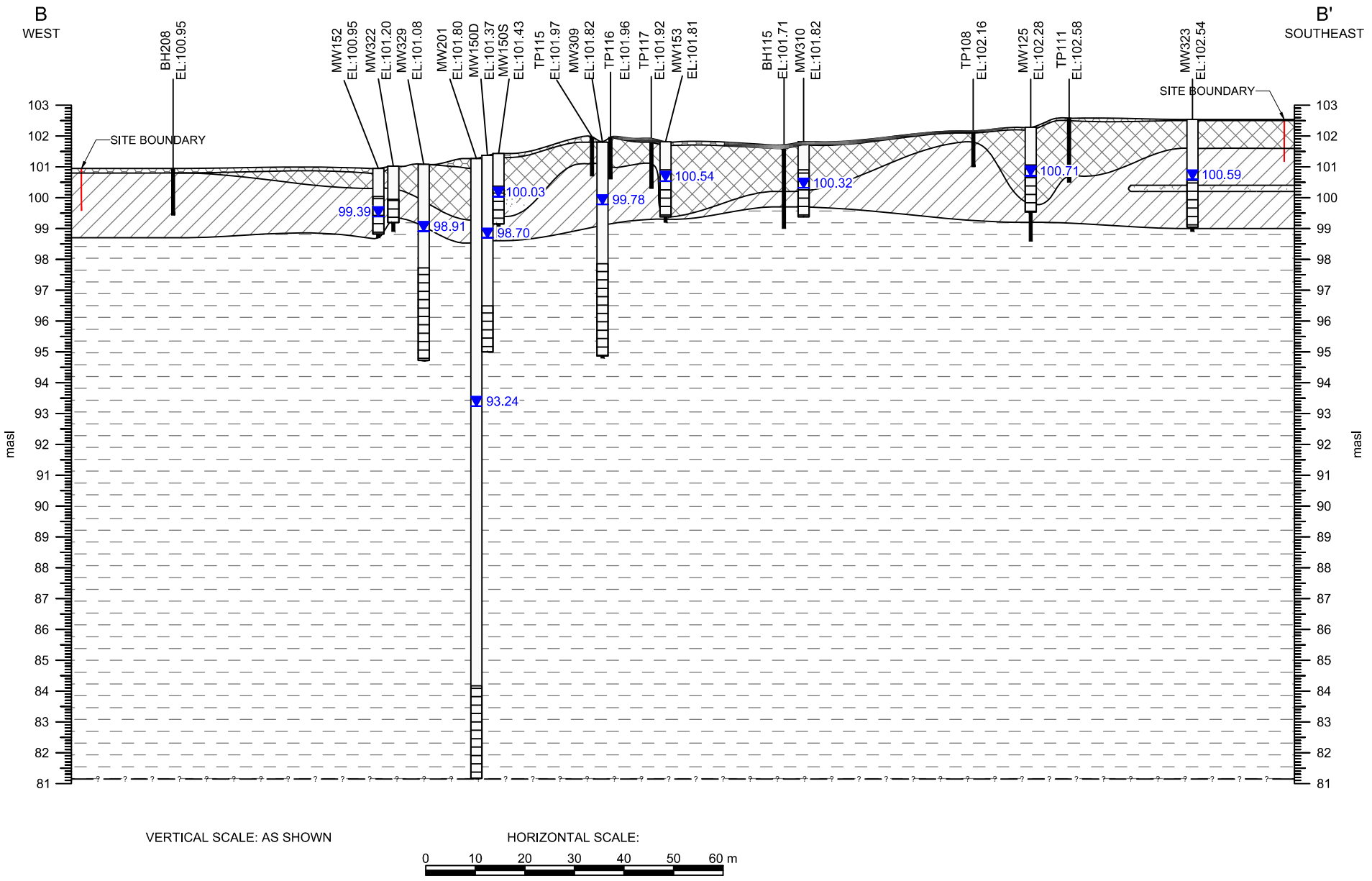
- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024

TITLE AND LOCATION:

CROSS SECTION A-A'
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.: GTR-23006348-E1	DWN.: MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 5D

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg



VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 10 20 30 40 50 60 m

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LEGEND:

- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024

TITLE AND LOCATION:

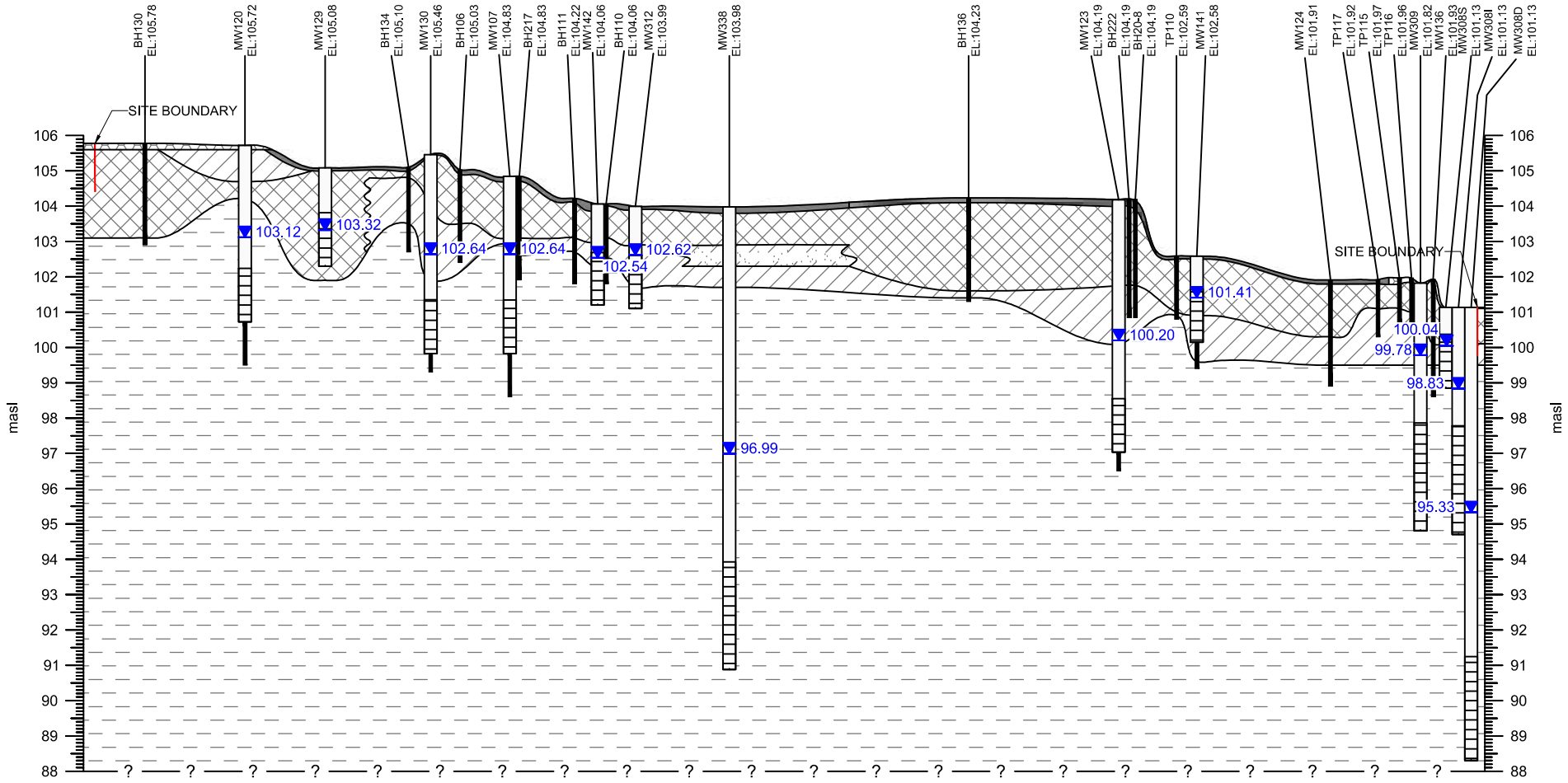
CROSS SECTION B-B'
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.: GTR-23006348-E1	DWN.: MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 5E

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

C
NORTHEAST

C'
SOUTHWEST



VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

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LEGEND:

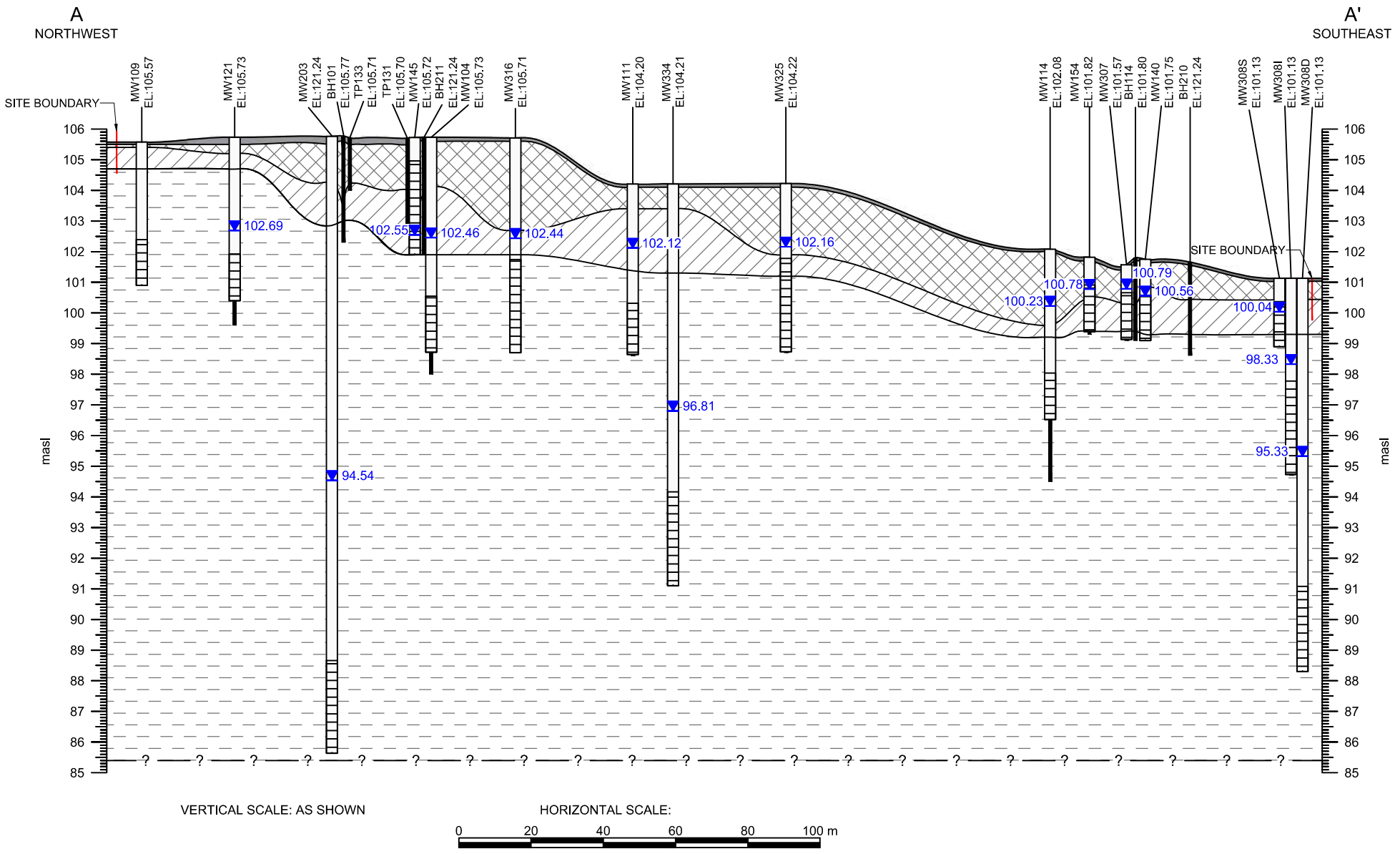
- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024

TITLE AND LOCATION:

CROSS SECTION C-C'
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	5F

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg



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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024

TITLE AND LOCATION:

CROSS SECTION D-D'
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.: GTR-23006348-E1	DWN.: MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 5G

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

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0 20 40 60 80 100 m

- BOREHOLE / MONITORING WELL (AECOM, 2013)
- BOREHOLE / MONITORING WELL (EXP, 2023)
- BOREHOLE / MONITORING WELL (EXP, 2024)
- APPROXIMATE SITE BOUNDARY
- xx.xx GROUNDWATER ELEVATION (m asl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

TITLE AND LOCATION:

OVERBURDEN GROUNDWATER CONTOUR PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: SEPTEMBER 2024	FIG. No.: 6A

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N

0 20 40 60 80 100 m

- BOREHOLE / MONITORING WELL (AECOM, 2013)
- BOREHOLE / MONITORING WELL (EXP, 2023)
- BOREHOLE / MONITORING WELL (EXP, 2024)
- APPROXIMATE SITE BOUNDARY
- GROUNDWATER ELEVATION (m asl) AS MEASURED ON SEPTEMBER 10, 2024
- xx.xx GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

TITLE AND LOCATION:

SHALLOW BEDROCK GROUNDWATER CONTOUR PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: SEPTEMBER 2024	FIG. No.: 6B

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0 20 40 60 80 100 m

- BOREHOLE / MONITORING WELL (PINCHIN, 2015)
- BOREHOLE / MONITORING WELL (EXP, 2024)
- APPROXIMATE SITE BOUNDARY
- xx.xx GROUNDWATER ELEVATION (m asl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

TITLE AND LOCATION:

DEEP BEDROCK GROUNDWATER CONTOUR PLAN
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: SEPTEMBER 2024	FIG. No.: 6C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs
- AREA OF CONTAMINATION (PHCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 7A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

DAVIS RD

MW109 0.05-0.85
MW133 0.18-1.07 1.52-2.29
MW132D 0.05-1.02 1.63-2.24
BH141 ~0.16-0.35 0.85-1.22
MW121 0.18-1.04
TP129 1-1.1 1.15-1.25
TP130 0.9-1 1.1-1.2
TP127 2.1-2.3
MW314 1.52-2.13
MW122 0-0.92
MW203 ~2.0-2.9
MW103 0.13-0.97 1.54-2.21
BH103 0.1-0.92
BH101 0.17-0.59 2.4-2.75
TP133 1.2-1.5 1.5-1.7
TP134 1.1-1.2 1.35-1.5
TP131 0.8-0.85 2.3-2.4
BH122 1.52-2.33 2.34-2.87
MW145 1.68-2.13 2.29-2.53 3.05-3.47
MW104 0.66-1.32 1.52-2.64
BH102 0.13-0.58 1.78-2.43
MW315 3.05-3.66
MW119D 0.12-0.92 3.5-3.95
MW119A 3.81-4.57
MW317 2.29-2.90
MW112 0.05-1.7
MW316 3.05-3.66
MW204 1.2-2.4
TP126 1.8-1.9
MW139 0.7-0.92
BH138 0.75-1.22 1.22-1.41
MW111 0.1-0.94 1.52-2.69
MW319 ~1.52-2.13
BH137 0.8-1.1 1.3-1.7
MW324 2.29-2.90
MW202 ~2.4-3.6

MW119A	BH119A SS6
	12-Aug-2024
	3.81 - 4.57
PHC F2	327

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX - DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 7B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.13-0.46 1.524-1.98
BH121 0.13-0.61 ~2.06-2.75
MW118 0.16-0.75
MW116 0.2-0.9
TP128 1.65-1.75
MW129 0.3-1.14 1.52-2.46
MW102 0.1-1.07 1.524-2.72
BH104 0.15-0.69 1.52-2.69
MW130 0.05-0.64 1.52-2.08 3.05-3.35
MW131 0.2-0.5 0.66-0.99 1.52-2.14
BH105 0.51-0.79 ~1.52-1.85 3.05-3.45
BH119 0.36-0.89 ~1.72-2.28
TP104 ~0.3-0.8 0.8-0.9
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
BH107 0.05-0.56 1.52-2.03
MW107 0.1-1.09 1.52-2.56
BH124 0.09-1.25 1.25-1.52 1.52-1.98
BH110 0.08-0.35 0.97-1.25 1.52-2.13
MW312 0.76-1.37
BH111 0.08-0.49 1.07-1.5 1.52-2.03
D2 0-0.2
BH134 0.12-0.32 1.22-1.57
BH140 0.61-0.96
TP103 0.5-1.1 1.1-1.4
MW137 0.85-1.1
BH106 0.51-0.97 1.52-2.23
MW313 2.29-2.90
D1 0-0.2
MW117 0-0.7
BH132 1.22-1.7
BH133 0.1-0.43 1.22-1.76
MW120 0-0.7
BH131 0.19-0.66 1.22-1.62
BH130 ~1.22-1.86 2.44-2.65 0.18-0.91
BH206 3.1-3.4
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW128 0.2-0.85
BH127 0.2-0.5 0.5-1.25
BH129 0.38-1.54 1.54-2.44
BH128 0.14-1.08 1.52-2.15
MW105 0.1-0.57 1.5-2.25
MW127 0.1-0.45
TP138 0.5-0.6
MW207 2.0-2.4
MW126 0.1-0.35 1.52-1.8
MW106 0.08-0.84 1.52-1.82

BH134	BH134-1	BH134-2
	9-Aug-2013	9-Aug-2013
	0.12 - 0.32	1.22 - 1.57
PHC F2	10	200

D1	D1-0-0.2
	23-Jul-2013
	0 - 0.2
PHC F3	3600
PHC F4	20000

BH129	BH129-2	BH129-3
	8-Aug-2013	8-Aug-2013
	0.38 - 1.54	1.54 - 2.44
PHC F1	87	47

TP138	TP138-1
	8-Oct-2013
	0.5 - 0.6
PHC F2	1300

MW207	MW207 S3
	4-Feb-2015
	2.0 - 2.4
PHC F1	66
PHC F2	200

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N

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs
- AREA OF CONTAMINATION (PHCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX - DETAIL MAP 3

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 7C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

TP122	TP122-1	TPW-1	TP122-2
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0.1 - 0.5	Field Duplicate of TP122-1	0.7 - 0.8
PHC F2	56	230	< 10
PHC F3	1100	3700	< 50

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Toluene	220	9.8
PHC F1	3500	22
PHC F2	260	11
PHC F3	7000	< 50

BH113 0.07-1.0
MW134 0.1-0.7 2-2.6
BH123 0.05-0.75 ~0.8-1.22
TP122 ~0.1-0.5 0.7-0.8
MW320 2.29-2.90
MW148S 0.82-1.37 1.52-1.98 ~2.35-2.74
TP121 0-0.2 0.2-0.6 1-1.3
TP125 0-0.7 0.7-1
TP124 ~0-0.5 0.6-0.7
TP120 0-0.2 0.55-0.8 1.25-1.4
TP119 0.2-0.6 0.6-1.7
BH114 0.61-0.85 1.52-2.15
MW135 0-0.55
TP123 0-0.25 0.3-0.6
MW322 0.76-1.37
TP118 0.2-1.4
MW201 ~2.0-2.7
MW325 2.29-2.90
BH139 0.61-1.22 ~1.57-1.83
MW205 2.0-2.4
MW110D 0.11-0.64 1.52-2.39
BH112 0.18-0.99 1.52-2.54
BH136 0.75-1.22 1.9-2.2
BH116 0.16-0.61 ~1.65-4.02 4.02-4.57
MW114 0.07-0.61 2-2.5 2.5-2.85
MW123 0.17-0.62 3.05-3.75
MW141 0.8-1.3 1.6-1.8
TP110 1.4-1.55
TP109 0.07-0.2 0.3-1 1.85-2
BH135 1.22-1.75 2-2.4
MW327 ~2.29-2.90
MW124 0.2-1.22 1.6-2.4
TP115 0.15-0.5 0.9-1.25
TP117 0.5-0.75 1-1.4
BH115 0.2-0.75 1.52-2.1
TP116 0-0.23 0.23-0.55
MW136 1.3-1.5 2.14-2.44

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs
- AREA OF CONTAMINATION (PHCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX - DETAIL MAP 3

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 7D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

D3 0-0.2
TP105 0.1-0.85 0.85-1.03
BH109 ~0-1.14 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
D4 0-0.2
MW108 0.13-1.07 1.52-1.95
TP101 0.3-0.85 1.4-1.75
MW326 2.29-2.90
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
TP201 2.0
MW337 0.76-1.37 1.52-2.13
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP202 1.5
TP203 1.5
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
D7 0-0.2
TP204 0.5 2.0
MW149 1.2-1.5 2.4-3
MW144 1.5-2.3 2.3-2.9
TP113 1-1.3 1.6-1.75
TP205 0.5 2.0
MW328 3.05-3.66
TP114 0.15-0.8
TP111 0.5-0.85 1.4-1.65 1.7-1.9 1.9-2.1
TP112 0.3-0.6 1.5-1.7
MW323 3.05-3.66
TP108 0.09-0.35 0.35-0.75
MW125 0-0.76 2.28-2.6

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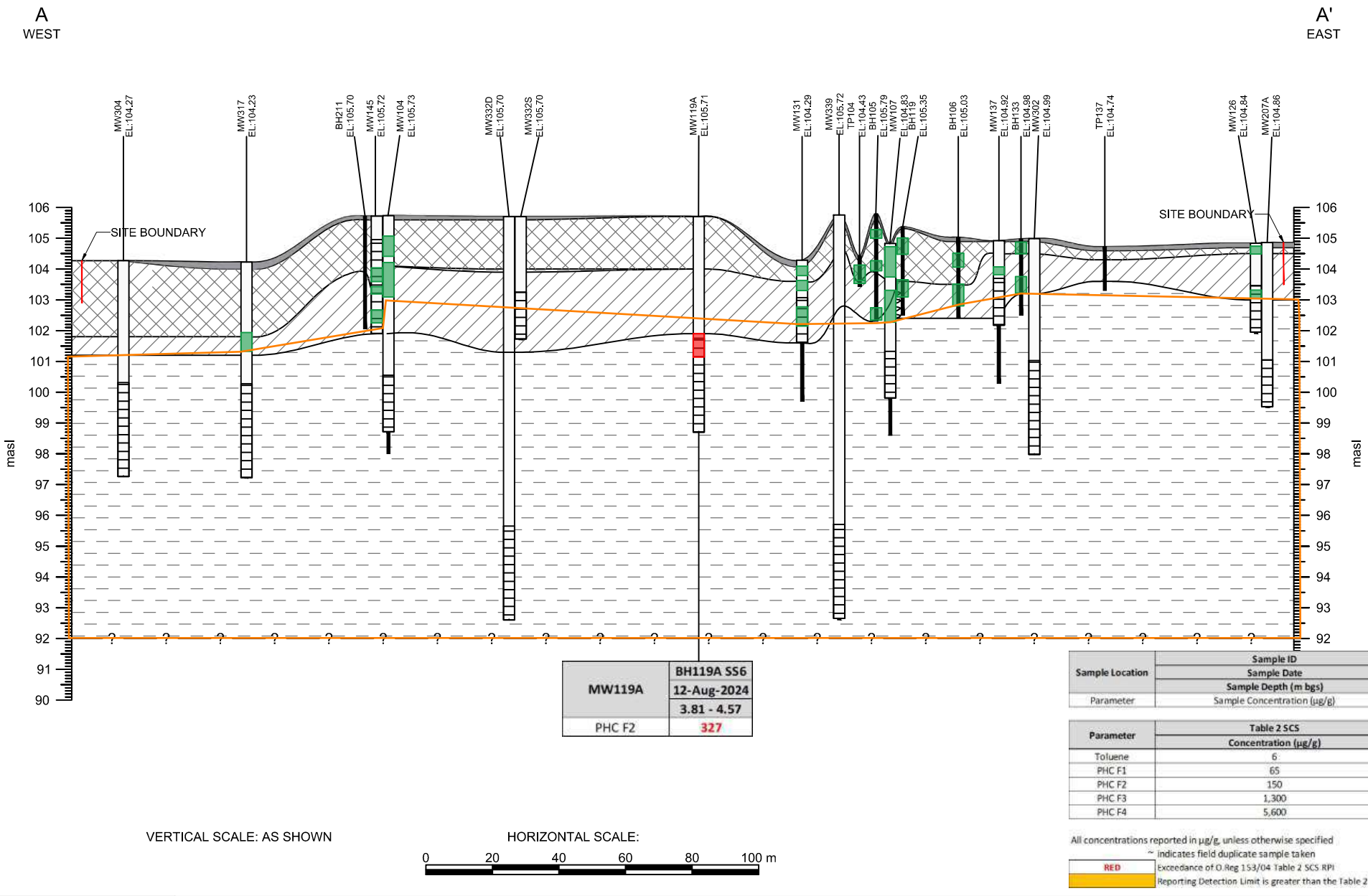
0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX - DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 7E



MW119A	BH119A SS6
	12-Aug-2024
	3.81 - 4.57
PHC F2	327

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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LEGEND:
- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs AND BTEX
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs AND BTEX
- ESTIMATED EXTENT OF CONTAMINATED SOIL

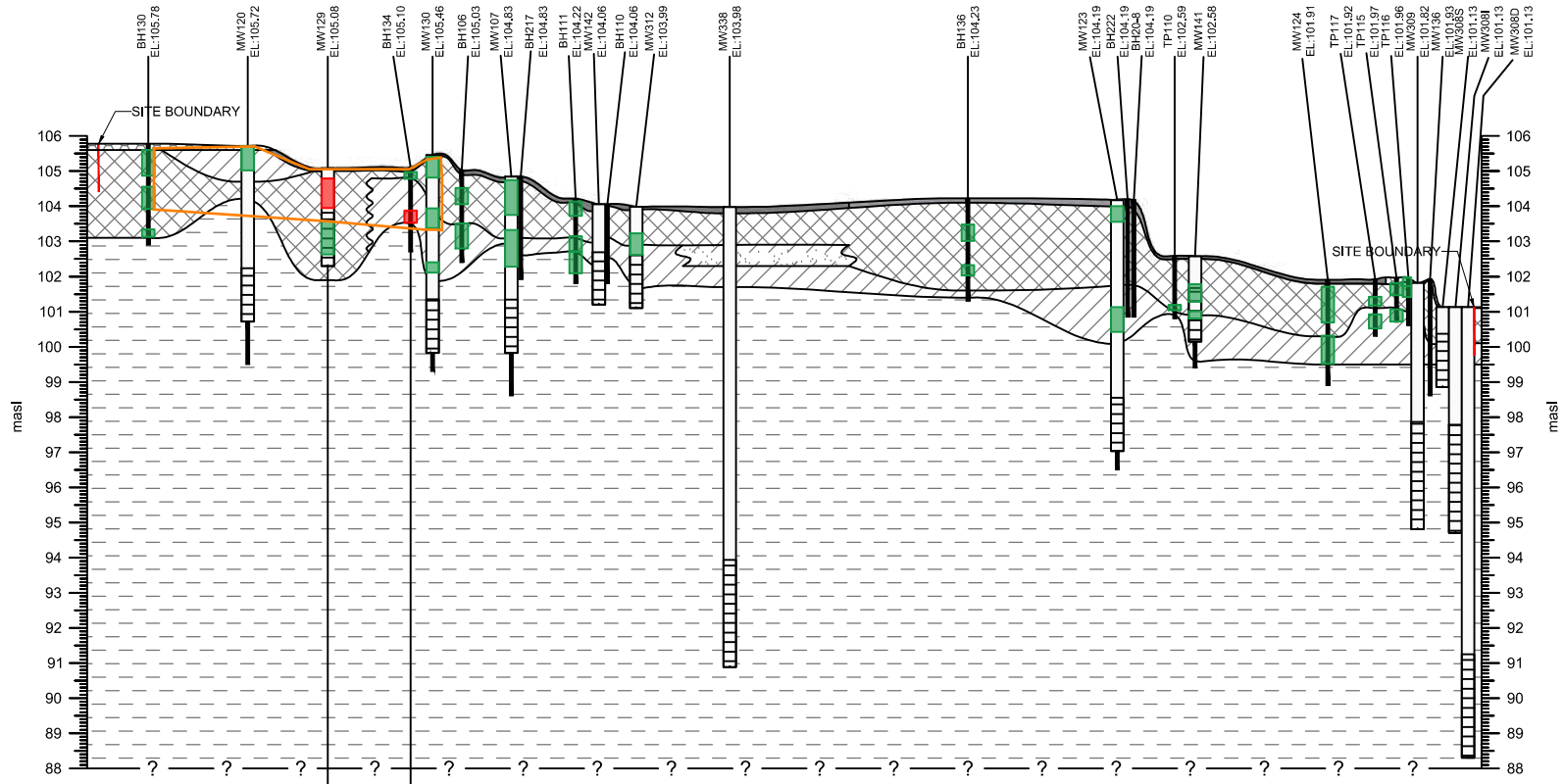
TITLE AND LOCATION:
CROSS SECTION A-A'
SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 7F

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

C
NORTHEAST

C'
SOUTHWEST



BH129	BH129-2	BH129-3
	8-Aug-2013	8-Aug-2013
	0.38 - 1.54	1.54 - 2.44
PHC F1	87	47

BH134	BH134-1	BH134-2
	9-Aug-2013	9-Aug-2013
	0.12 - 0.32	1.22 - 1.57
PHC F2	10	200

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

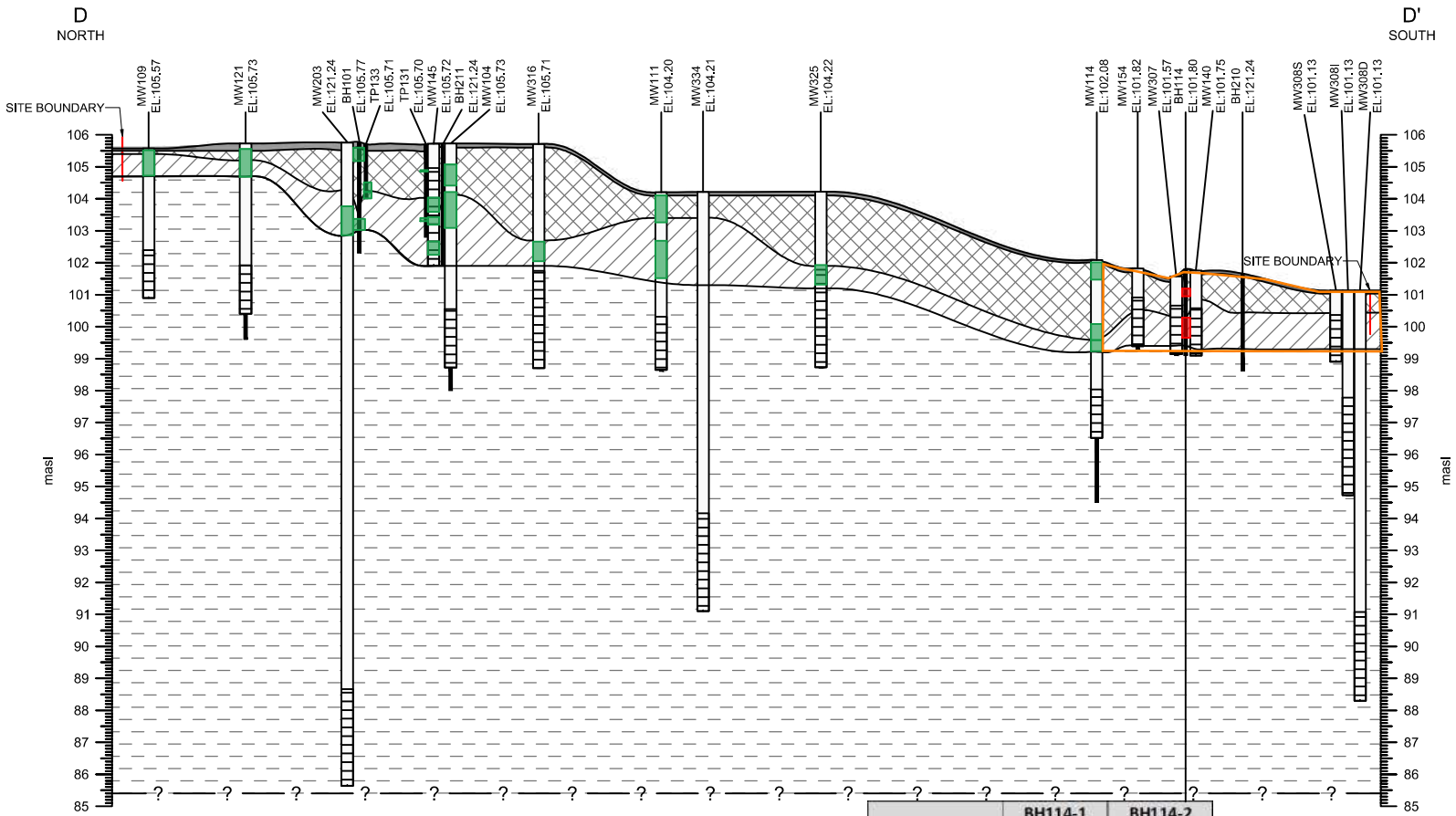
- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs AND BTEX
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs AND BTEX
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION C-C'
SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	7G

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg



BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Toluene	220	9.8
PHC F1	3500	22
PHC F2	260	11
PHC F3	7000	< 50

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS Concentration (µg/g)
Toluene	6
PHC F1	65
PHC F2	150
PHC F3	1,300
PHC F4	5,600

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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LEGEND:
- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs AND BTEX
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PHCs AND BTEX
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:
CROSS SECTION D-D'
SOIL ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 7H

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Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

N SERVICE RD E

S SERVICE RD E

REFER TO FIGURE 8B

REFER TO FIGURE 8C

REFER TO FIGURE 8D

REFER TO FIGURE 8E

DAVIS RD

TOO

CHARTWELL RD

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION (VOCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
VOLATILE ORGANIC COMPOUNDS (VOCs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 8A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY
S SERVICE RD E
DAVIS RD

MW109 0.05-0.85
MW133 0.18-1.07 1.52-2.29
MW132D ~0.05-1.02 1.63-2.24
BH141 ~0.16-0.35 0.85-1.22
MW121 0.18-1.04
TP129 1-1.1 1.15-1.25
TP130 0.9-1 1.1-1.2
TP127 2.1-2.3
MW314 1.52-2.13
MW122 0-0.92
MW203 ~2.0-2.9
MW103 0.13-0.97 1.54-2.21
BH103 0.1-0.92
BH101 0.17-0.59 2.4-2.75
TP133 ~1.2-1.5 1.5-1.7
TP134 1.1-1.2 1.35-1.5
TP131 0.8-0.85 2.3-2.4
BH122 1.52-2.33 2.34-2.87
MW145 2.29-2.53 3.05-3.47
MW104 0.66-1.32 1.52-2.64
BH102 0.13-0.58 1.78-2.43
MW315 3.05-3.66
MW119D 0.12-0.92 3.5-3.95
MW317 2.29-2.90
MW112 0.05-1.7
MW316 3.05-3.66
MW204 1.2-2.4
TP126 1.8-1.9
MW139 0.7-0.92
BH138 0.75-1.22 1.22-1.41
MW111 0.1-0.94 1.52-2.69
MW319 ~1.52-2.13
BH137 0.8-1.1 1.3-1.7
MW324 2.29-2.90
MW202 ~2.4-3.6

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION (VOCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
VOLATILE ORGANIC COMPOUNDS (VOCs)
- DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 8B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.13-0.46 1.524-1.98
BH121 0.13-0.61 ~2.06-2.75
MW116 0.2-0.9
TP128 1.65-1.75
MW129 0.3-1.14 1.52-2.46
BH104 0.15-0.69 1.52-2.69
MW102 0.1-1.07 ~1.524-2.72
MW118 0.16-0.75
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
MW130 0.05-0.64 1.52-2.08 3.05-3.35
BH134 0.12-0.32 1.22-1.57
BH133 0.1-0.48 1.22-1.76
MW137 0.85-1.1
MW131 0.2-0.5 0.66-0.99 1.52-2.14
TP104 0.3-0.8 0.8-0.9
BH119 0.36-0.89 ~1.72-2.28
BH106 0.51-0.97 1.52-2.23
MW107 0.1-1.09 1.52-2.56
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
BH107 0.05-0.56 1.52-2.03
BH111 0.08-0.49 1.07-1.5 1.52-2.03
MW313 2.29-2.90
BH140 0.61-0.96
BH110 0.08-0.35 0.97-1.25 1.52-2.13
D1 0-0.2
TP103 0.5-1.1 1.1-1.4
BH124 0.09-1.25 1.25-1.52 1.52-1.98
MW312 0.76-1.37
D2 0-0.2
MW117 0-0.7
BH130 ~1.22-1.86 2.44-2.65 0.18-0.91
BH206 ~3.1-3.4
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW120 0-0.7
BH131 0.19-0.66 1.22-1.62
BH132 1.22-1.7
MW128 0.2-0.85
BH128 0.14-1.08 1.52-2.15
BH127 0.2-0.5 0.5-1.25
MW105 0.1-0.57 1.5-2.25
MW127 0.1-0.45
BH129 0.38-1.54 1.54-2.44
TP138 0.5-0.6
MW106 0.08-0.84 1.52-1.82
MW207 2.0-2.4
MW126 0.1-0.35 1.52-1.8

BH105	BH-105 SA1	BH-105 SA2A	BH-105 SA2B	BH-105 SA3
	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.51 - 0.79	1.52 - 1.85	1.85 - 2.64	3.05 - 3.45
Trichloroethylene	< 0.050	< 0.050	< 0.050	1.2

BH119	BH119-SA1B	BH119-SA2B	DUP1
	1-Aug-2013	1-Aug-2013	1-Aug-2013
	0.36 - 0.89	1.72 - 2.28	Field Duplicate of BH119-SA2B
Trichloroethylene	< 0.050	1.6	1.3

MW131	MW131 SA1A	MW131 SA1B	MW131 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.2 - 0.5	0.66 - 0.99	1.52 - 2.14
Trichloroethylene	< 0.050	< 0.050	0.53

BH110	BH110SA1A	BH110 SA1B	BH110 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13
Trichloroethylene	< 0.050	0.21	19
Vinyl Chloride	< 0.020	< 0.020	0.078

BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
Trichloroethylene	< 0.050	< 0.050	13

MW126	MW126-1	MW126-2
	15-Jul-2013	15-Jul-2013
	0.1 - 0.35	1.52 - 1.8
1,1,2,2-Tetrachloroethane	< 0.30	< 0.30

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N

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION (VOCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs) - DETAIL MAP 2

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 8C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

MW148S	MW148-S SA3	MW148-S SA4B	DUP-5
	7-Oct-2013	7-Oct-2013	7-Oct-2013
	1.52 - 1.98	2.35 - 2.74	Field Duplicate of MW148-S SA4B
Vinyl Chloride	< 0.020	0.3	0.25

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
1,1,2,2-Tetrachloroethane	< 0.28	< 0.050
1,1,2-Trichloroethane	< 0.070	< 0.050
Vinyl Chloride	< 0.020	0.17

MW201	MW201 S4	DUP-1
	29-Jan-2015	29-Jan-2015
	2.0 - 2.7	Field Duplicate of MW201 S4
1,1-Dichloroethylene	<0.050	0.089
1,1,2-Trichloroethane	0.14	0.44
Trichloroethylene	1.5	1.9
Vinyl Chloride	<0.020	0.038

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION (VOCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs) - DETAIL MAP 3

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 8D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

D5	D5-0-0.1
	24-Jul-2013
	0 - 0.1
Bromomethane	< 0.10
1,4-Dichlorobenzene	< 0.10
1,2-Dichloroethane	< 0.10
1,1-Dichloroethylene	< 0.10
Ethylene Dibromide (1,2-Dibromoethane)	< 0.10
1,1,1,2-Tetrachloroethane	< 0.10
1,1,2,2-Tetrachloroethane	< 0.10
1,1,2-Trichloroethane	< 0.10
1,3-Dichloropropene	< 0.10

TP107	TP107-1	TP107-2	TP107-3
	23-Jul-2013	23-Jul-2013	23-Jul-2013
	0.09 - 0.4	0.4 - 0.95	1 - 1.45
Trichloroethylene	< 0.050	4.3	< 0.050

MW125	MW125-1	MW125-2
	8-Jul-2013	8-Jul-2013
	0 - 0.76	2.28 - 2.6
Bromomethane	< 0.10	< 0.050
1,4-Dichlorobenzene	< 0.10	< 0.050
1,2-Dichloroethane	< 0.10	< 0.050
1,1-Dichloroethylene	< 0.10	< 0.050
1,2-Dichloropropane	< 0.10	< 0.050
Ethylene Dibromide (1,2-Dibromoethane)	< 0.10	< 0.050
1,1,1,2-Tetrachloroethane	< 0.10	< 0.050
1,1,2,2-Tetrachloroethane	< 0.10	< 0.050
1,1,2-Trichloroethane	< 0.10	< 0.050
1,3-Dichloropropene	< 0.10	< 0.050

TP105 0.1-0.85 0.85-1.03
D3 0-0.2
BH109 0-1.14 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
MW108 0.13-1.07 1.52-1.95
D4 0-0.2
TP101 0.3-0.85 1.4-1.75
MW326 2.29-2.90
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
TP201 2.0
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP203 1.5
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
D7 0-0.2
MW149 1.2-1.5 2.4-3
MW144 1.5-2.3 2.3-2.9
TP113 1-1.3 1.6-1.75
TP205 0.5
MW328 3.05-3.66
TP114 0.15-0.8
TP112 0.3-0.6 1.5-1.7
TP111 0.5-0.85 1.4-1.65 1.7-1.9 1.9-2.1
MW323 3.05-3.66
TP108 0.09-0.35 0.35-0.75
MW125 0-0.76 2.28-2.6

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION (VOCs IN SOIL)
- APPROXIMATE SITE BOUNDARY

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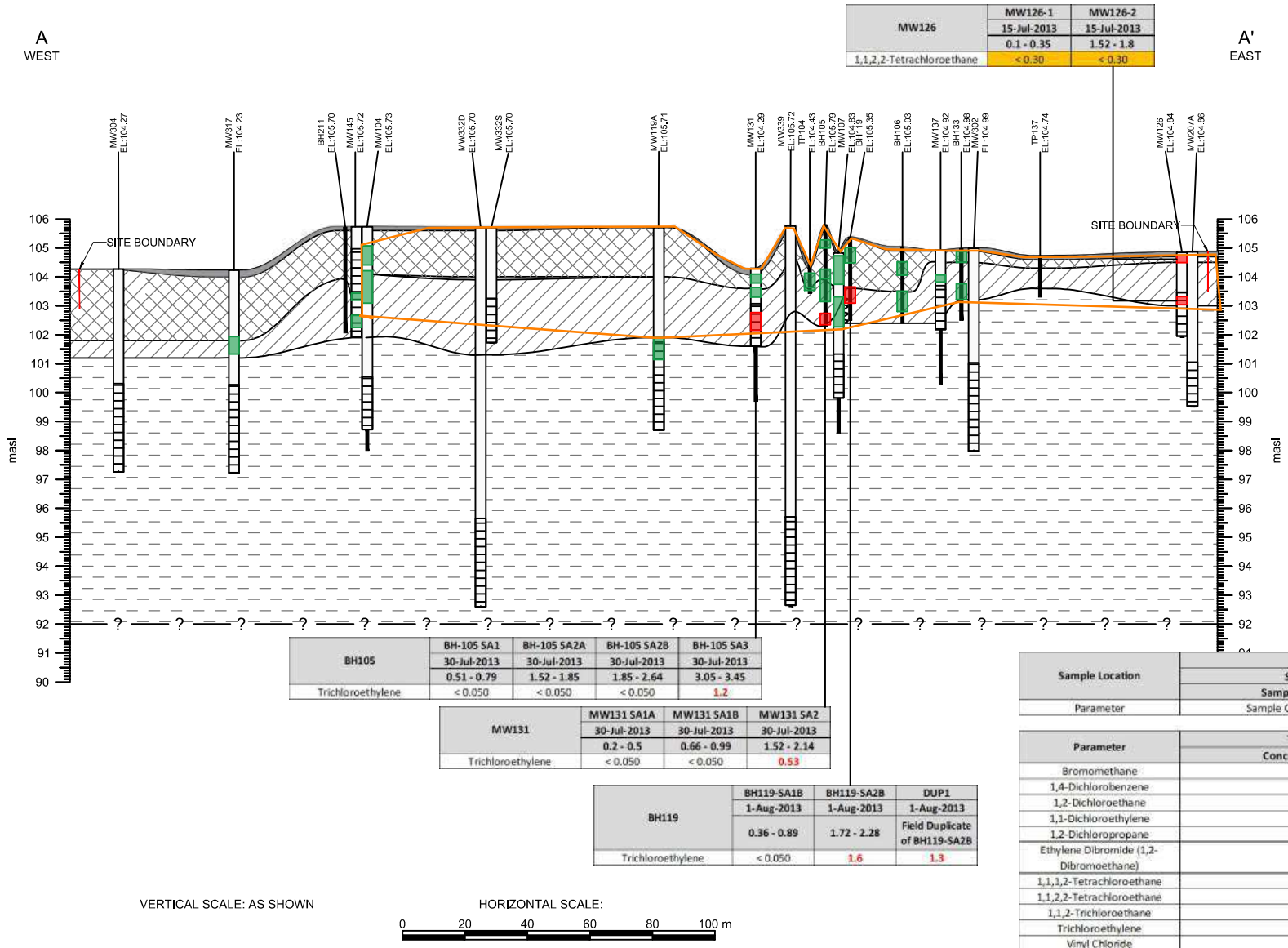
TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
VOLATILE ORGANIC COMPOUNDS (VOCs)
- DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	8E



MW126	MW126-1	MW126-2
	15-Jul-2013	15-Jul-2013
	0.1 - 0.35	1.52 - 1.8
1,1,2,2-Tetrachloroethane	< 0.30	< 0.30

BH105	BH-105 SA1	BH-105 SA2A	BH-105 SA2B	BH-105 SA3
	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.51 - 0.79	1.52 - 1.85	1.85 - 2.64	3.05 - 3.45
Trichloroethylene	< 0.050	< 0.050	< 0.050	1.2

MW131	MW131 SA1A	MW131 SA1B	MW131 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.2 - 0.5	0.66 - 0.99	1.52 - 2.14
Trichloroethylene	< 0.050	< 0.050	0.53

BH119	BH119-SA1B	BH119-SA2B	DUP1
	1-Aug-2013	1-Aug-2013	1-Aug-2013
	0.36 - 0.89	1.72 - 2.28	Field Duplicate of BH119-SA2B
Trichloroethylene	< 0.050	1.6	1.3

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION A-A'
SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 8F

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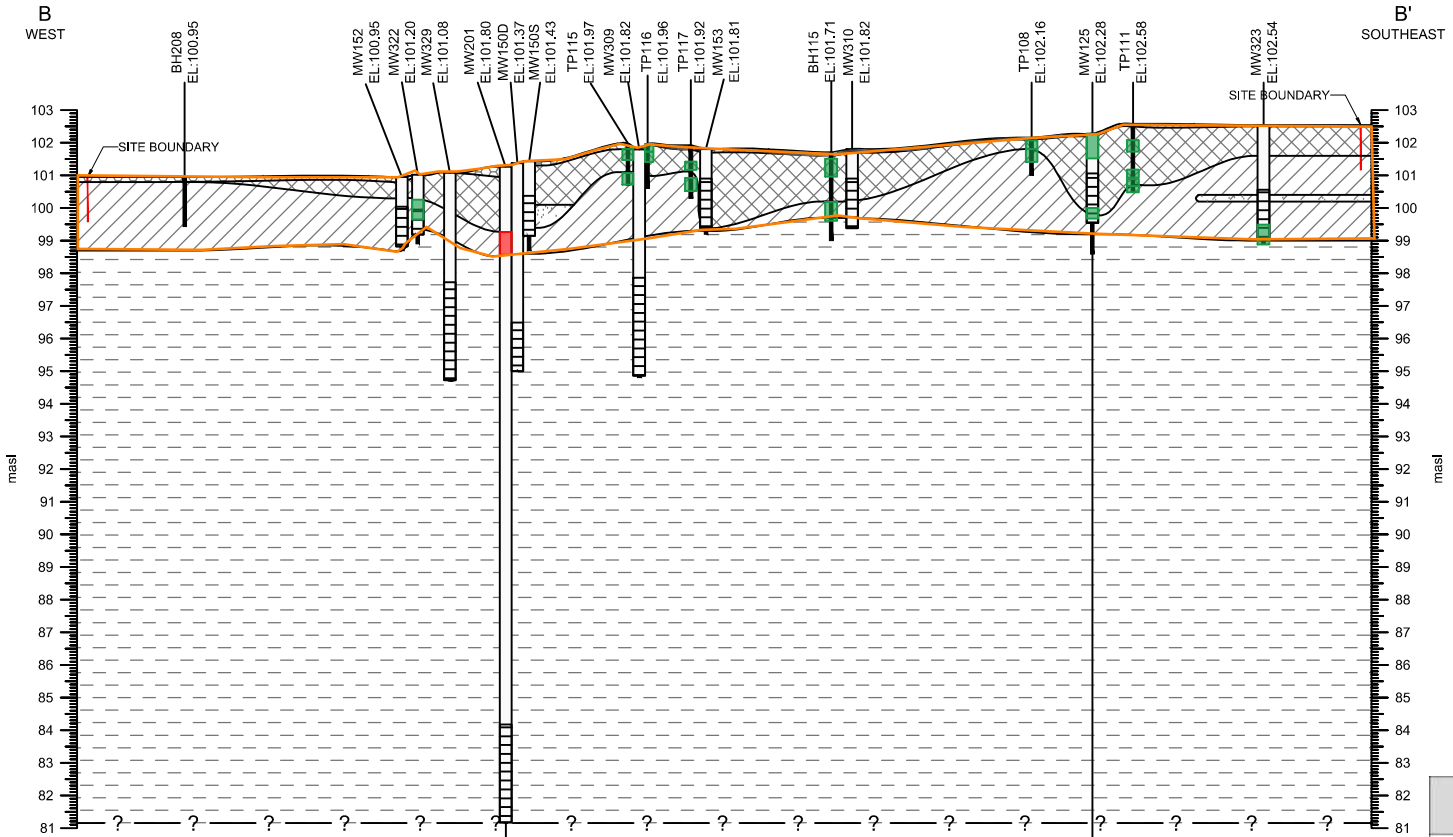

MW201	MW201 S4	DUP-1
	29-Jan-2015	29-Jan-2015
	2.0 - 2.7	Field Duplicate of MW201 S4
1,1-Dichloroethylene	<0.050	0.089
1,1,2-Trichloroethane	0.14	0.44
Trichloroethylene	1.5	1.9
Vinyl Chloride	<0.020	0.038

MW125	MW125-1	MW125-2
	8-Jul-2013	8-Jul-2013
	0 - 0.76	2.28 - 2.6
Bromomethane	< 0.10	< 0.050
1,4-Dichlorobenzene	< 0.10	< 0.050
1,2-Dichloroethane	< 0.10	< 0.050
1,1-Dichloroethylene	< 0.10	< 0.050
1,2-Dichloropropane	< 0.10	< 0.050
Ethylene Dibromide (1,2-Dibromoethane)	< 0.10	< 0.050
1,1,1,2-Tetrachloroethane	< 0.10	< 0.050
1,1,2,2-Tetrachloroethane	< 0.10	< 0.050
1,1,2-Trichloroethane	< 0.10	< 0.050
1,3-Dichloropropene	< 0.10	< 0.050

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 10 20 30 40 50 60 m

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LEGEND:

- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION B-B'
SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 8G

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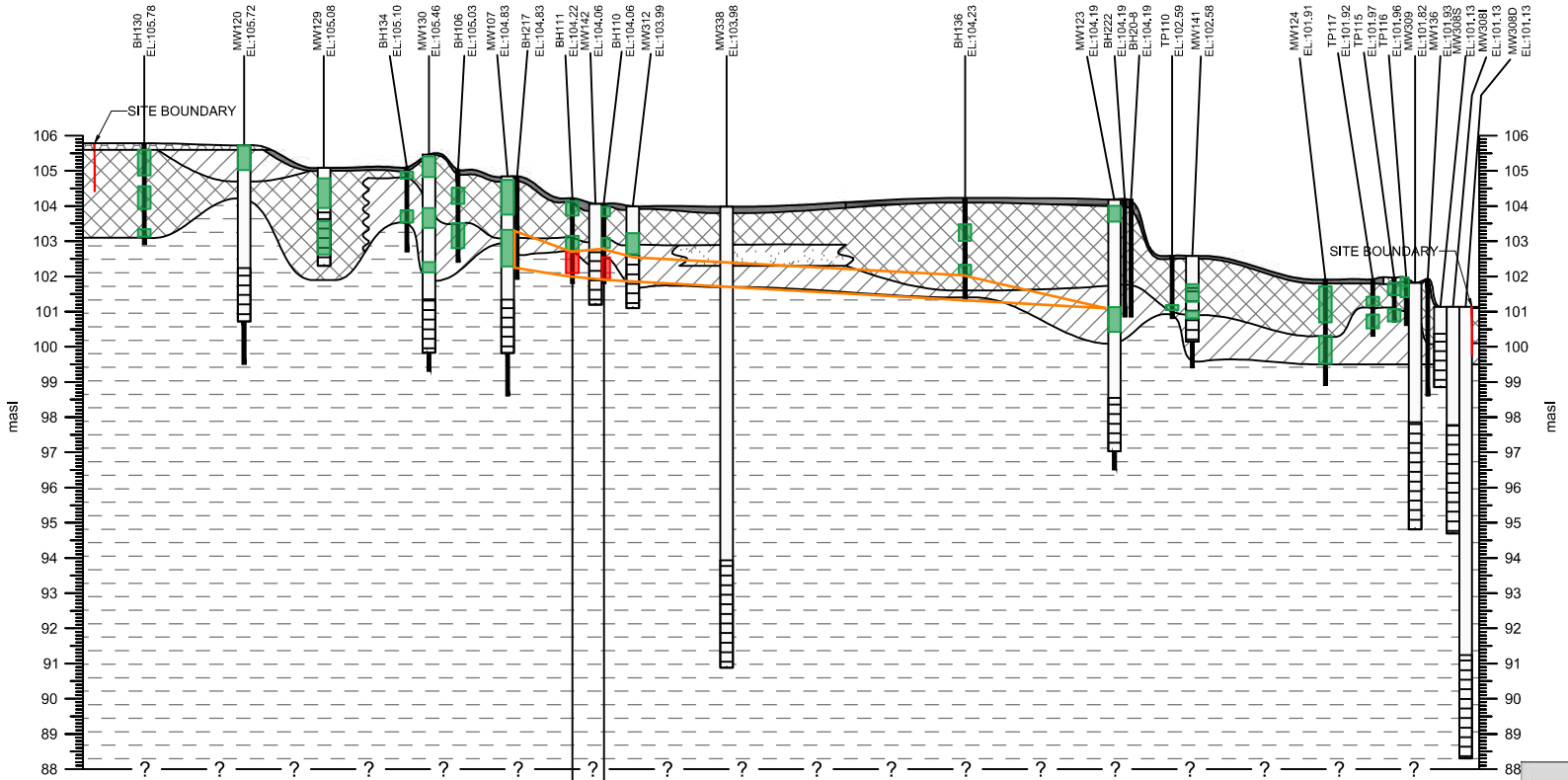
C
NORTHEAST

C'
SOUTHWEST



BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
Trichloroethylene	< 0.050	< 0.050	13

BH110	BH110SA1A	BH110 SA1B	BH110 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13
Trichloroethylene	< 0.050	0.21	19
Vinyl Chloride	< 0.020	< 0.020	0.078

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED: Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

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LEGEND:

- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION C-C'
SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	8H

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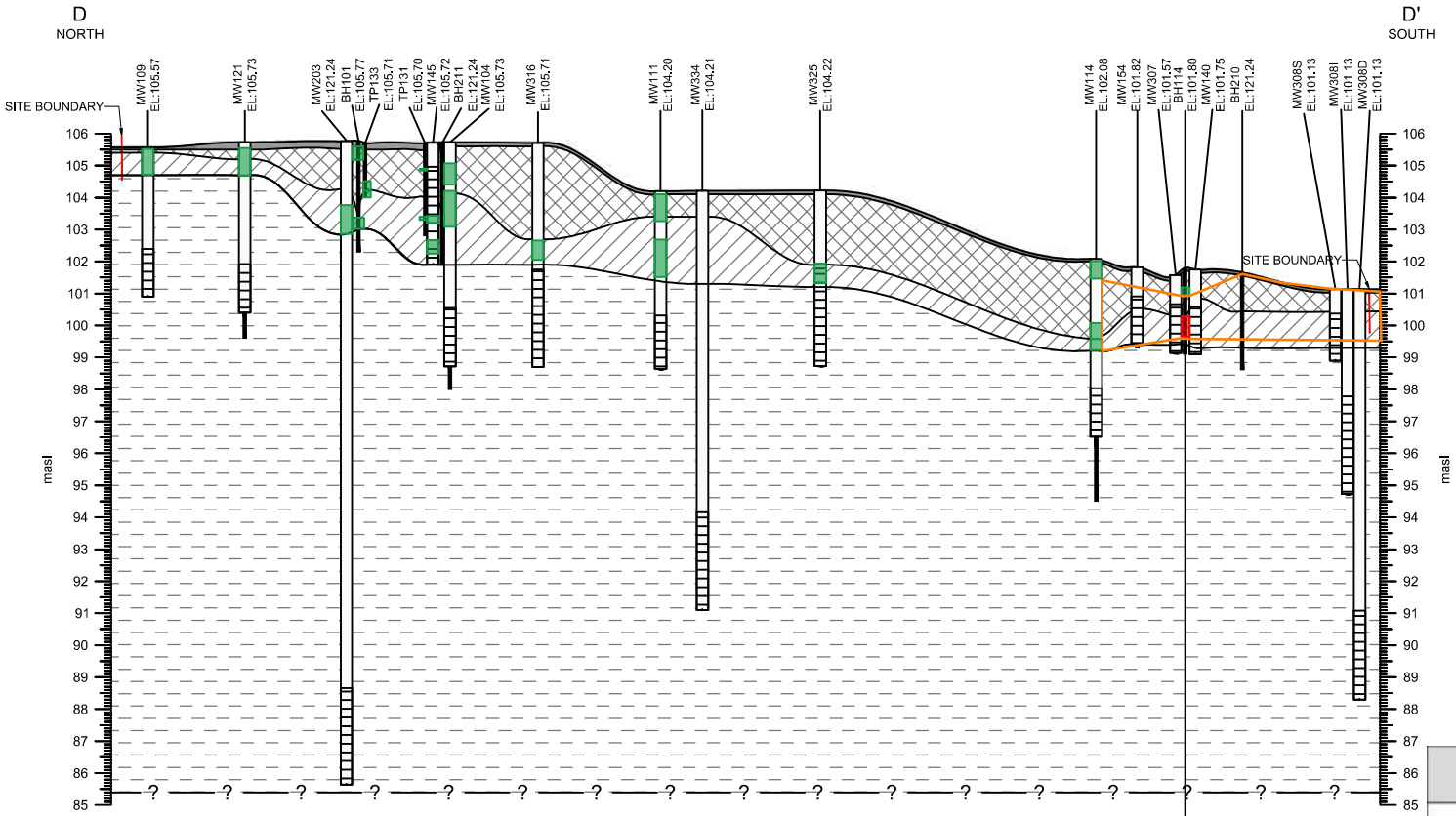

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
1,1,2,2-Tetrachloroethane	< 0.28	< 0.050
1,1,2-Trichloroethane	< 0.070	< 0.050
Vinyl Chloride	< 0.020	0.17

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Bromomethane	0.05
1,4-Dichlorobenzene	0.097
1,2-Dichloroethane	0.05
1,1-Dichloroethylene	0.05
1,2-Dichloropropane	0.085
Ethylene Dibromide (1,2-Dibromoethane)	0.05
1,1,1,2-Tetrachloroethane	0.05
1,1,2,2-Tetrachloroethane	0.05
1,1,2-Trichloroethane	0.05
Trichloroethylene	0.52
Vinyl Chloride	0.022
1,3-Dichloropropene	0.081

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED Exceedance of O.Reg 153/04 Table 2 SCS RPI

Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION D-D'
SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 8I

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Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
	Reporting Detection Limit is greater than the Table 2 SCS

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- AREA OF CONTAMINATION (PAHs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 9A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
	Reporting Detection Limit is greater than the Table 2 SCS

MW145	MW145 SA4A	MW145 SA5
	9-Oct-2013	9-Oct-2013
	2.29 - 2.53	3.05 - 3.47
Benzo(a)pyrene	0.5	< 0.0050

QUEEN ELIZABETH WAY

S SERVICE RD E

DAVIS RD

MW109 0.05-0.85
MW133 0.18-1.07 1.52-2.29
MW132D ~0.05-1.02 1.63-2.24
MW121 0.18-1.04
TP129 1-1.1 1.15-1.25
BH141 ~0.16-0.35 0.85-1.22
TP130 0.9-1 1.1-1.2
TP127 2.1-2.3
MW122 0-0.92
MW203 0.3-1.5
MW103 0.13-0.97 1.54-2.21
BH101 0.17-0.59 2.4-2.75
TP133 ~1.2-1.5 1.5-1.7
TP134 1.1-1.2 1.35-1.5
BH103 0.1-0.92
BH122 1.52-2.33 2.34-2.87
TP131 0.8-0.85 2.3-2.4
BH102 0.13-0.58 1.78-2.43
MW119D 0.12-0.92 3.5-3.95
MW145 2.29-2.53 3.05-3.47
MW104 0.66-1.32 1.52-2.64
MW112 0.05-1.7
MW204 0.2-0.6
TP126 ~1.8-1.9
MW139 0.7-0.92
BH138 0.75-1.22 1.22-1.41
MW111 0.1-0.94 1.52-2.69
BH137 0.8-1.1 1.3-1.7
MW202 ~0.6-1.2

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- AREA OF CONTAMINATION (PAHs IN SOIL)
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) - DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 9B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
	Reporting Detection Limit is greater than the Table 2 SCS

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MW115 0.2-0.8
MW117 0-0.7
BH130 1.22-1.86 2.44-2.65 0.18-0.91
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW101 0.13-0.46 1.524-1.98
MW116 0.2-0.9
BH121 0.13-0.61 2.06-2.75
MW120 0-0.7
BH131 0.19-0.66 1.22-1.62
BH128 0.14-1.08 1.52-2.15
BH127 0.2-0.5 0.5-1.25
MW128 0.2-0.85
MW105 0.1-0.57 1.5-2.25
MW127 0.1-0.45
TP128 1.65-1.75
MW129 0.3-1.14 1.52-2.46
BH132 1.22-1.7
BH129 0.38-1.54 1.54-2.44
TP138 0.5-0.6
BH120 0.13-0.43
MW102 0.1-1.07 1.524-2.72
BH104 0.15-0.69 1.52-2.69
MW118 0.16-0.75
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
MW130 0.05-0.64 1.52-2.08
BH134 0.12-0.32 1.22-1.57
BH133 0.1-0.48 1.22-1.76
MW137 0.85-1.1
MW131 0.2-0.5 0.66-0.99 1.52-2.14
TP104 0.3-0.8 0.8-0.9
BH119 0.36-0.89 ~1.72-2.28
MW207 0.5-1.5
MW126 0.1-0.35 1.52-1.8
BH106 0.51-0.97 1.52-2.23
MW106 0.08-0.84 1.52-1.82
MW107 0.1-1.09 1.52-2.56
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
BH107 0.05-0.56 1.52-2.03
D1 0-0.2
BH140 0.61-0.96
TP103 0.5-1.1 1.1-1.4
BH124 0.09-1.25 1.52-1.98
BH110 0.08-0.35 0.97-1.25 1.52-2.13
BH111 0.08-0.49 1.07-1.5 1.52-2.03
D2 0-0.2

MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
Benzo(a)pyrene	0.34	< 0.0050
Fluoranthene	1.1	0.0064

D1	D1-0-0.2
	23-Jul-2013
	0 - 0.2
Benzo(a)anthracene	1.8
Benzo(a)pyrene	1.2
Benzo(b/j)fluoranthene	1.9
Dibenz(a,h)anthracene	0.12
Fluoranthene	4.9
Indeno(1,2,3-cd)pyrene	0.52

TP103	TP103-1	TP103-2
	22-Jul-2013	22-Jul-2013
	0.5 - 1.1	1.1 - 1.4
Anthracene	0.88	< 0.0050
Benzo(a)anthracene	2	< 0.0050
Benzo(a)pyrene	1.6	< 0.0050
Benzo(b/j)fluoranthene	2.5	< 0.0050
Dibenz(a,h)anthracene	0.22	< 0.0050
Fluoranthene	4.5	< 0.0050
Indeno(1,2,3-cd)pyrene	0.93	< 0.0050

D2	D2-0-0.2
	24-Jul-2013
	0 - 0.2
Benzo(a)pyrene	0.4
Fluoranthene	1.1

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N

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- AREA OF CONTAMINATION (PAHs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) - DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 9C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
	Reporting Detection Limit is greater than the Table 2 SCS

MW134	MW134-1	MW134-2
	6-Aug-2013	6-Aug-2013
	0.1 - 0.7	2 - 2.6
Benzo(a)pyrene	0.52	< 0.0050
Fluoranthene	1.2	< 0.0050

TP121	TP121-1	TP121-2	TP121-3
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0 - 0.2	0.2 - 0.6	1 - 1.3
Benzo(a)anthracene	1	0.037	< 0.0050
Benzo(a)pyrene	0.99	0.038	< 0.0050
Benzo(b/j)fluoranthene	1.4	0.044	< 0.0050
Dibenz(a,h)anthracene	0.15	< 0.0050	< 0.0050
Fluoranthene	2.5	0.085	0.0059
Indeno(1,2,3-cd)pyrene	0.63	0.029	< 0.0050

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
Anthracene	1.3	< 0.0050	< 0.0050
Benzo(a)anthracene	3.7	0.0055	< 0.0050
Benzo(a)pyrene	3.2	< 0.0050	< 0.0050
Benzo(b/j)fluoranthene	4	< 0.0050	< 0.0050
Benzo(k)fluoranthene	1.6	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.55	< 0.0050	< 0.0050
Fluoranthene	6.6	0.077	0.0058
Indeno(1,2,3-cd)pyrene	2	< 0.0050	< 0.0050

TP122	TP122-1	TPW-1	TP122-2
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0.1 - 0.5	Field Duplicate of TP122-1	0.7 - 0.8
Anthracene	0.2	1.2	< 0.0050
Benzo(a)anthracene	0.47	2.1	0.013
Benzo(a)pyrene	0.41	1.7	0.012
Benzo(b/j)fluoranthene	0.53	1.9	0.023
Dibenz(a,h)anthracene	0.059	0.17	< 0.0050
Fluoranthene	1.2	5.4	0.035
Indeno(1,2,3-cd)pyrene	0.24	0.8	0.011

BH135	BH135-1	BH135-2
	13-Aug-2013	13-Aug-2013
	1.22 - 1.75	2 - 2.4
Benzo(a)pyrene	0.49	0.2
Fluoranthene	1.4	0.56

BH115	BH115-1	BH115-2
	3-Jul-2013	3-Jul-2013
	0.2 - 0.75	1.52 - 2.1
Benzo(a)anthracene	1.2	< 0.0050
Benzo(a)pyrene	1	< 0.0050
Benzo(b/j)fluoranthene	1.4	< 0.0050
Dibenz(a,h)anthracene	0.18	< 0.0050
Fluoranthene	2.6	< 0.0050
Indeno(1,2,3-cd)pyrene	0.64	< 0.0050

TP109	TP109-1	TP109-2	TP109-3
	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.07 - 0.2	0.3 - 1	1.85 - 2
Fluoranthene	0.14	0.9	< 0.0050

TP110	TP110-1	TPR-1
	24-Jul-2013	24-Jul-2013
	1.4 - 1.55	Field Duplicate of TP110-1
Acenaphthylene	< 1.3	< 0.0050
Anthracene	6.3	0.066
Benzo(a)anthracene	21	0.22
Benzo(a)pyrene	16	0.17
Benzo(b/j)fluoranthene	27	0.22
Benzo(ghi)perylene	11	0.092
Benzo(k)fluoranthene	11	0.077
Chrysene	21	0.19
Dibenz(a,h)anthracene	2.5	0.023
Fluoranthene	61	0.46
Indeno(1,2,3-cd)pyrene	12	0.11
Naphthalene	< 1.3	0.016
Phenanthrene	47	0.2

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N

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- AREA OF CONTAMINATION (PAHs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) - DETAIL MAP 3

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 9D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
	Reporting Detection Limit is greater than the Table 2 SCS

D3	D3-0-0.2
	24-Jul-2013
	0 - 0.2
Fluoranthene	0.7

BH117	BH117 SA1A	BH117SA1B	BH117SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.59	1.35 - 1.52	1.52 - 1.82
Fluoranthene	0.99	< 0.0050	0.0076

D5	D5-0-0.1
	24-Jul-2013
	0 - 0.1
Benzo(a)pyrene	0.34
Fluoranthene	1.2

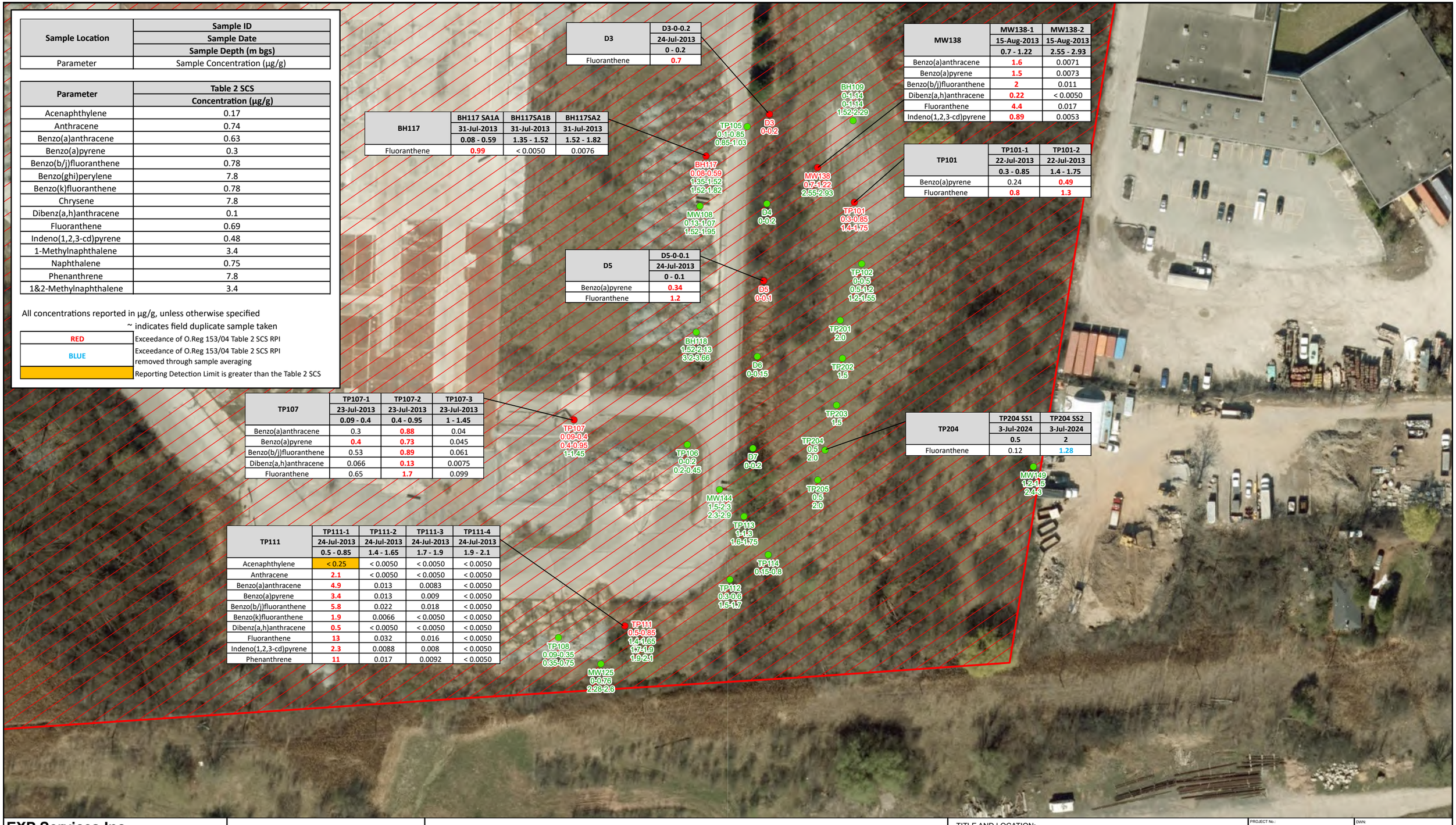
TP107	TP107-1	TP107-2	TP107-3
	23-Jul-2013	23-Jul-2013	23-Jul-2013
	0.09 - 0.4	0.4 - 0.95	1 - 1.45
Benzo(a)anthracene	0.3	0.88	0.04
Benzo(a)pyrene	0.4	0.73	0.045
Benzo(b/j)fluoranthene	0.53	0.89	0.061
Dibenz(a,h)anthracene	0.066	0.13	0.0075
Fluoranthene	0.65	1.7	0.099

TP111	TP111-1	TP111-2	TP111-3	TP111-4
	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.5 - 0.85	1.4 - 1.65	1.7 - 1.9	1.9 - 2.1
Acenaphthylene	< 0.25	< 0.0050	< 0.0050	< 0.0050
Anthracene	2.1	< 0.0050	< 0.0050	< 0.0050
Benzo(a)anthracene	4.9	0.013	0.0083	< 0.0050
Benzo(a)pyrene	3.4	0.013	0.009	< 0.0050
Benzo(b/j)fluoranthene	5.8	0.022	0.018	< 0.0050
Benzo(k)fluoranthene	1.9	0.0066	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.5	< 0.0050	< 0.0050	< 0.0050
Fluoranthene	13	0.032	0.016	< 0.0050
Indeno(1,2,3-cd)pyrene	2.3	0.0088	0.008	< 0.0050
Phenanthrene	11	0.017	0.0092	< 0.0050

MW138	MW138-1	MW138-2
	15-Aug-2013	15-Aug-2013
	0.7 - 1.22	2.55 - 2.93
Benzo(a)anthracene	1.6	0.0071
Benzo(a)pyrene	1.5	0.0073
Benzo(b/j)fluoranthene	2	0.011
Dibenz(a,h)anthracene	0.22	< 0.0050
Fluoranthene	4.4	0.017
Indeno(1,2,3-cd)pyrene	0.89	0.0053

TP101	TP101-1	TP101-2
	22-Jul-2013	22-Jul-2013
	0.3 - 0.85	1.4 - 1.75
Benzo(a)pyrene	0.24	0.49
Fluoranthene	0.8	1.3

TP204	TP204 SS1	TP204 SS2
	3-Jul-2024	3-Jul-2024
	0.5	2
Fluoranthene	0.12	1.28



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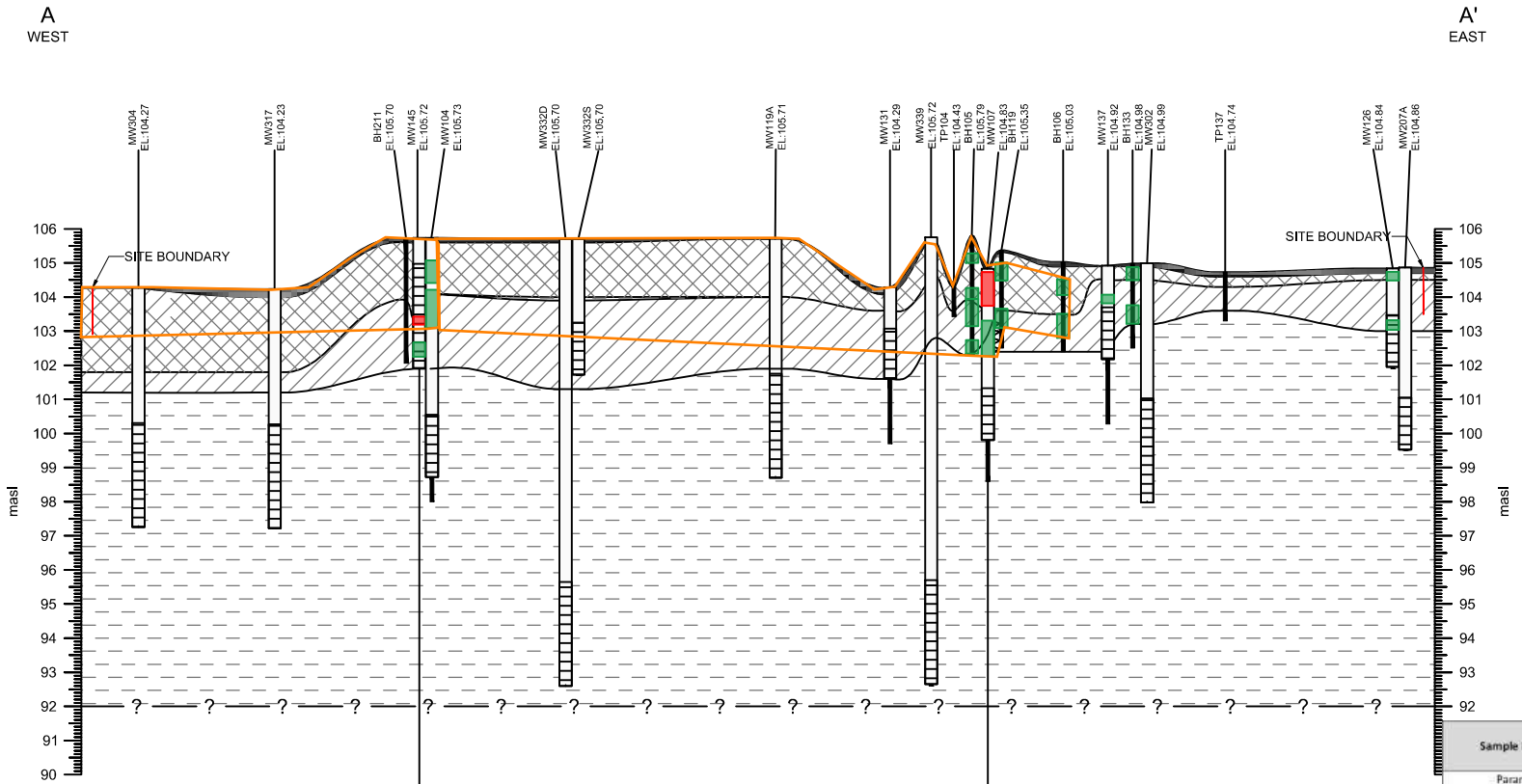
0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- AREA OF CONTAMINATION (PAHs IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) - DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 9E



MW145	MW145 SA4A	MW145 SA5
	9-Oct-2013	9-Oct-2013
	2.29 - 2.53	3.05 - 3.47
Benzo(a)pyrene	0.5	< 0.0050

MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
Benzo(a)pyrene	0.34	< 0.0050
Fluoranthene	1.1	0.0064

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified
" indicates field duplicate sample taken
RED: Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE: Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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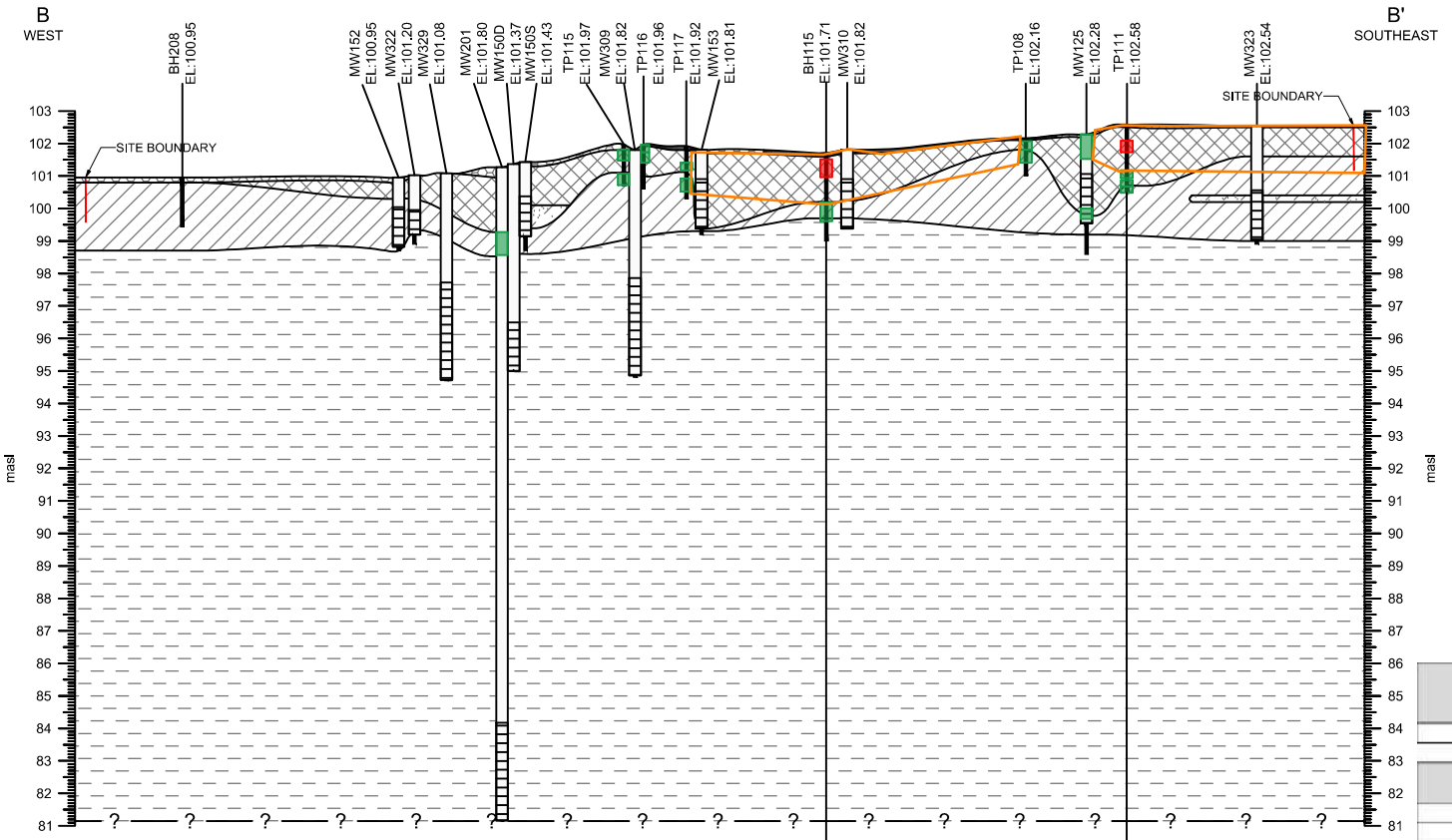
LEGEND:
- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:
CROSS SECTION A-A'
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 9F

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg



BH115	BH115-1	BH115-2
	3-Jul-2013	3-Jul-2013
	0.2 - 0.75	1.52 - 2.1
Benzo(a)anthracene	1.2	< 0.0050
Benzo(a)pyrene	1	< 0.0050
Benzo(b/j)fluoranthene	1.4	< 0.0050
Dibenz(a,h)anthracene	0.18	< 0.0050
Fluoranthene	2.6	< 0.0050
Indeno(1,2,3-cd)pyrene	0.64	< 0.0050

TP111	TP111-1	TP111-2	TP111-3	TP111-4
	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.5 - 0.85	1.4 - 1.65	1.7 - 1.9	1.9 - 2.1
Acenaphthylene	< 0.25	< 0.0050	< 0.0050	< 0.0050
Anthracene	2.1	< 0.0050	< 0.0050	< 0.0050
Benzo(a)anthracene	4.9	0.013	0.0083	< 0.0050
Benzo(a)pyrene	3.4	0.013	0.009	< 0.0050
Benzo(b/j)fluoranthene	5.8	0.022	0.018	< 0.0050
Benzo(k)fluoranthene	1.9	0.0066	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.5	< 0.0050	< 0.0050	< 0.0050
Fluoranthene	13	0.032	0.016	< 0.0050
Indeno(1,2,3-cd)pyrene	2.3	0.0088	0.008	< 0.0050
Phenanthrene	11	0.017	0.0092	< 0.0050

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 10 20 30 40 50 60 m

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
	Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION B-B'
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	9G

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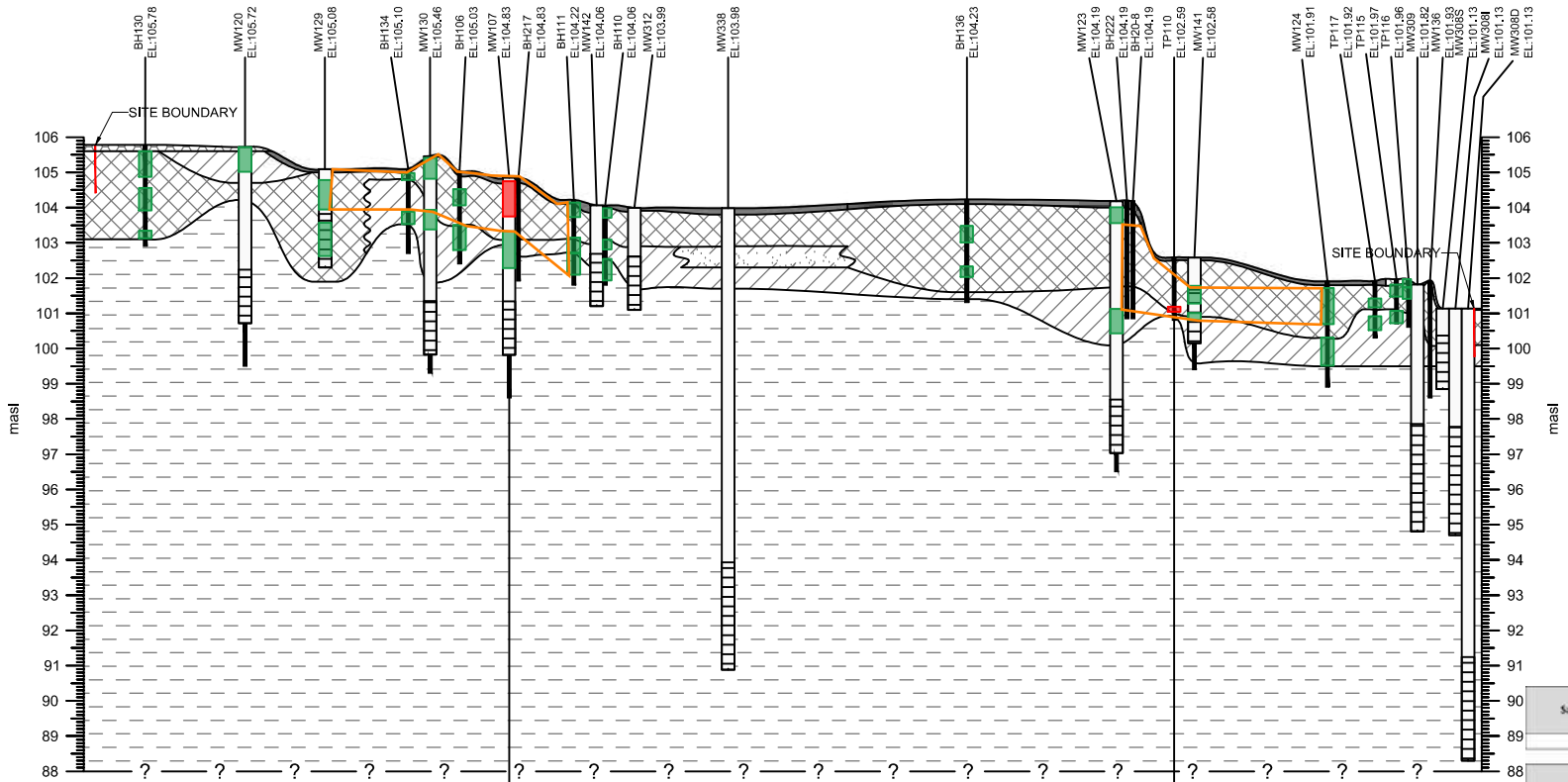
C
NORTHEAST

C'
SOUTHWEST



MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
Benzo(a)pyrene	0.34	< 0.0050
Fluoranthene	1.1	0.0064

TP110	TP110-1	TPR-1
	24-Jul-2013	24-Jul-2013
	1.4 - 1.55	Field Duplicate of TP110-1
Acenaphthylene	< 1.3	< 0.0050
Anthracene	6.3	0.066
Benzo(a)anthracene	21	0.22
Benzo(a)pyrene	16	0.17
Benzo(b/j)fluoranthene	27	0.22
Benzo(ghi)perylene	11	0.092
Benzo(k)fluoranthene	11	0.077
Chrysene	21	0.19
Dibenz(a,h)anthracene	2.5	0.023
Fluoranthene	61	0.46
Indeno(1,2,3-cd)pyrene	12	0.11
Naphthalene	< 1.3	0.016
Phenanthrene	47	0.2

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)enthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
BLUE — Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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LEGEND:
- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:
CROSS SECTION C-C'
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 9H

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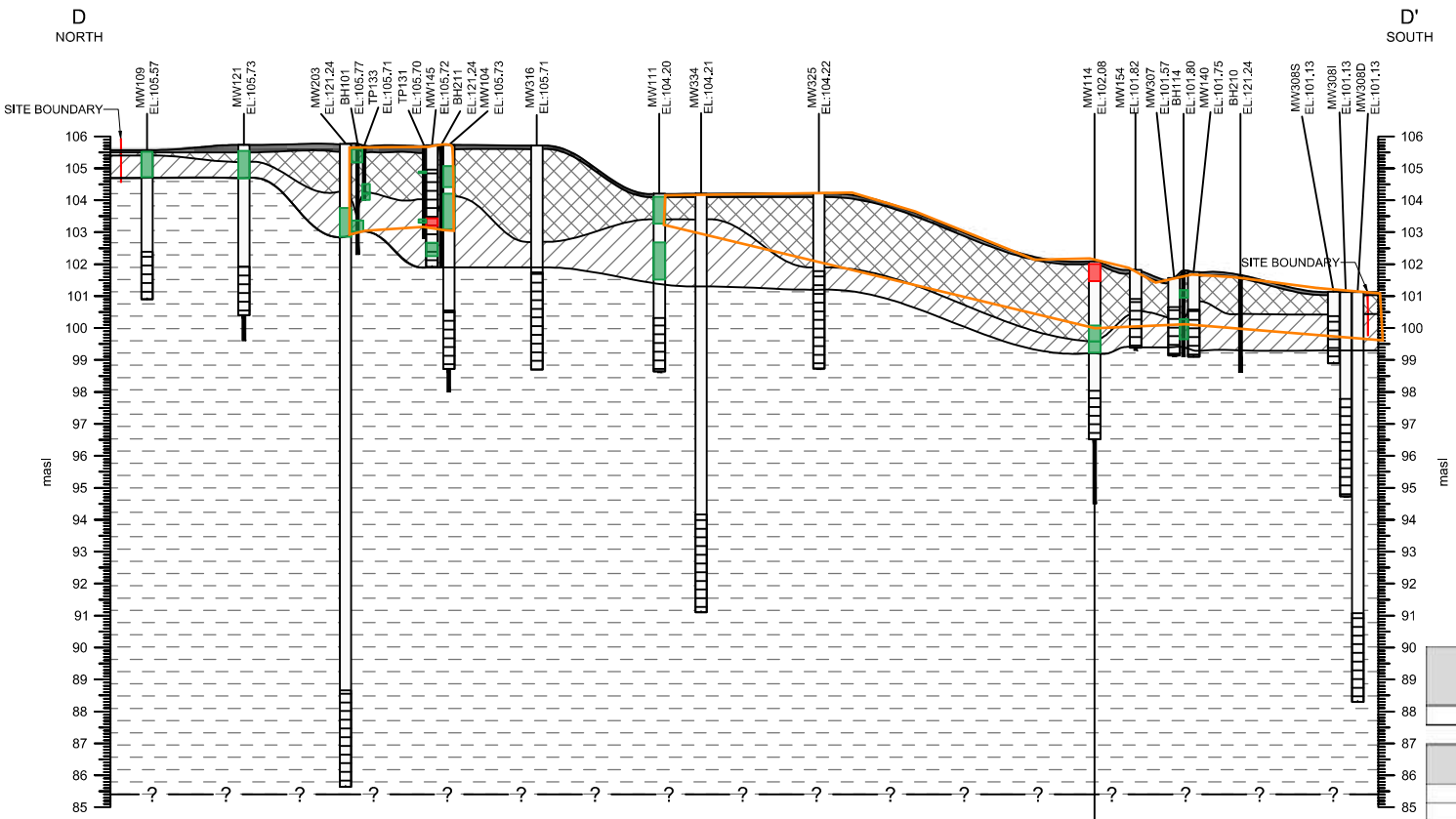

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
Anthracene	1.3	< 0.0050	< 0.0050
Benzo(a)anthracene	3.7	0.0055	< 0.0050
Benzo(a)pyrene	3.2	< 0.0050	< 0.0050
Benzo(b/j)fluoranthene	4	< 0.0050	< 0.0050
Benzo(k)fluoranthene	1.6	< 0.0050	< 0.0050
Dibenz(a,h)anthracene	0.55	< 0.0050	< 0.0050
Fluoranthene	6.6	0.077	0.0058
Indeno(1,2,3-cd)pyrene	2	< 0.0050	< 0.0050

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Acenaphthylene	0.17
Anthracene	0.74
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.3
Benzo(b/j)fluoranthene	0.78
Benzo(ghi)perylene	7.8
Benzo(k)fluoranthene	0.78
Chrysene	7.8
Dibenz(a,h)anthracene	0.1
Fluoranthene	0.69
Indeno(1,2,3-cd)pyrene	0.48
1-Methylnaphthalene	3.4
Naphthalene	0.75
Phenanthrene	7.8
1&2-Methylnaphthalene	3.4

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

BLUE — Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging

Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR PAHs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION D-D'
SOIL ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 9I

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Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- AREA OF CONTAMINATION (METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 10F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - METALS
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 10A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- AREA OF CONTAMINATION (METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 10F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
METALS - DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 10B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- AREA OF CONTAMINATION (METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 10F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - METALS - DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 10C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

BH113 0.07-1.0
MW134 0.1-0.7 2-2.6
BH123 0.05-0.75 0.8-1.22
TP122 ~0.1-0.5 0.7-0.8
MW148S 0.82-1.37 ~2.35-2.74
TP121 0-0.2 0.2-0.6 1-1.3
TP125 0-0.7 0.7-1
TP124 ~0-0.5 0.5-0.7
TP120 0-0.2 0.55-0.8 1.25-1.4
MW135 0-0.55
BH209 0.2-0.8
TP123 0-0.25 0.3-0.6
BH208 0.8-1.5
BH139 0.61-1.22 ~1.57-1.83
MW110D 0.11-0.64 1.52-2.39
BH112 0.18-0.99 1.52-2.54
BH136 0.75-1.22 1.9-2.2
MW114 0.07-0.61 2-2.5 2.5-2.85
BH116 0.16-0.61 ~1.65-4.02 4.02-4.57
MW123 BH222 0.3-1.2 3.05-3.75
MW141 0.8-1.3 1.6-1.8
TP110 ~1.4-1.55
TP109 0.07-0.2 0.3-1 1.85-2
BH135 1.22-1.75 2-2.4
BH114 0.61-0.85 1.52-2.15
TP119 0.2-0.6 0.6-1.7
BH210 1.2-2.4
MW124 0.2-1.22 1.6-2.4
TP115 0.15-0.5 0.9-1.25
TP117 0.5-0.75 1-1.4
BH115 0.2-0.75 1.52-2.1
TP118 0.2-1.4
MW201 0.3-0.8
TP116 0-0.23 0.23-0.55
MW136 1.5-1.5 2.14-2.44

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- AREA OF CONTAMINATION (METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 10F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
METALS - DETAIL MAP 3
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 10D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

TP105 0-0.1 0.85-1.03
BH223 0.8-1.5
D3 0-0.2
BH109 0-1.14 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
D4 0-0.2
MW108 0.13-1.07 1.52-1.95
TP101 0.3-0.65 1.4-1.75
BH219 0.0-0.8
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
TP201 2.0
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP202 1.5
TP203 1.5
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
D7 0-0.2
TP204 0.5 2.0
MW149 1.2-1.5 2.4-3
MW144 1.5-2.3 2.3-2.9
TP205 0.5 2.0
TP113 1-1.3 1.6-1.75
TP114 0.15-0.8
TP112 0.3-0.6 1.5-1.7
BH221 1.1-1.5
TP108 0.09-0.35 0.35-0.75
TP111 0.5-0.85 1.4-1.65 1.7-1.9 1.9-2.1
MW125 0-0.76 2.28-2.6

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- AREA OF CONTAMINATION (METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 10F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
METALS - DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 10E

MW102	MW102-1	MW102-2	OW-MW102-2
	17-Jun-2013	17-Jun-2013	17-Jun-2013
	0.1 - 1.07	1.524 - 2.72	Field Duplicate of MW102-2
Copper	36	200	200

BH104	BH-104 SA1	BH-104 SA2
	29-Jul-2013	29-Jul-2013
	0.15 - 0.69	1.52 - 2.69
Copper	61	250

MW105	MW105-1	MW105-3
	18-Jun-2013	18-Jun-2013
	0.1 - 0.57	1.5 - 2.25
Copper	33	280

MW106	MW106-1	MW106-2
	18-Jun-2013	18-Jun-2013
	0.08 - 0.84	1.52 - 1.82
Copper	110	610

BH105	BH-105 SA1	BH-105 SA2A	BH-105 SA2B	BH-105 SA3
	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.51 - 0.79	1.52 - 1.85	1.85 - 2.64	3.05 - 3.45
Copper	11	15	200	450

BH106	BH106 SA1	BH106 SA1B	BH106 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.05 - 0.25	0.51 - 0.97	1.52 - 2.23
Copper	28	75	250
Lead	21	220	3

MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
Molybdenum	260	42

BH107	BH107 SA1	BH107 SA2
	30-Jul-2013	30-Jul-2013
	0.05 - 0.56	1.52 - 2.03
Copper	190	360

MW108	MW108-1	MW108-2
	18-Jun-2013	18-Jun-2013
	0.13 - 1.07	1.52 - 1.95
Cadmium	1.3	< 0.10

BH108	BH108-SA1A	BH108-SA1B	BH108-SA2A	BH108 SA2B
	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.13 - 0.61	1.24 - 1.52	1.52 - 1.88	1.88 - 2.21
Copper	130	130	220	350

MW109	MW109-1_20130702
	2-Jul-2013
	0.05 - 0.85
Cadmium	12

MW110D	MW110-1	MW110-2
	18-Jun-2013	18-Jun-2013
	0.11 - 0.64	1.52 - 2.39
Copper	12	200

BH110	BH110SA1A	BH110 SA1B	BH110 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13
Cadmium	5.6	< 0.10	< 0.10
Copper	25	130	230
Lead	220	11	2.9
Zinc	2800	79	70

BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
Cadmium	5	0.25	< 0.10
Copper	24	160	380
Lead	210	11	10
Zinc	3000	160	86

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
Cadmium	4.8	< 0.10	< 0.10
Lead	180	3.2	3.1

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Cadmium	8.7	< 0.10
Copper	200	160

MW115	MW115-1
	4-Jul-2013
	0.2 - 0.8
Copper	230

BH116	BH116-1	BH116-2	BH-AK	BH116-3
	8-Jul-2013	8-Jul-2013	8-Jul-2013	8-Jul-2013
	0.16 - 0.61	1.65 - 4.02	Field Duplicate of BH116-2	4.02 - 4.57
Cadmium	< 0.10	0.1	< 0.10	3.8
Copper	11	13	230	240

BH117	BH117 SA1A	BH117SA1B	BH117SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.59	1.35 - 1.52	1.52 - 1.82
Copper	20	590	160

BH118	BH118-SA2	BH118-SA3B
	1-Aug-2013	1-Aug-2013
	1.52 - 2.13	3.2 - 3.66
Copper	200	130

BH119	BH119-SA1B	BH119-SA2B	DUP1
	1-Aug-2013	1-Aug-2013	1-Aug-2013
	0.36 - 0.89	1.72 - 2.28	Field Duplicate of BH119-SA2B
Copper	20	270	1300

BH121	BH121-SA1	BH121-SA2B	DUP 2
	1-Aug-2013	1-Aug-2013	1-Aug-2013
	0.13 - 0.61	2.06 - 2.75	Field Duplicate of BH121-SA2B
Copper	11	250	270

BH122	BH122-SA2A	BH122-SA2B
	2-Aug-2013	2-Aug-2013
	1.52 - 2.33	2.34 - 2.87
Copper	99	210

BH124	BH109 SA1A	BH124-SA1B	BH109 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.09 - 1.25	1.25 - 1.52	1.52 - 1.98
Cadmium	3.5	< 0.10	0.2
Copper	35	450	250
Lead	180	9.2	24
Zinc	2000	65	160

MW126	MW126-1	MW126-2
	15-Jul-2013	15-Jul-2013
	0.1 - 0.35	1.52 - 1.8
Copper	41	330

BH128	BH128-1	BH128-2
	7-Aug-2013	7-Aug-2013
	0.14 - 1.08	1.52 - 2.15
Copper	49	230

MW129	MW129 SA1A	MW129 SA1B	MW129 SA2A
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0.07 - 0.3	0.3 - 1.14	1.52 - 2.46
Copper	14	63	270

BH129	BH129-2	BH129-3
	8-Aug-2013	8-Aug-2013
	0.38 - 1.54	1.54 - 2.44
Copper	47	200

MW131	MW131 SA1A	MW131 SA1B	MW131 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.2 - 0.5	0.66 - 0.99	1.52 - 2.14
Copper	92	130	310
Molybdenum	7	4.9	1.7

MW133	MW133-SA1B	MW133-SA2
	2-Aug-2013	2-Aug-2013
	0.18 - 1.07	1.52 - 2.29
Copper	43	240

BH133	BH133-1	BH133-2
	9-Aug-2013	9-Aug-2013
	0.1 - 0.48	1.22 - 1.76
Copper	46	200

BH134	BH134-1	BH134-2
	9-Aug-2013	9-Aug-2013
	0.12 - 0.32	1.22 - 1.57
Copper	130	310

BH137	BH137-1	BH137-2
	14-Aug-2013	14-Aug-2013
	0.8 - 1.1	1.3 - 1.7
Copper	30	190

MW138	MW138-1	MW138-2
	15-Aug-2013	15-Aug-2013
	0.7 - 1.22	2.55 - 2.93
Copper	140	380

BH141	BH141-1	BHD-1	BH141-2
	19-Aug-2013	19-Aug-2013	19-Aug-2013
	0.16 - 0.35	Field Duplicate of BH141-1	0.85 - 1.22
Copper	9.1	9.9	220

MW207	MW207 S1
	4-Feb-2015
	0.5 - 1.5
Zinc	720

BH213	BH213 S4
	18-Feb-2015
	1.8 - 2.4
Copper	300

BH215	BH215 S2
	13-Feb-2015
	1.2 - 2.4
Copper	190

BH217	BH217 S2
	19-Feb-2015
	0.8 - 1.5
Molybdenum	23

BH218	BH218 S1
	19-Feb-2015
	0.0 - 0.8
Cadmium	5.1
Copper	240
Lead	270
Molybdenum	8.5
Zinc	1200

BH219	BH219 S1
	19-Feb-2015
	0.0 - 0.8
Cadmium	3.7
Molybdenum	12
Zinc	620

D1	D1-0-0.2
	23-Jul-2013
	0 - 0.2
Cadmium	5
Lead	200
Zinc	710

D2	D2-0-0.2
	24-Jul-2013
	0 - 0.2
Copper	250

D4	D4-0-0.2
	24-Jul-2013
	0 - 0.2
Copper	230

D5	D5-0-0.1
	24-Jul-2013
	0 - 0.1
Cadmium	2.3

D6	D6-0-0.15
	24-Jul-2013
	0 - 0.15
Cadmium	2.3
Copper	200

D7	D7-0-0.2
	23-Jul-2013
	0 - 0.2
Cadmium	4.8

TP102	TP102-1	TP102-2	TP102-3
	22-Jul-2013	22-Jul-2013	22-Jul-2013
	0 - 0.5	0.5 - 1.2	1.2 - 1.55
Cadmium	9.7	0.61	0.19

TP103	TP103-1	TP103-2
	22-Jul-2013	22-Jul-2013
	0.5 - 1.1	1.1 - 1.4
Cadmium	280	< 0.10

TP104	TP104-1	TPAD-1	TP104-2
	23-Jul-2013	23-Jul-2013	23-Jul-2013
	0.3 - 0.8	Field Duplicate of TP104-1	0.8 - 0.9
Cadmium	15	21	< 0.10
Copper	35	33	270
Lead	390	770	8
Zinc	8300	12000	97

TP105	TP105-1	TP105-2
	23-Jul-2013	23-Jul-2013
	0.1 - 0.85	0.85 - 1.03
Cadmium	5.9	0.86
Copper	27	290
Lead	580	20
Zinc	3200	160

TP108	TP108-1	TP108-2
	23-Jul-2013	23-Jul-2013
	0.09 - 0.35	0.35 - 0.75
Cadmium	1.8	< 0.10
Lead	330	11
Zinc	880	66

TP109	TP109-1	TP109-2	TP109-3
	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.07 - 0.2	0.3 - 1	1.85 - 2
Cadmium	0.45	2.3	< 0.10
Copper	19	260	240
Lead	46	160	4.4

TP110	TP110-1	TPR-1
	24-Jul-2013	24-Jul-2013
	1.4 - 1.55	Field Duplicate of TP110-1
Copper	170	200

TP120	TP120-1	TP120-2	TP120-3
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0 - 0.2	0.55 - 0.8	1.25 - 1.4
Copper	20	89	210

TP123	TP123-1	TP123-2
	29-Jul-2013	29-Jul-2013
	0 - 0.25	0.3 - 0.6
Cadmium	1.6	< 0.10

TP124	TP124-1	TPY-1	TP124-2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0 - 0.5	Field Duplicate of TP124-1	0.5 - 0.7
Barium	1400	870	100
Cadmium	580	370	3.6
Copper	810	930	140
Lead	300	360	5
Zinc	370	430	71

TP125	TP125-1	TP125-2
	30-Jul-2013	30-Jul-2013
	0 - 0.7	0.7 - 1
Cadmium	0.29	1.6

TP127	TP127-1
	31-Jul-2013
	2.1 - 2.3
Copper	200

TP130	TP130-1	TP130-2
	3-Oct-2013	3-Oct-2013
	0.9 - 1	1.1 - 1.2
Copper	15	270

TP131	TP131-1	TP131-2
	3-Oct-2013	3-Oct-2013
	0.8 - 0.85	2.3 - 2.4
Copper	32	210

TP134	TP134-1	TP134-2
	7-Oct-2013	7-Oct-2013
	1.1 - 1.2	1.35 - 1.5
Lead	8700	13

TP204	TP204 SS1	TP204 SS2
	3-Jul-2024	3-Jul-2024
	0.5	2
Copper	195	79
Molybdenum	1.3	13.1

TP205	TP205 SS1	TP205 SS2
	3-Jul-24	3-Jul-24
	0.5	2
Copper	630	73.9
Molybdenum	0.9	14.1

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Reporting Detection Limit is greater than the Table 2 SCS

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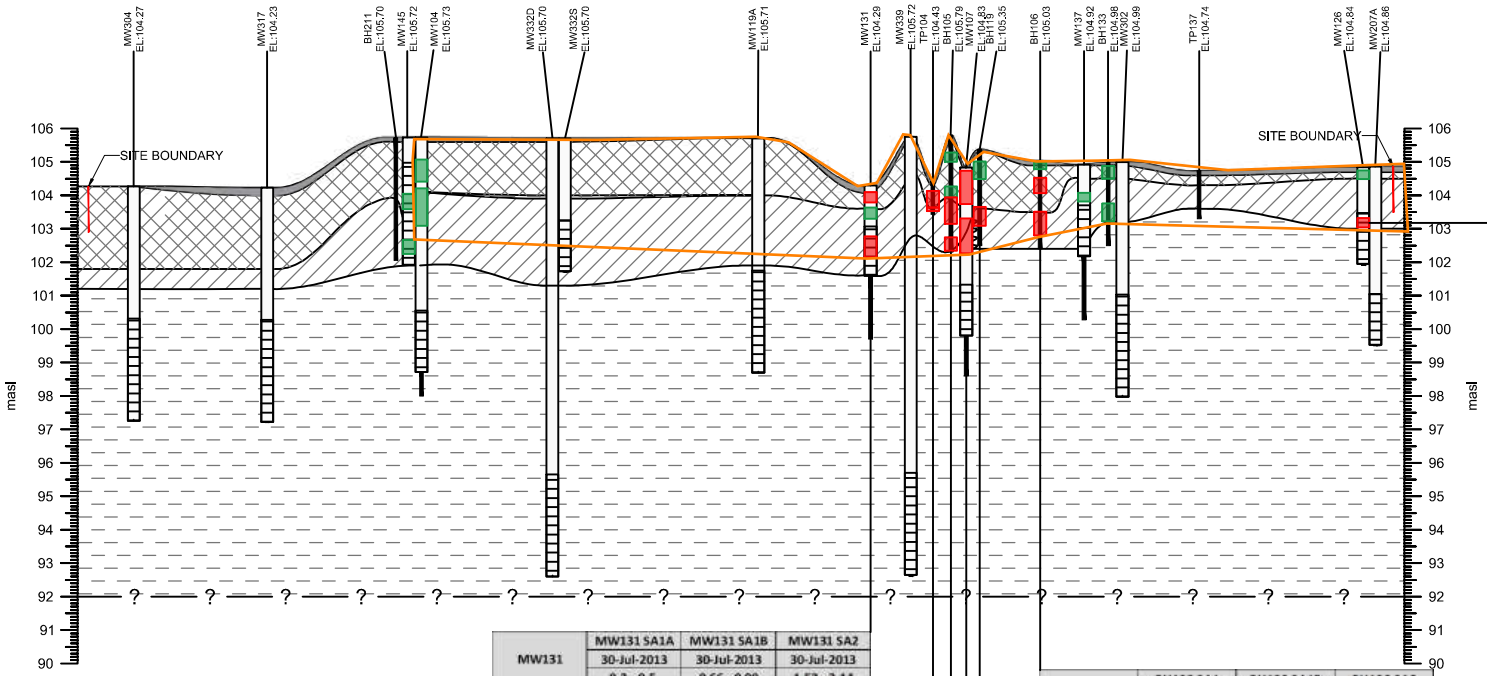
TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
METALS - EXCEEDANCES
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
NOT APPLICABLE	JH
DATE:	FIG. No.:
AUGUST 2024	10F

A
WEST

A'
EAST



MW131	MW131 SA1A	MW131 SA1B	MW131 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.2 - 0.5	0.66 - 0.99	1.52 - 2.14
Copper	92	130	310
Molybdenum	7	4.9	1.7

MW126	MW126-1	MW126-2
	15-Jul-2013	15-Jul-2013
	0.1 - 0.35	1.52 - 1.8
Copper	41	330

BH106	BH106 SA1	BH106 SA1B	BH106 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.05 - 0.25	0.51 - 0.97	1.52 - 2.23
Copper	28	75	250
Lead	21	220	3

BH119	BH119-SA1B	BH119-SA2B	DUP1
	1-Aug-2013	1-Aug-2013	1-Aug-2013
	0.36 - 0.89	1.72 - 2.28	Field Duplicate of BH119-SA2B
Copper	20	270	1300

TP104	TP104-1	TPAD-1	TP104-2
	23-Jul-2013	23-Jul-2013	23-Jul-2013
	0.3 - 0.8	Field Duplicate of TP104-1	0.8 - 0.9
Cadmium	15	21	< 0.10
Copper	35	33	270
Lead	390	770	8
Zinc	8300	12000	97

MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
Molybdenum	260	42

BH105	BH-105 SA1	BH-105 SA2A	BH-105 SA2B	BH-105 SA3
	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.51 - 0.79	1.52 - 1.85	1.85 - 2.64	3.05 - 3.45
Copper	11	15	200	450

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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LEGEND:
- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION A-A'
SOIL ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 10G

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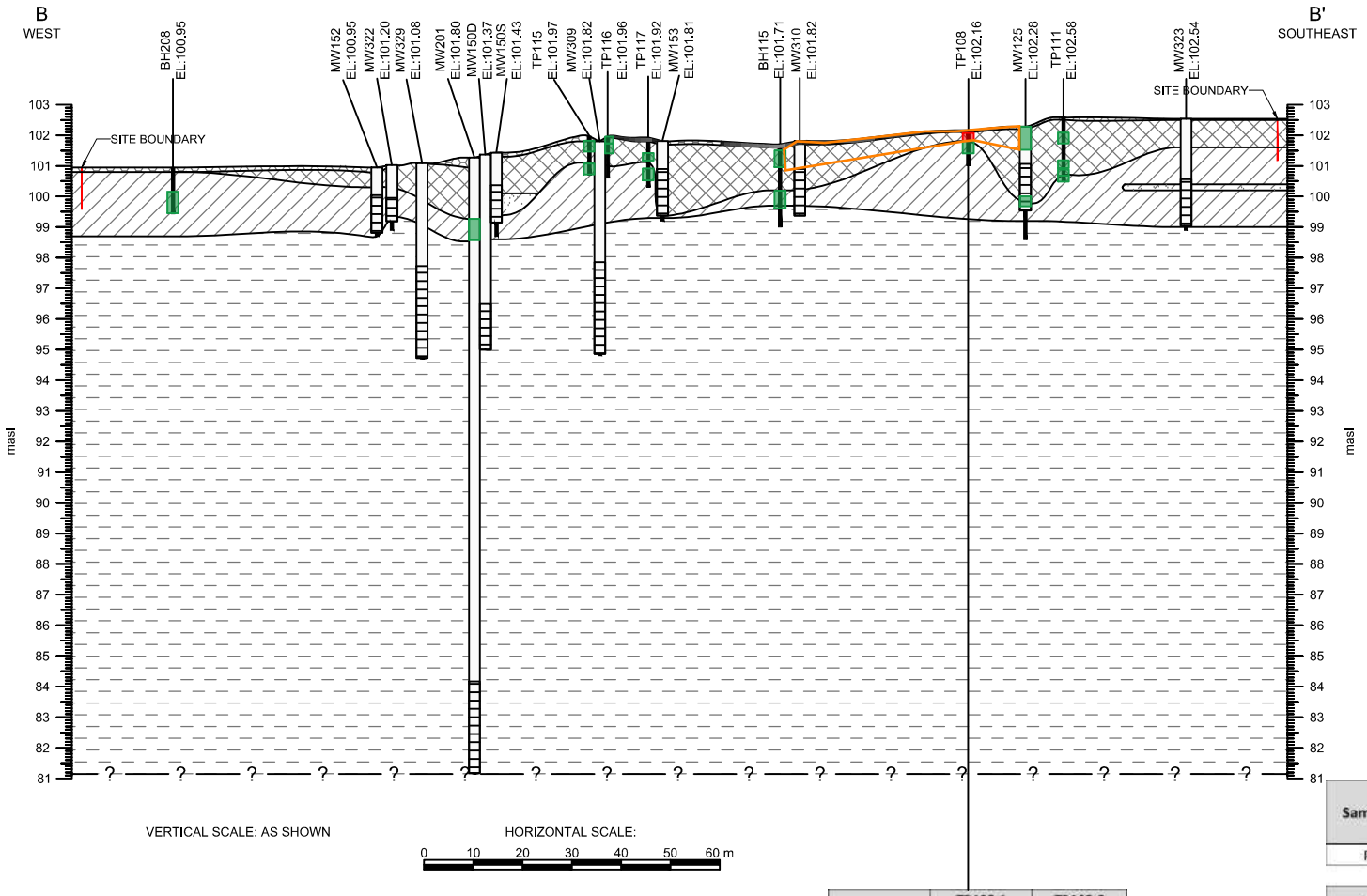

TP108	TP108-1	TP108-2
	23-Jul-2013	23-Jul-2013
	0.09 - 0.35	0.35 - 0.75
Cadmium	1.8	< 0.10
Lead	330	11
Zinc	880	66

Sample Location	Sample ID Sample Date Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:
- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION B-B'
SOIL ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 10H

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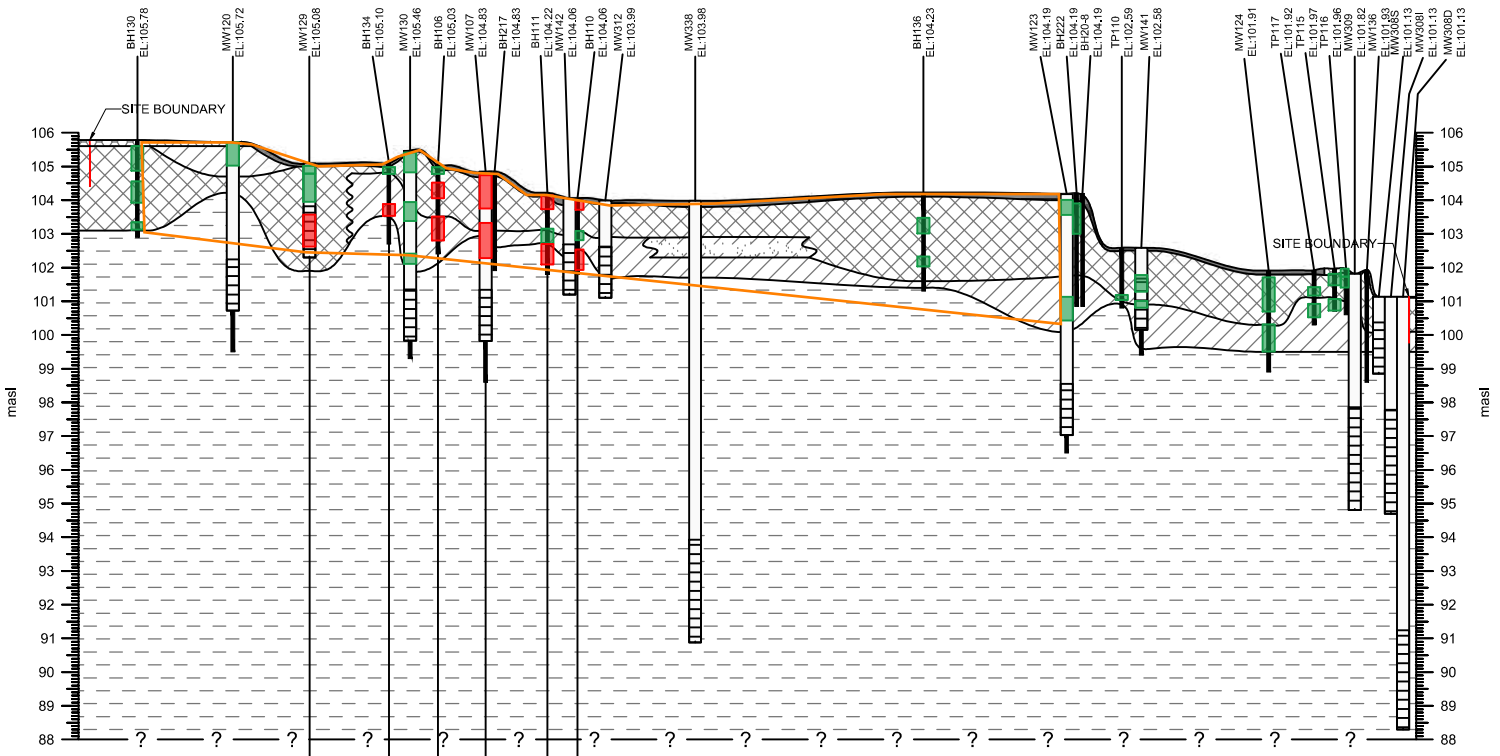
C
NORTHEAST

C'
SOUTHWEST



MW129	MW129 SA1A	MW129 SA1B	MW129 SA2A
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0.07 - 0.3	0.3 - 1.14	1.52 - 2.46
Copper	14	63	270

BH110	BH110SA1A	BH110 SA1B	BH110 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13
Cadmium	5.6	< 0.10	< 0.10
Copper	25	130	230
Lead	220	11	2.9
Zinc	2800	79	70

BH134	BH134-1	BH134-2
	9-Aug-2013	9-Aug-2013
	0.12 - 0.32	1.22 - 1.57
Copper	130	310

BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
Cadmium	5	0.25	< 0.10
Copper	24	160	380
Lead	210	11	10
Zinc	3000	160	86

BH106	BH106 SA1	BH106 SA1B	BH106 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.05 - 0.25	0.51 - 0.97	1.52 - 2.23
Copper	28	75	250
Lead	21	220	3

MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
Molybdenum	260	42

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED: Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION C-C'
SOIL ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	10I

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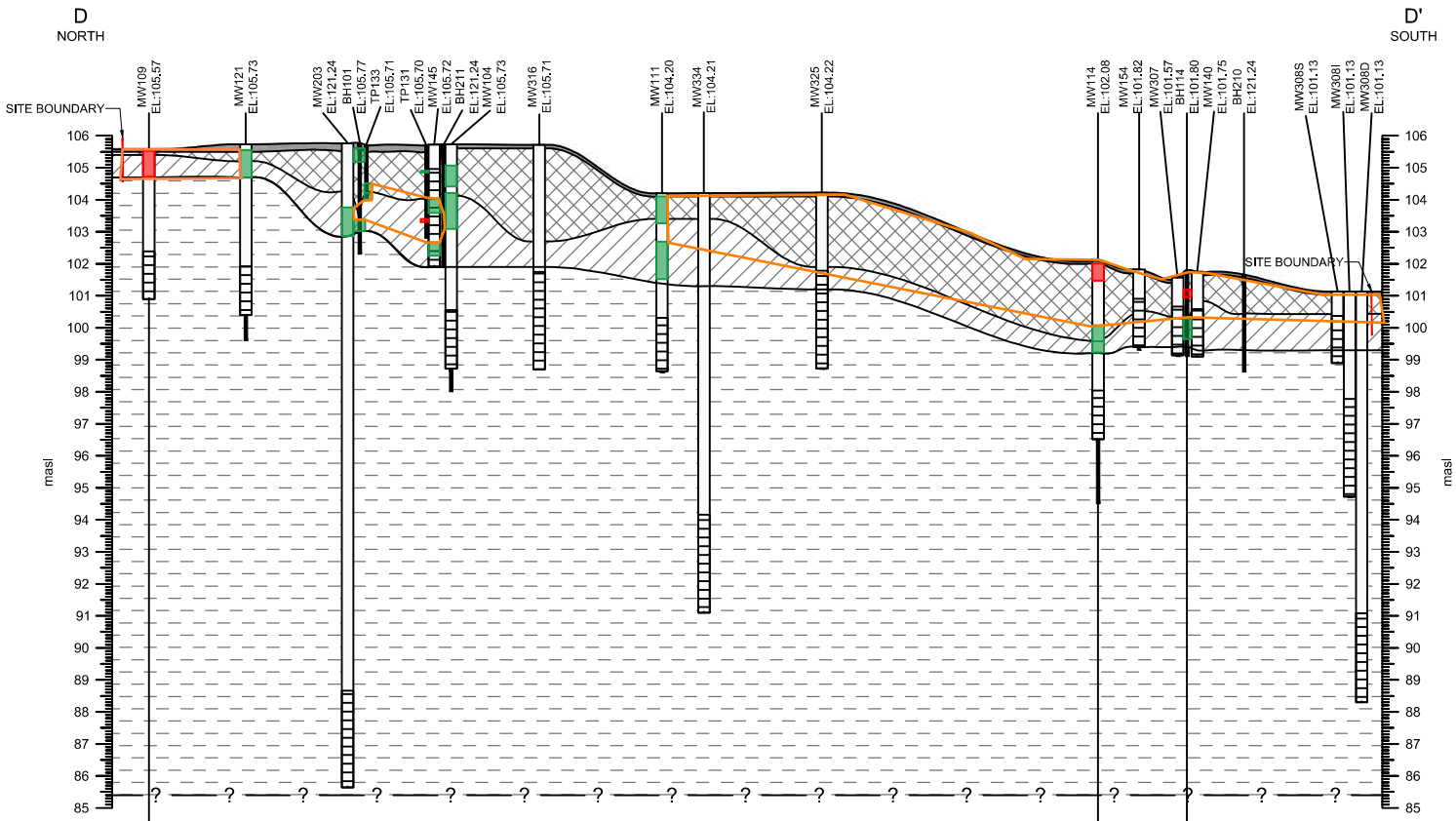

MW109	MW109-1_20130702
	2-Jul-2013
	0.05 - 0.85
Cadmium	12

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
Cadmium	4.8	< 0.10	< 0.10
Lead	180	3.2	3.1

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Cadmium	8.7	< 0.10
Copper	200	160

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Barium	390
Cadmium	1
Copper	180
Lead	120
Molybdenum	7
Zinc	340

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION D-D'
SOIL ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	10J

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Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Antimony	8

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- AREA OF CONTAMINATION (HYDRIDE-FORMING METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - HYDRIDE-FORMING METALS
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 11A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Antimony	8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

DAVIS RD

MW109 0.05-0.85
MW132D 0.05-1.02 ~1.63-2.24
MW133 0.18-1.07 1.52-2.29
BH141 0.16-0.35 0.85-1.22
MW121 0.18-1.04
TP129 1-1.1 1.15-1.25
TP130 0.9-1 1.1-1.2
TP127 2.1-2.3
MW122 0-0.92
MW203 0.3-1.5
MW103 0.13-0.97 1.54-2.21
BH213 1.8-2.4
BH103 0.1-0.92
BH101 0.17-0.59 2.4-2.75
TP133 ~1.2-1.5 1.5-1.7
TP134 1.1-1.2 1.35-1.5
BH102 0.13-0.58 1.78-2.43
BH122 1.52-2.33 2.34-2.87
TP131 0.8-0.85 2.3-2.4
BH212 0.2-0.5
MW145 1.68-2.13 3.05-3.47
MW104 0.66-1.32 1.52-2.64
MW119D 0.12-0.92 3.5-3.95
BH211 0.6-1.2
MW112 0.05-1.7
MW204 0.2-0.6
TP126 ~1.8-1.9
MW139 0.7-0.92
BH138 0.75-1.22 1.22-1.41
MW111 0.1-0.94 1.52-2.69
BH137 0.8-1.1 1.3-1.7
MW202 0.6-1.2

TP131	TP131-1	TP131-2
	3-Oct-2013	3-Oct-2013
	0.8 - 0.85	2.3 - 2.4
Antimony	0.22	14

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- AREA OF CONTAMINATION (HYDRIDE-FORMING METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
HYDRIDE-FORMING METALS - DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	11B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Antimony	8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.1-1.52
BH214 0.5-1.2
BH121 0.13-0.61 2.06-2.75
MW116 0.2-0.9
TP128 1.65-1.75
MW129 0.07-0.3 0.3-1.14 1.52-2.46
BH120 0.13-0.43
BH215 1.2-2.4
MW118 0.16-0.75
MW102 0.1-1.07 ~1.524-2.72
BH104 0.15-0.69 1.52-2.69
MW130 0.05-0.64 1.52-2.08 3.05-3.35
BH134 0.12-0.32 1.22-1.57
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
MW131 0.2-0.5 0.66-0.99 1.52-2.14
BH119 0.36-0.89 ~1.72-2.28
MW137 0.95-1.1
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
TP104 ~0.3-0.6 0.8-0.9
MW107 0.1-1.09 1.52-2.56
BH106 0.05-0.25 0.51-0.97 1.52-2.23
BH107 0.06-0.56 1.52-2.03
BH217 0.8-1.5
BH216 ~0.8-1.5
BH110 0.08-0.35 0.97-1.25 1.52-2.13
BH111 0.08-0.49 1.07-1.5 1.52-2.03
BH140 0.61-0.96
D1 0-0.2
BH218 0.0-0.8
TP103 0.5-1.1 1.1-1.4
D2 0-0.2
BH124 0.09-1.25 1.25-1.52 1.52-1.98
MW117 0-0.7
BH130 1.22-1.86 2.44-2.65 0.18-0.91
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW120 0-0.7
BH131 0.19-0.66 1.22-1.62
MW128 0.2-0.85
BH127 0.2-0.5 0.5-1.25
BH129 0.38-1.54 1.54-2.44
MW105 0.1-0.57 1.5-2.25
BH132 1.22-1.7
BH128 0.14-1.08 1.52-2.15
MW127 0.1-0.45
BH133 0.1-0.48 1.22-1.76
TP138 0.5-0.6
MW207 0.5-1.5
MW126 0.1-0.35 1.52-1.8
MW106 0.08-0.84 1.52-1.82

D1	D1-0-0.2
	23-Jul-2013
	0 - 0.2
Antimony	10

TP103	TP103-1	TP103-2
	22-Jul-2013	22-Jul-2013
	0.5 - 1.1	1.1 - 1.4
Antimony	270	0.32

BH218	BH218 S1
	19-Feb-2015
	0.0 - 0.8
Antimony	16

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- AREA OF CONTAMINATION (HYDRIDE-FORMING METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
HYDRIDE-FORMING METALS - DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	11C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Antimony	8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

DAVIS RD

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Antimony	9	< 0.20

TP124	TP124-1	TPY-1	TP124-2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0 - 0.5	Field Duplicate of TP124-1	0.5 - 0.7
Antimony	560	370	3.6

BH113 0.07-1.0
MW134 0.1-0.7 2-2.6
BH123 0.05-0.75 0.8-1.22
TP122 0.1-0.5 0.7-0.8
MW148S 0.82-1.37 ~2.35-2.74
TP121 0-0.2 0.2-0.6 1-1.3
TP125 0-0.7 0.7-1
TP124 ~0-0.5 0.5-0.7
MW133 0-0.55
BH209 0.2-0.8
TP123 0-0.25 0.3-0.6
BH208 0.8-1.5
TP120 0-0.2 0.55-0.8 1.25-1.4
TP119 0.2-0.6 0.6-1.7
BH114 0.61-0.85 1.52-2.15
BH210 1.2-2.4
TP118 0.2-1.4
MW204 0.3-0.8
MW124 0.2-1.22 1.6-2.4
TP115 0.15-0.5 0.9-1.25
TP116 0-0.23 0.23-0.55
TP117 0.5-0.75 1-1.4
MW136 1.3-1.5 2.14-2.44
BH115 0.2-0.75 1.52-2.1
BH139 0.61-1.22 ~1.57-1.83
BH112 0.18-0.99 1.52-2.54
BH116 0.16-0.61 ~1.65-4.02 4.02-4.57
MW114 0.07-0.61 2-2.5 2.5-2.85
MW123 0.17-0.62 3.05-3.75
BH122 0.3-1.2
TP110 ~1.4-1.55
MW141 0.8-1.3 1.6-1.8
TP109 0.07-0.2 0.3-1 1.85-2
BH135 1.22-1.75 2-2.4
MW110D 0.11-0.64 1.52-2.39
BH136 0.75-1.22 1.9-2.2

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- AREA OF CONTAMINATION (HYDRIDE-FORMING METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS -
HYDRIDE-FORMING METALS - DETAIL MAP 3
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 11C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Antimony	8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

TP102	TP102-1	TP102-2	TP102-3
	22-Jul-2013	22-Jul-2013	22-Jul-2013
	0 - 0.5	0.5 - 1.2	1.2 - 1.55
Antimony	9.2	0.78	0.41

BH223 0.8-1.5
TP105 0.1-0.85 0.85-1.03
D3 0-0.2
BH109 0-1.13 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
D4 0-0.2
MW108 0.13-1.07 1.52-1.95
BH219 0.2-0.8
TP101 0.3-0.85 1.4-1.75
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
TP201 2.0
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP202 1.5
TP203 1.5
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
D7 0-0.2
TP204 0.5 2.0
TP205 0.5 2.0
MW144 1.5-2.3 2.3-2.9
MW149 1.2-1.5 2.4-3
TP113 1-1.3 1.6-1.75
TP114 0.15-0.8
TP112 0.3-0.6 1.5-1.7
BH221 1.1-1.5
TP111 0.5-0.85 1.4-1.65 1.7-1.9 1.9-2.1
TP108 0.09-0.35 0.35-0.75
MW125 0-0.76 2.28-2.6

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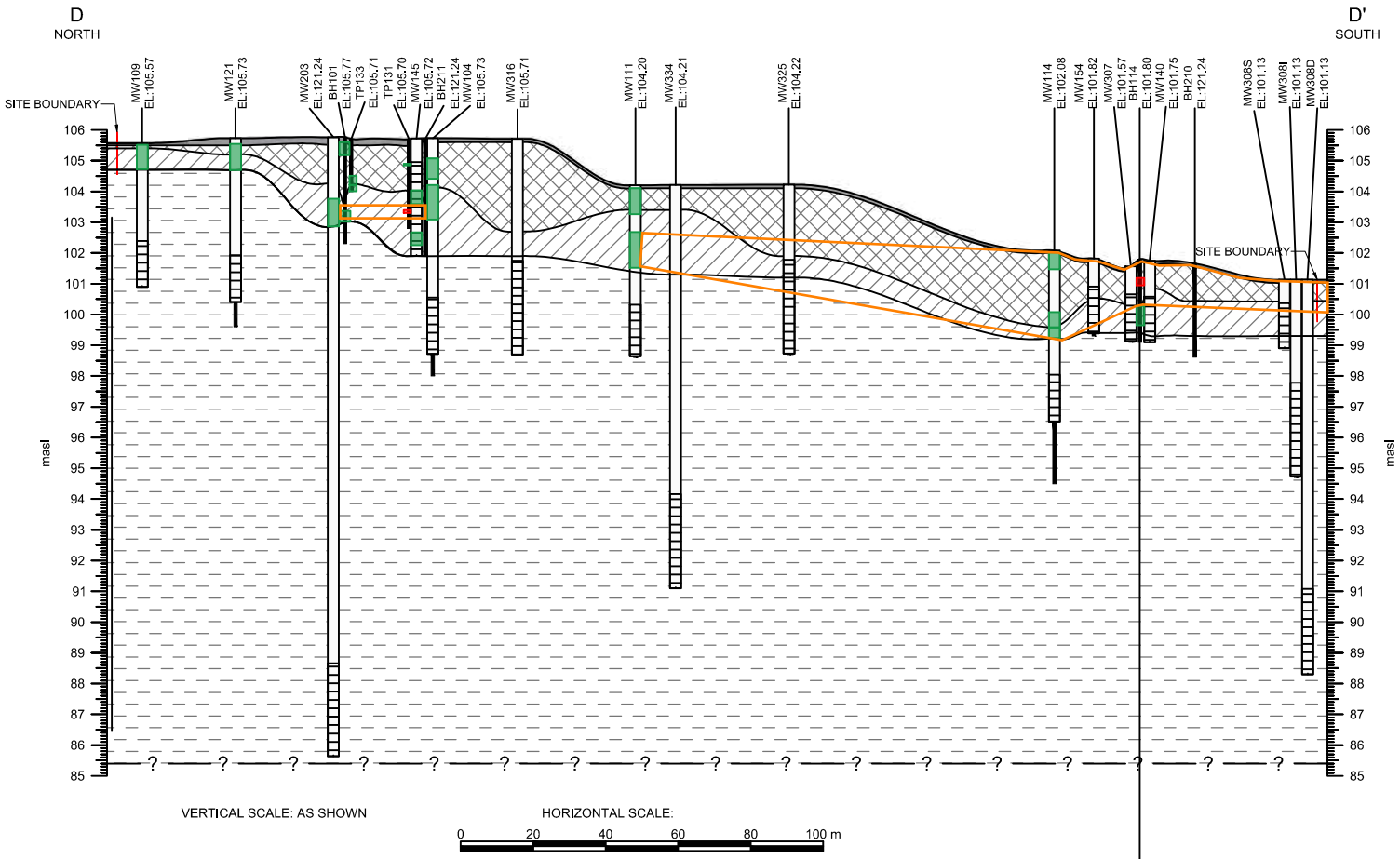
0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- AREA OF CONTAMINATION (HYDRIDE-FORMING METALS IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - HYDRIDE-FORMING METALS - DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 11E



BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Antimony	9	< 0.20

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Antimony	8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR HF METALS
- SOIL SAMPLE MEETS TABLE 2 SCS FOR HF METALS
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION D-D'
SOIL ANALYTICAL RESULTS - HYDRIDE-FORMING METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	11F

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND/OR Hg
- SOIL SAMPLE MEETS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND Hg
- AREA OF CONTAMINATION (B-HWS, Cr(VI), CN-, AND/OR Hg IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS -
HOT WATER SOLUBLE BORON (B-HWS),
HEXAVALENT CHROMIUM [Cr(VI)],
FREE CYANIDE (CN-), AND MERCURY (Hg)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 12A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

DAVIS RD

TP129	TP129-1	TP129-2
	3-Oct-2013	3-Oct-2013
	1 - 1.1	1.15 - 1.25
Mercury	3.7	0.81

TP131	TP131-1	TP131-2
	3-Oct-2013	3-Oct-2013
	0.8 - 0.85	2.3 - 2.4
Mercury	2.3	1.2

BH212	BH212 S1
	18-Feb-2015
	0.2 - 0.5
Mercury	13

MW109 0.05-0.85
MW133 0.18-1.07 1.52-2.29
MW132D 0.05-1.02 ~1.63-2.24
BH141 0.16-0.35 0.85-1.22
MW121 0.18-1.04
TP129 1-1.1 1.15-1.25
TP130 0.9-1 1.1-1.2
TP127 2.1-2.3
MW122 0-0.92
MW203 0.3-1.5
BH213 1.8-2.4
MW103 0.13-0.97 1.54-2.21
BH103 0.1-0.92
BH101 0.17-0.59 2.4-2.75
TP133 ~1.2-1.5 1.5-1.7
TP134 1.1-1.2 1.35-1.5
BH212 0.2-0.5
BH122 1.52-2.33 2.34-2.87
TP131 0.8-0.85 2.3-2.4
BH102 0.13-0.58 1.78-2.43
MW119D 0.12-0.92 3.5-3.95
MW145 1.68-2.13 3.05-3.47
MW104 0.66-1.32 1.52-2.64
BH211 0.6-1.2
MW112 0.05-1.7
MW204 0.2-0.6
TP126 ~1.8-1.9
MW139 0.7-0.92
BH138 0.75-1.22 1.22-1.41
MW111 0.1-0.94 1.52-2.69
BH137 0.8-1.1 1.3-1.7
MW202 0.6-1.2

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND/OR Hg
- SOIL SAMPLE MEETS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND Hg
- AREA OF CONTAMINATION (B-HWS, Cr(VI), CN-, AND/OR Hg IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS -
HOT WATER SOLUBLE BORON (B-HWS),
HEXAVALENT CHROMIUM [Cr(VI)],
FREE CYANIDE (CN-), AND MERCURY (Hg)
- DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	12B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.13-0.46 1.524-1.98
BH214 0.5-1.2
BH121 0.13-0.61 2.06-2.75
MW116 0.2-0.9
MW129 0.07-0.3 0.3-1.14 1.52-2.46
TP128 1.65-1.75
BH120 0.13-0.43
MW102 0.1-1.07 ~1.524-2.72
BH215 1.2-2.4
MW118 0.16-0.75
BH104 0.15-0.69 1.52-2.69
MW130 0.05-0.64 1.52-2.08 3.05-3.35
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
MW131 0.2-0.5 0.66-0.99 1.52-2.14
BH119 0.36-0.89 ~1.72-2.28
TP104 ~0.3-0.8 0.8-0.9
MW107 0.1-1.09 1.52-2.56
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
BH107 0.05-0.56 1.52-2.03
BH217 0.8-1.5
BH216 ~0.8-1.5
BH124 0.09-1.25 1.25-1.52 1.52-1.98
BH110 0.08-0.35 0.97-1.25 1.52-2.13
BH111 0.08-0.49 1.07-1.5 1.52-2.03
BH218 0.0-0.8
D1 0-0.2
BH140 0.61-0.96
TP103 0.5-1.1 1.1-1.4
D2 0-0.2
MW117 0-0.7
BH130 1.22-1.86 2.44-2.65 0.18-0.91
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW120 0-0.7
BH131 0.19-0.66 1.22-1.62
MW128 0.2-0.85
BH127 0.2-0.5 0.5-1.25
BH128 0.14-1.08 1.52-2.15
MW105 0.1-0.57 1.52-2.25
MW127 0.1-0.45
BH132 1.22-1.7
BH129 0.38-1.54 1.54-2.44
TP138 0.5-0.6
BH134 0.12-0.32 1.22-1.57
BH133 0.1-0.48 1.22-1.76
MW137 0.85-1.1
MW207 0.5-1.5
MW106 0.08-0.84 1.52-1.82
BH106 0.05-0.25 0.51-0.97 1.52-2.23
MW126 0.1-0.35 1.52-1.8

MW101	MW101-1	MW101-3
	17-Jun-2013	17-Jun-2013
	0.13 - 0.46	1.524 - 1.98
Boron (hot water soluble)	< 5.0	12

MW102	MW102-1	MW102-2	OW-MW102-2
	17-Jun-2013	17-Jun-2013	17-Jun-2013
	0.1 - 1.07	1.524 - 2.72	Field Duplicate of MW102-2
Boron (hot water soluble)	< 5.0	10	10

BH217	BH217 S2
	19-Feb-2015
	0.8 - 1.5
Mercury	45

D1	D1-0-0.2
	23-Jul-2013
	0 - 0.2
Mercury	50

BH140	BH140-1
	15-Aug-2013
	0.61 - 0.96
Mercury	2.3

TP103	TP103-1	TP103-2
	22-Jul-2013	22-Jul-2013
	0.5 - 1.1	1.1 - 1.4
Mercury	9.6	0.064

BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
Mercury	210	11	< 0.050

D2	D2-0-0.2
	24-Jul-2013
	0 - 0.2
Mercury	2.4

BH218	BH218 S1
	19-Feb-2015
	0.0 - 0.8
Free Cyanide	0.31
Mercury	41

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND/OR Hg
- SOIL SAMPLE MEETS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND Hg
- AREA OF CONTAMINATION (B-HWS, Cr(VI), CN-, AND/OR Hg IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS -
HOT WATER SOLUBLE BORON (B-HWS),
HEXAVALENT CHROMIUM [Cr(VI)],
FREE CYANIDE (CN-), AND MERCURY (Hg)
- DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 12C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

TP122	TP122-1	TPW-1	TP122-2
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0.1 - 0.5	Field Duplicate of TP122-1	0.7 - 0.8
Boron (hot water soluble)	0.71	0.73	2.5

TP121	TP121-1	TP121-2	TP121-3
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0 - 0.2	0.2 - 0.6	1 - 1.3
Mercury	1.4	7	0.1

TP124	TP124-1	TPY-1	TP124-2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0 - 0.5	Field Duplicate of TP124-1	0.5 - 0.7
Boron (hot water soluble)	2.7	2.3	3.1
Mercury	150	150	0.87

MW135	MW135-1
	6-Aug-2013
	0 - 0.55
Boron (hot water soluble)	11

TP123	TP123-1	TP123-2
	29-Jul-2013	29-Jul-2013
	0 - 0.25	0.3 - 0.6
Boron (hot water soluble)	25	4.4

BH208	BH208 S2
	19-Feb-2015
	0.8 - 1.5
Boron (hot water soluble)	2.1

BH210	BH210 S3
	18-Feb-2015
	1.2 - 2.4
Free Cyanide	0.07

TP118	TP118-1
	26-Jul-2013
	0.2 - 1.4
Mercury	5.8

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
Boron (hot water soluble)	3.4	0.13	0.35
Mercury	15	< 0.050	< 0.050

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Boron (hot water soluble)	2.6	0.14
Mercury	30	0.081

MW136	MW136-1	MW136-2
	13-Aug-2013	13-Aug-2013
	1.3 - 1.5	2.14 - 2.44
Boron (hot water soluble)	0.47	1.9

BH116	BH116-1	BH116-2	BH-AK	BH116-3
	8-Jul-2013	8-Jul-2013	8-Jul-2013	8-Jul-2013
	0.16 - 0.61	1.65 - 4.02	Field Duplicate of BH116-2	4.02 - 4.57
Boron (hot water soluble)	0.14	0.13	2.6	0.23

MW141	MW141-2	MW141-3
	1-Oct-2013	2-Oct-2013
	0.8 - 1.3	1.6 - 1.8
Boron (hot water soluble)	0.082	1.8

TP110	TP110-1	TPR-1
	24-Jul-2013	24-Jul-2013
	1.4 - 1.55	Field Duplicate of TP110-1
Boron (hot water soluble)	1.9	1.8

TP109	TP109-1	TP109-2	TP109-3
	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.07 - 0.2	0.3 - 1	1.85 - 2
Boron (hot water soluble)	0.1	1.7	0.23

BH135	BH135-1	BH135-2
	13-Aug-2013	13-Aug-2013
	1.22 - 1.75	2 - 2.4
Boron (hot water soluble)	1.9	0.28

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N

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND/OR Hg
- SOIL SAMPLE MEETS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND Hg
- AREA OF CONTAMINATION (B-HWS, Cr(VI), CN-, AND/OR Hg IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS -
HOT WATER SOLUBLE BORON (B-HWS),
HEXAVALENT CHROMIUM [Cr(VI)],
FREE CYANIDE (CN-), AND MERCURY (Hg)
- DETAIL MAP 3
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 12D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

BH223 0.8-1.5
D3 0-0.2
TP105 0.1-0.85 0.85-1.03
BH109 ~0-1.14 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
D4 0-0.2
MW108 0.13-1.07 1.52-1.95
BH219 0.0-0.8
TP101 0.3-0.85 1.4-1.75
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
MW144 1.5-2.3 2.3-2.9
D7 0-0.2
MW149 1.2-1.5 2.4-3
TP113 1-1.3 1.6-1.75
TP114 0.15-0.8
TP111 0.5-0.85 1.4-1.65 1.7-1.9 1.9-2.1
TP112 0.3-0.6 1.5-1.7
BH221 1.1-1.5
TP108 0.09-0.35 0.35-0.75
MW125 0-0.76 2.28-2.6

BH219	BH219 S1
	19-Feb-2015
	0.0 - 0.8
Free Cyanide	0.15
Mercury	9.5

TP101	TP101-1	TP101-2
	22-Jul-2013	22-Jul-2013
	0.3 - 0.85	1.4 - 1.75
Mercury	0.11	3.6

D5	D5-0-0.1
	24-Jul-2013
	0 - 0.1
Mercury	2.4

TP113	TP113-2	TP113-3
	25-Jul-2013	25-Jul-2013
	1 - 1.3	1.6 - 1.75
Boron (hot water soluble)	0.51	2.5

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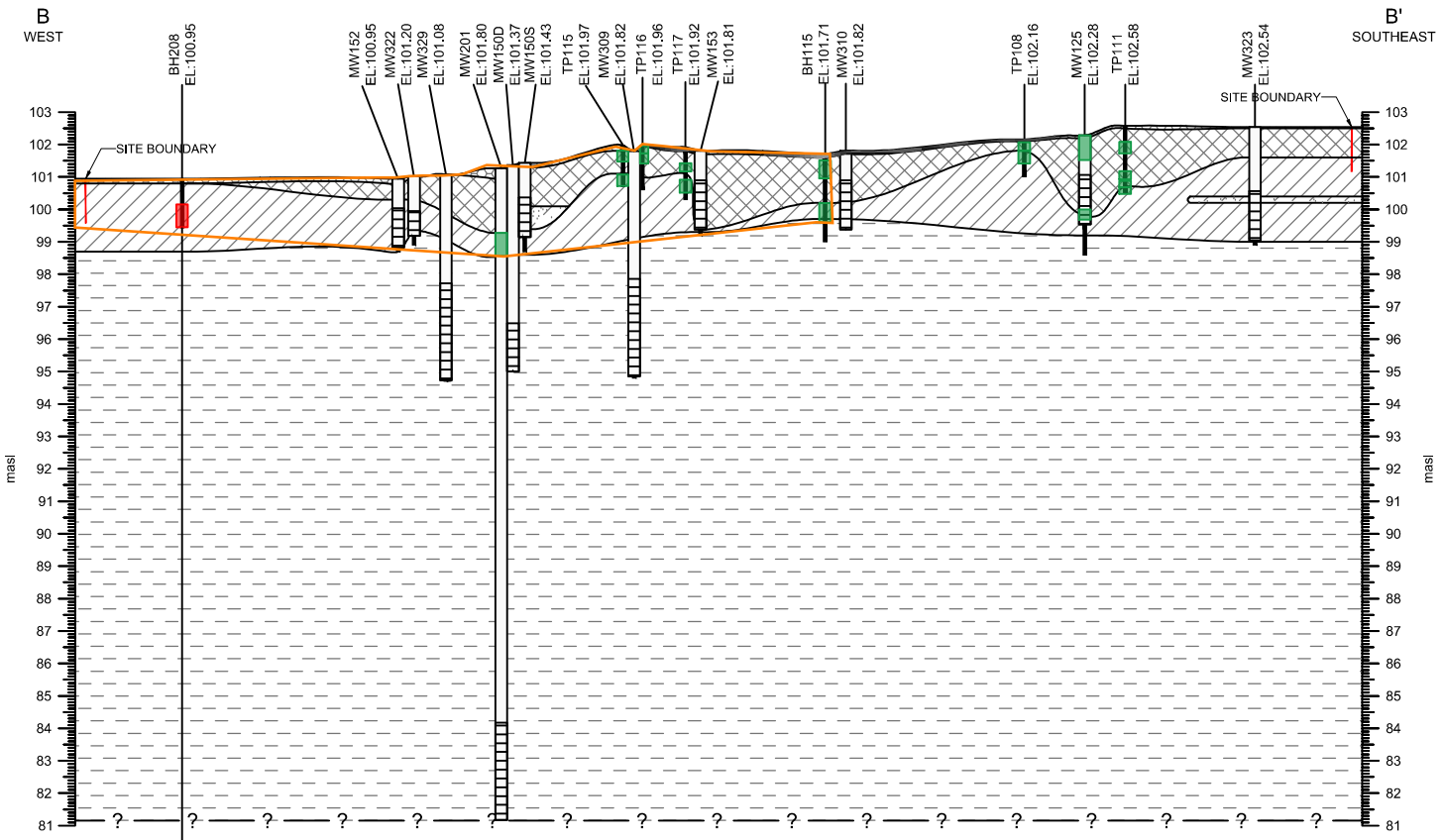
0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND/OR Hg
- SOIL SAMPLE MEETS TABLE 2 SCS FOR B-HWS, Cr(VI), CN-, AND Hg
- AREA OF CONTAMINATION (B-HWS, Cr(VI), CN-, AND/OR Hg IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS -
HOT WATER SOLUBLE BORON (B-HWS),
HEXAVALENT CHROMIUM [Cr(VI)],
FREE CYANIDE (CN-), AND MERCURY (Hg)
- DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 12E



BH208	BH208 S2
	19-Feb-2015
	0.8 - 1.5
Boron (hot water soluble)	2.1

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:
- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR ORPs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR ORPs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

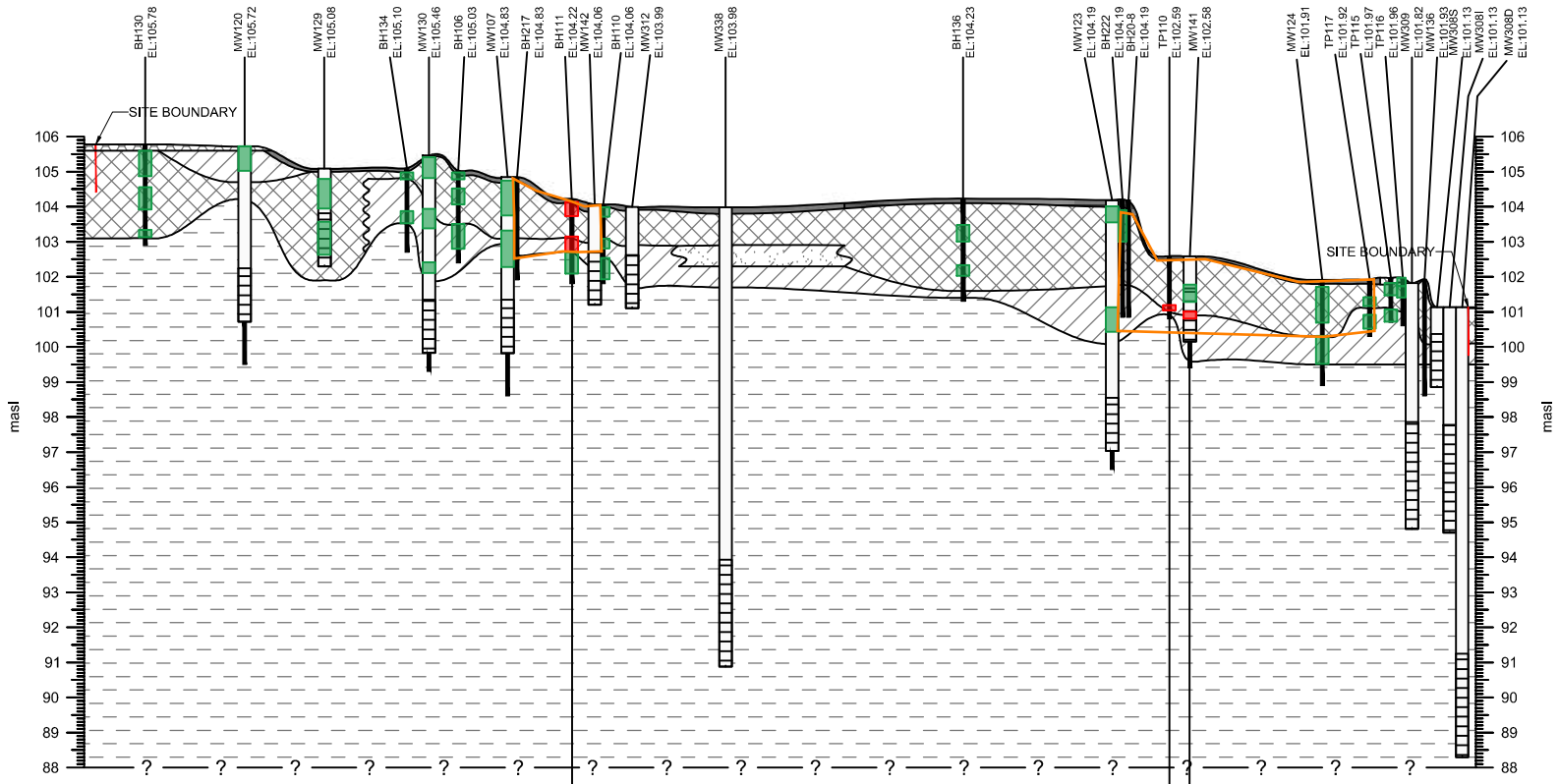
TITLE AND LOCATION:
CROSS SECTION B-B'
SOIL ANALYTICAL RESULTS - OTHER REGULATED PARAMETERS (ORPs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 12F

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

C
NORTHEAST

C'
SOUTHWEST



BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
Mercury	210	11	< 0.050

TP110	TP110-1	TPR-1
	24-Jul-2013	24-Jul-2013
	1.4 - 1.55	Field Duplicate of TP110-1
Boron (hot water soluble)	1.9	1.8

MW141	MW141-2	MW141-3
	1-Oct-2013	2-Oct-2013
	0.8 - 1.3	1.6 - 1.8
Boron (hot water soluble)	0.082	1.8

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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LEGEND:
- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR ORPs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR ORPs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:
CROSS SECTION C-C'
SOIL ANALYTICAL RESULTS - OTHER REGULATED PARAMETERS (ORPs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 12G

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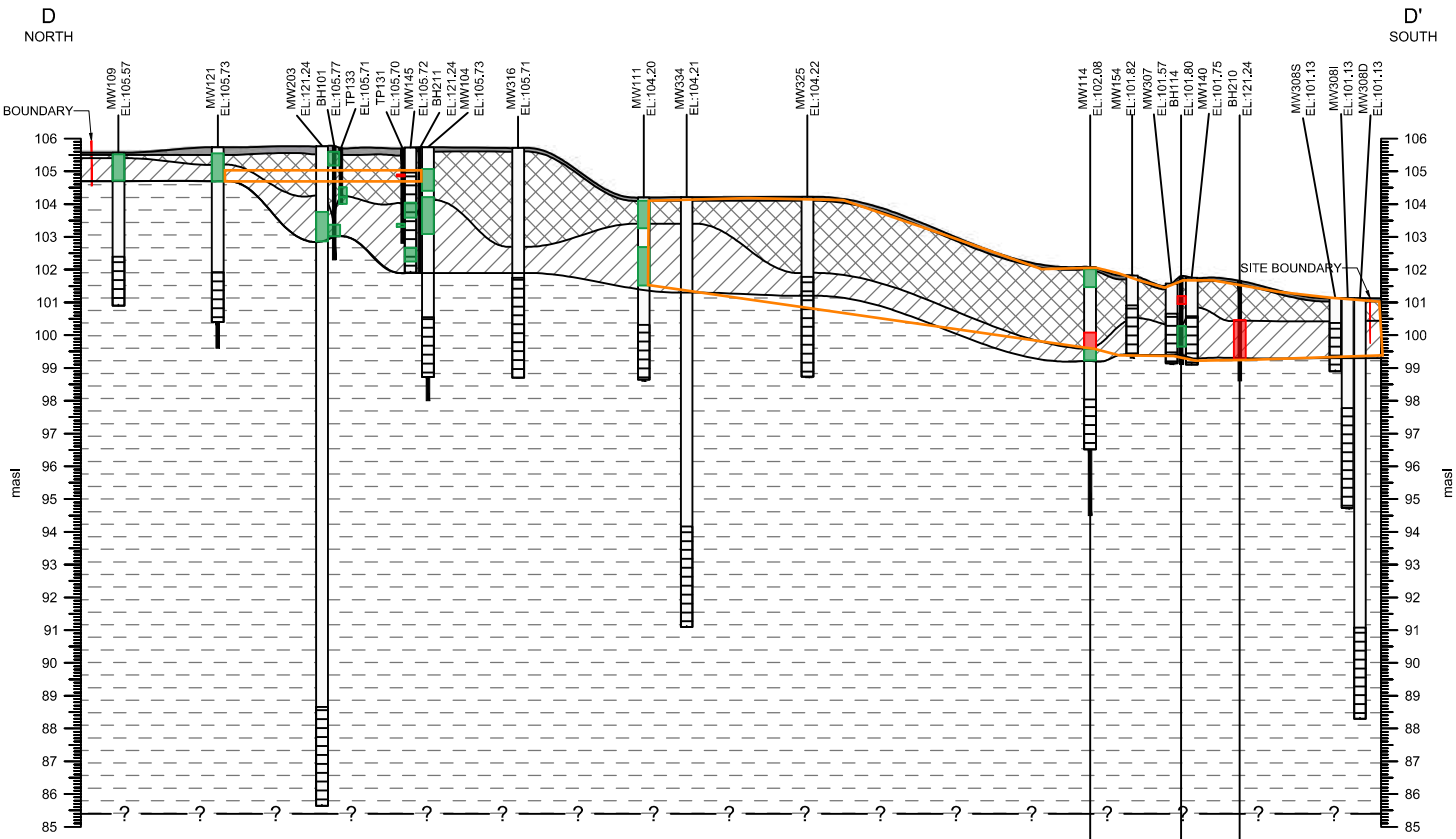

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
Boron (hot water soluble)	3.4	0.13	0.35
Mercury	15	< 0.050	< 0.050

BH210	BH210 S3
	18-Feb-2015
	1.2 - 2.4
Free Cyanide	0.07

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
Boron (hot water soluble)	2.6	0.14
Mercury	30	0.081

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Boron (hot water soluble)	1.5
Chromium VI	10
Free Cyanide	0.051
Mercury	1.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED Exceedance of O.Reg 153/04 Table 2 SCS RPI
Reporting Detection Limit is greater than the Table 2 SCS

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR ORPs
- SOIL SAMPLE MEETS TABLE 2 SCS FOR ORPs
- ESTIMATED EXTENT OF CONTAMINATED SOIL

TITLE AND LOCATION:

CROSS SECTION D-D'
SOIL ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	12H

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Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Table 2 SCS
	Concentration
Electrical Conductivity (mS/cm) [EC]	0.7
Sodium Adsorption Ratio (unitless) [SAR]	5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

BOLD — Concentration considered to meet O. Reg. 153/04 Table 2 SCS as per section 49.1 (1) of O. Reg. 153/04

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0 20 40 60 80 100 m

- SOIL SAMPLE CONSIDERED TO MEET TABLE 2 SCS FOR EC AND SAR
- SOIL SAMPLE MEETS TABLE 2 SCS FOR EC AND SAR
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 13F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR)

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	13A

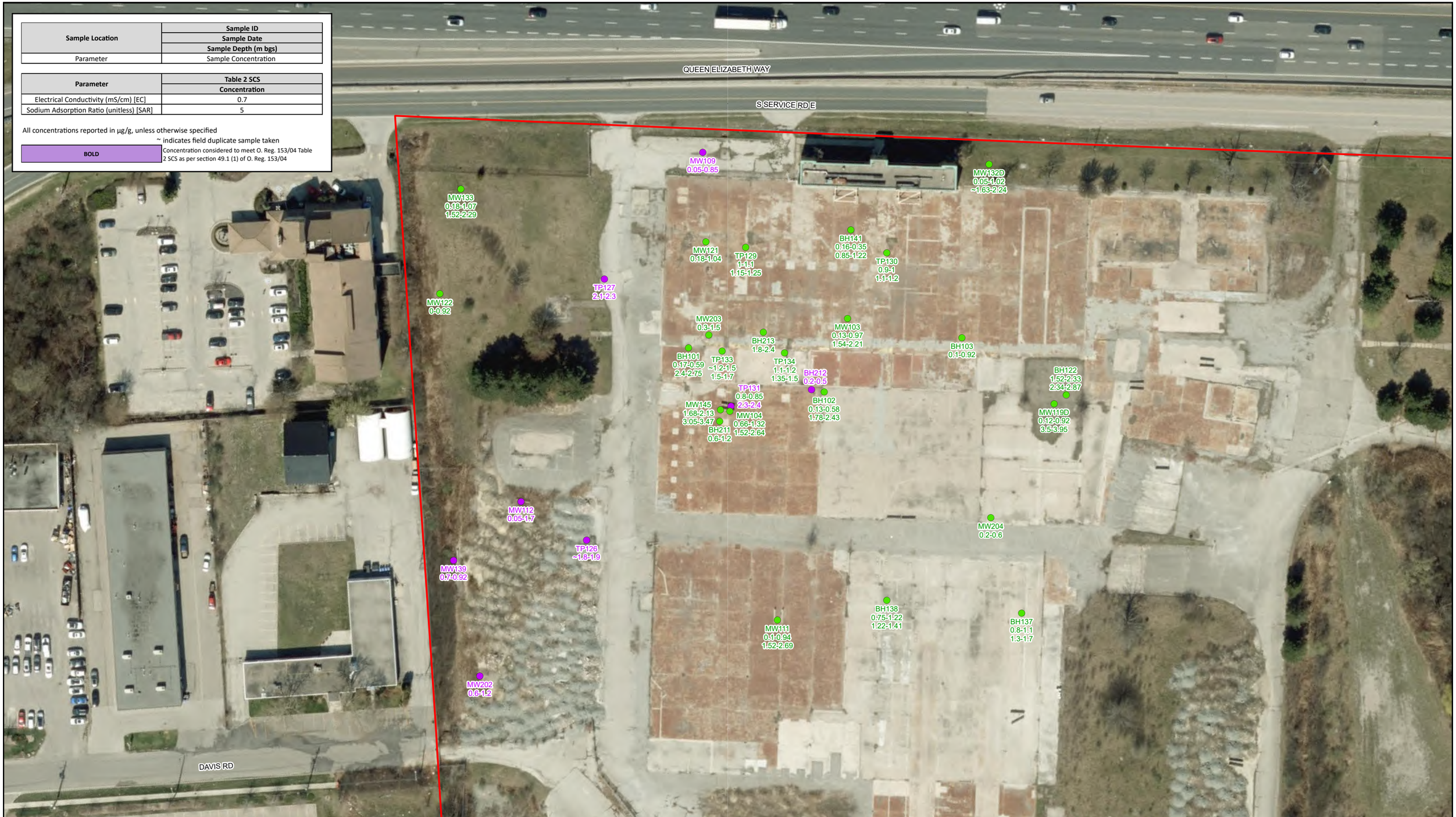
Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Table 2 SCS
	Concentration
Electrical Conductivity (mS/cm) [EC]	0.7
Sodium Adsorption Ratio (unitless) [SAR]	5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

BOLD — Concentration considered to meet O. Reg. 153/04 Table 2 SCS as per section 49.1 (1) of O. Reg. 153/04



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0 10 20 30 40 50 m

- SOIL SAMPLE CONSIDERED TO MEET TABLE 2 SCS FOR EC AND SAR
- SOIL SAMPLE MEETS TABLE 2 SCS FOR EC AND SAR
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 13F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR) - DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	13B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Table 2 SCS
	Concentration
Electrical Conductivity (mS/cm) [EC]	0.7
Sodium Adsorption Ratio (unitless) [SAR]	5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

BOLD — Concentration considered to meet O. Reg. 153/04 Table 2 SCS as per section 49.1 (1) of O. Reg. 153/04

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.13-0.46 1.524-1.98
MW116 0.2-0.9
BH121 0.13-0.61 2.06-2.75
TP128 1.65-1.75
MW129 0.07-0.3 0.3-1.14 1.52-2.46
BH120 0.13-0.43
MW102 0.1-1.07 ~1.524-2.72
BH104 0.15-0.69 1.52-2.69
BH215 1.2-2.4
MW118 0.16-0.75
MW130 0.05-0.64 1.52-2.08 3.05-3.35
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
BH134 0.12-0.32 1.22-1.57
MW131 0.2-0.5 0.66-0.99 1.52-2.14
BH119 0.36-0.89 ~1.72-2.28
MW137 0.85-1.1
TP104 ~0.3-0.8 0.8-0.9
BH106 0.05-0.25 0.51-0.97 1.52-2.23
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
MW107 0.1-1.09 1.52-2.56
BH107 0.05-0.56 1.52-2.03
BH217 0.8-1.5
BH216 ~0.8-1.5
BH140 0.61-0.96
D1 0-0.2
BH110 0.08-0.35 0.97-1.25 1.52-2.13
BH111 0.08-0.49 1.07-1.5 1.52-2.03
BH218 0.0-0.8
TP103 0.5-1.1 1.1-1.4
BH124 0.09-1.25 1.25-1.52 1.52-1.98
D2 0-0.2

MW117 0-0.7
BH139 1.22-1.86 2.44-2.65 0.18-0.91
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW120 0-0.7
BH127 0.2-0.5 0.5-1.25
MW128 0.2-0.85
BH131 0.19-0.66 1.22-1.62
MW105 0.1-0.57 1.5-2.25
MW127 0.1-0.45
BH132 1.22-1.7
BH129 0.38-1.54 1.54-2.44
BH128 0.14-1.08 1.52-2.15
TP138 0.5-0.6
BH133 0.1-0.48 1.22-1.76
MW207 0.5-1.5
MW106 0.08-0.84 1.52-1.82
MW126 0.1-0.35 1.52-1.8

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N

0 10 20 30 40 50 m

- SOIL SAMPLE CONSIDERED TO MEET TABLE 2 SCS FOR EC AND SAR
- SOIL SAMPLE MEETS TABLE 2 SCS FOR EC AND SAR
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 13F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR) - DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 13C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Table 2 SCS
	Concentration
Electrical Conductivity (mS/cm) [EC]	0.7
Sodium Adsorption Ratio (unitless) [SAR]	5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

BOLD — Concentration considered to meet O. Reg. 153/04 Table 2 SCS as per section 49.1 (1) of O. Reg. 153/04

DAVIS RD

BH113 0.07-1.0
MW134 0.1-0.7 2-2.6
BH123 0.05-0.75 0.8-1.22
TP122 0.1-0.5 0.7-0.8
MW148S 0.82-1.37 ~2.35-2.74
TP121 0-0.2 0.2-0.6 1-1.8
TP125 0-0.7 0.7-1
TP124 ~0-0.5 0.5-0.7
TP120 0-0.2 0.55-0.8 1.25-1.4
BH114 0.61-0.85 1.52-2.15
TP119 0.2-0.6 0.6-1.7
MW135 0-0.55
BH209 0.2-0.8
BH210 1.2-2.4
MW124 0.2-1.22 1.6-2.4
TP123 0-0.25 0.3-0.6
TP118 0.2-1.4
TP115 0.15-0.5 0.9-1.25
TP116 0-0.23 0.23-0.55
TP117 0.5-0.75 1-1.4
MW201 0.3-0.8
BH208 0.8-1.5
MW136 1.5-1.5 2.14-2.44
BH139 0.61-1.22 ~1.57-1.83
MW110D 0.11-0.64 1.52-2.39
BH112 0.18-0.99 1.52-2.54
BH136 0.75-1.22 1.9-2.2
BH116 0.16-0.61 ~1.65-4.02 4.02-4.57
MW123 0.17-0.62 3.05-3.75
BH222 0.3-1.2
MW114 0.07-0.61 2-2.5 2.5-2.85
MW141 0.8-1.3 1.6-1.8
TP110 ~1.4-1.55
TP109 0.07-0.2 0.3-1 1.85-2
BH135 1.22-1.75 2-2.4
BH115 0.2-0.75 1.52-2.1

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0 10 20 30 40 50 m

- SOIL SAMPLE CONSIDERED TO MEET TABLE 2 SCS FOR EC AND SAR
- SOIL SAMPLE MEETS TABLE 2 SCS FOR EC AND SAR
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 13F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR) - DETAIL MAP 3
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	13D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Table 2 SCS
	Concentration
Electrical Conductivity (mS/cm) [EC]	0.7
Sodium Adsorption Ratio (unitless) [SAR]	5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

BOLD — Concentration considered to meet O. Reg. 153/04 Table 2 SCS as per section 49.1 (1) of O. Reg. 153/04

BH223 0.8-1.5
TP105 0.1-0.65 0.85-1.03
D3 0-0.2
BH109 ~0-1.14 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
D4 0-0.2
MW108 0.13-1.07 1.52-1.95
BH219 0.0-0.8
TP101 0.3-0.65 1.4-1.75
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
D7 0-0.2
MW149 1.2-1.5 2.4-3
MW144 1.5-2.3 2.3-2.9
TP113 1-1.3 1.6-1.75
TP114 0.15-0.8
TP112 0.3-0.6 1.5-1.7
BH221 1.1-1.5
TP111 0.5-0.65 1.4-1.65 1.7-1.9 1.9-2.1
TP108 0.09-0.35 0.35-0.75
MW125 0-0.76 2.28-2.6

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0 10 20 30 40 50 m

- SOIL SAMPLE CONSIDERED TO MEET TABLE 2 SCS FOR EC AND SAR
- SOIL SAMPLE MEETS TABLE 2 SCS FOR EC AND SAR
- APPROXIMATE SITE BOUNDARY

NOTE: REFER TO FIGURE 13F FOR SAMPLE DEPTHS, SAMPLE DATES, AND ANALYTICAL DATA

TITLE AND LOCATION:
SOIL ANALYTICAL RESULTS - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR) - DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 13E

MW101	MW101-1	MW101-3
	17-Jun-2013	17-Jun-2013
	0.13 - 0.46	1.524 - 1.98
EC	**0.84**	0.22

MW102	MW102-1	MW102-2	OW-MW102-2
	17-Jun-2013	17-Jun-2013	17-Jun-2013
	0.1 - 1.07	1.524 - 2.72	Field Duplicate of MW102-2
EC	**0.93**	0.36	0.35
SAR	**5.3**	**8**	**8.6**

BH104	BH-104 SA1	BH-104 SA2
	29-Jul-2013	29-Jul-2013
	0.15 - 0.69	1.52 - 2.69
EC	**1.1**	0.63
SAR	**10**	**26**

MW105	MW105-1	MW105-3
	18-Jun-2013	18-Jun-2013
	0.1 - 0.57	1.5 - 2.25
SAR	**8.3**	**5.3**

MW106	MW106-1	MW106-2
	18-Jun-2013	18-Jun-2013
	0.08 - 0.84	1.52 - 1.82
EC	**2.6**	0.45
SAR	**57**	**23**

BH106	BH106 SA1	BH106 SA1B	BH106 SA2
	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.05 - 0.25	0.51 - 0.97	1.52 - 2.23
EC	0.33	**2.1**	**3**
SAR	**9.3**	**36**	**25**

MW107	MW107-1	MW107-2
	18-Jun-2013	18-Jun-2013
	0.1 - 1.09	1.52 - 2.56
EC	**2.3**	**0.82**

BH107	BH107 SA1	BH107 SA2
	30-Jul-2013	30-Jul-2013
	0.05 - 0.56	1.52 - 2.03
EC	**0.97**	0.28

BH108	BH108-SA1A	BH108-SA1B	BH108-SA2A	BH108 SA2B
	30-Jul-2013	30-Jul-2013	30-Jul-2013	30-Jul-2013
	0.13 - 0.61	1.24 - 1.52	1.52 - 1.88	1.88 - 2.21
EC	**1.5**	**0.74**	0.42	0.41
SAR	**15**	**12**	**11**	**6.7**

MW109	MW109-1_20130702
	2-Jul-2013
	0.05 - 0.85
EC	**0.86**
SAR	**13**

BH109	BH109-1	BH109-1	BH109-2
	18-Jun-2013	18-Jun-2013	18-Jun-2013
	0 - 1.14	0 - 1.14	1.52 - 2.29
EC	**0.86**	**0.86**	0.28

BH110	BH110SA1A	BH110 SA1B	BH110 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.35	0.97 - 1.25	1.52 - 2.13
EC	0.28	**1.4**	0.46
SAR	3.2	**6.3**	2.5

BH111	BH111 SA1	BH111 SA1B	BH111 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.49	1.07 - 1.5	1.52 - 2.03
EC	0.45	**0.81**	0.4
SAR	**7**	2.1	3.8

MW112	MW112-1_20130702
	2-Jul-2013
	0.05 - 1.7
EC	**2.6**
SAR	**19**

BH113	BH113-1
	3-Jul-2013
	0.07 - 1 m
EC	**1.2**

MW114	MW114-1	MW114-2	MW114-3
	3-Jul-2013	3-Jul-2013	3-Jul-2013
	0.07 - 0.61	2 - 2.5	2.5 - 2.85
EC	**1.1**	0.3	0.51
SAR	**15**	0.79	**5.5**

BH114	BH114-1	BH114-2
	3-Jul-2013	3-Jul-2013
	0.61 - 0.85	1.52 - 2.15
EC	**1.9**	0.61
SAR	**8.5**	0.95

BH115	BH115-1	BH115-2
	3-Jul-2013	3-Jul-2013
	0.2 - 0.75	1.52 - 2.1
EC	**2**	**2**
SAR	**24**	**5.1**

BH116	BH116-1	BH116-2	BH-AK	BH116-3
	8-Jul-2013	8-Jul-2013	8-Jul-2013	8-Jul-2013
	0.16 - 0.61	1.65 - 4.02	Field Duplicate of BH116-2	4.02 - 4.57
EC	0.47	0.16	**2**	0.31
SAR	0.18	0.63	**5.4**	0.82

BH117	BH117 SA1A	BH117SA1B	BH117SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.08 - 0.59	1.35 - 1.52	1.52 - 1.82
EC	**1.2**	**0.96**	0.6
SAR	1.7	**6.8**	2.6

BH120	BH120-SA1
	1-Aug-2013
	0.13 - 0.43
EC	**3.3**

MW124	MW124-1	MW124-2
	8-Jul-2013	8-Jul-2013
	0.2 - 1.22	1.6 - 2.4
EC	0.16	**1.2**

BH124	BH109 SA1A	BH124-SA1B	BH109 SA2
	31-Jul-2013	31-Jul-2013	31-Jul-2013
	0.09 - 1.25	1.25 - 1.52	1.52 - 1.98
SAR	0.73	2	**8.1**

MW125	MW125-1	MW125-2
	8-Jul-2013	8-Jul-2013
	0 - 0.76	2.28 - 2.6
SAR	**6.8**	**9.2**

BH125	BH125-1	BH125-2
	7-Aug-2013	7-Aug-2013
	0.16 - 0.85	1.52 - 2.42
SAR	1.1	**5.9**

MW126	MW126-1	MW126-2
	15-Jul-2013	15-Jul-2013
	0.1 - 0.35	1.52 - 1.8
EC	0.5	**0.76**
SAR	4.6	**9.2**

BH126	BH126-1	BH126-2
	7-Aug-2013	7-Aug-2013
	0.52 - 1.01	1.52 - 2.32
EC	**0.95**	**0.77**

MW127	MW127-1
	15-Jul-2013
	0.1 - 0.45
EC	**2**
SAR	**21**

BH127	BH127-1	BH127-2
	7-Aug-2013	7-Aug-2013
	0.2 - 0.5	0.5 - 1.25
EC	**5.8**	**2.8**
SAR	**38**	3.7

MW129	MW129 SA1A	MW129 SA1B	MW129 SA2A
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0.07 - 0.3	0.3 - 1.14	1.52 - 2.46
EC	0.41	**0.88**	0.19

BH129	BH129-2	BH129-3
	8-Aug-2013	8-Aug-2013
	0.38 - 1.54	1.54 - 2.44
SAR	**13**	**12**

BH130	BH130-2	BHY-2	BH130-3	BH132-1
	8-Aug-2013	8-Aug-2013	8-Aug-2013	9-Aug-2013
	1.22 - 1.86	Field Duplicate of BH130-2	2.44 - 2.65	0.18 - 0.91
SAR	2.5	2.7	4.2	**16**

BH132	BH132-2
	9-Aug-2013
	1.22 - 1.7
SAR	**14**

BH133	BH133-1	BH133-2
	9-Aug-2013	9-Aug-2013
	0.1 - 0.48	1.22 - 1.76
SAR	**6.4**	4.6

MW134	MW134-1	MW134-2
	6-Aug-2013	6-Aug-2013
	0.1 - 0.7	2 - 2.6
SAR	2.9	**5.1**

BH134	BH134-1	BH134-2
	9-Aug-2013	9-Aug-2013
	0.12 - 0.32	1.22 - 1.57
EC	**2**	**1.4**
SAR	**8.3**	**6.5**

BH135	BH135-1	BH135-2
	13-Aug-2013	13-Aug-2013
	1.22 - 1.75	2 - 2.4
EC	**1.8**	**0.99**
SAR	**10**	**7.9**

MW137	MW137-1
	15-Aug-2013
	0.85 - 1.1
EC	**1**
SAR	**23**

MW139	MW139-1
	19-Aug-2013
	0.7 - 0.92
SAR	**16**

MW141	MW141-2	MW141-3
	1-Oct-2013	2-Oct-2013
	0.8 - 1.3	1.6 - 1.8
SAR	1.5	**7**

MW144	MW144 SA3	MW144 SA4(2)
	2-Oct-2013	2-Oct-2013
	1.5 - 2.3	2.3 - 2.9
EC	**1.3**	**1.1**
SAR	**5.1**	**8.7**

MW148S	MW148-S SA2B	MW148-S SA4B	DUP-5
	7-Oct-2013	7-Oct-2013	7-Oct-2013
	0.82 - 1.37	2.35 - 2.74	Field Duplicate of MW148-S SA4B
EC	**2.1**	0.24	0.22
SAR	**26**	3.8	3.8

MW202	MW202 S2
	18-Feb-2015
	0.6 - 1.2
EC	**3.1**
SAR	**14**

MW207	MW207 S1
	4-Feb-2015
	0.5 - 1.5
EC	**1**
SAR	**17**

BH210	BH210 S3
	18-Feb-2015
	1.2 - 2.4
EC	**0.87**

BH212	BH212 S1
	18-Feb-2015
	0.2 - 0.5
EC	**1.1**

BH217	BH217 S2
	19-Feb-2015
	0.8 - 1.5
EC	**1.5**
SAR	**8.4**

BH218	BH218 S1
	19-Feb-2015
	0.0 - 0.8
EC	**2.4**

BH219	BH219 S1
	19-Feb-2015
	0.0 - 0.8
EC	**4.1**
SAR	**6.5**

BH223	BH223 S2
	18-Feb-2015
	0.8 - 1.5
EC	**1.3**

D1	D1-0-0.2
	23-Jul-2013
	0 - 0.2
EC	**1**

D2	D2-0-0.2
	24-Jul-2013
	0 - 0.2
EC	**1.3**
SAR	**8.7**

D3	D3-0-0.2
	24-Jul-2013
	0 - 0.2
EC	**0.94**
SAR	**7.2**

D4	D4-0-0.2
	24-Jul-2013
	0 - 0.2
EC	**1.1**
SAR	**6.1**

D5	D5-0-0.1
	24-Jul-2013
	0 - 0.1
EC	**1.4**
SAR	**6.2**

D6	D6-0-0.15
	24-Jul-2013
	0 - 0.15
EC	**1**
SAR	**5.2**

TP101	TP101-1	TP101-2
	22-Jul-2013	22-Jul-2013
	0.3 - 0.85	1.4 - 1.75
EC	**1.1**	0.49

TP102	TP102-1	TP102-2	TP102-3
	22-Jul-2013	22-Jul-2013	22-Jul-2013
	0 - 0.5	0.5 - 1.2	1.2 - 1.55
EC	**0.92**	0.69	0.24

TP103	TP103-1	TP103-2
	22-Jul-2013	22-Jul-2013
	0.5 - 1.1	1.1 - 1.4
EC	**1.1**	**0.73**

TP104	TP104-1	TPAD-1	TP104-2
	23-Jul-2013	23-Jul-2013	23-Jul-2013
	0.3 - 0.8	Field Duplicate of TP104-1	0.8 - 0.9
EC	**0.97**	**1.4**	0.5

TP105	TP105-1	TP105-2
	23-Jul-2013	23-Jul-2013
	0.1 - 0.85	0.85 - 1.03
EC	0.37	**0.96**
SAR	**8**	**17**

TP107	TP107-1	TP107-2	TP107-3
	23-Jul-2013	23-Jul-2013	23-Jul-2013
	0.09 - 0.4	0.4 - 0.95	1 - 1.45
EC	0.14	**1.4**	**0.79**
SAR	0.31	**9.4**	**18**

TP108	TP108-1	TP108-2
	23-Jul-2013	23-Jul-2013
	0.09 - 0.35	0.35 - 0.75
SAR	0.32	**10**

TP109	TP109-1	TP109-2	TP109-3
	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.07 - 0.2	0.3 - 1	1.85 - 2
EC	0.22	**2.5**	**1.4**
SAR	1.9	**18**	2.1

TP110	TP110-1	TPR-1
	24-Jul-2013	24-Jul-2013
	1.4 - 1.55	Field Duplicate of TP110-1
EC	**1.5**	**1.3**

TP111	TP111-1	TP111-2	TP111-3	TP111-4
	24-Jul-2013	24-Jul-2013	24-Jul-2013	24-Jul-2013
	0.5 - 0.85	1.4 - 1.65	1.7 - 1.9	1.9 - 2.1
SAR	4.2	**5.9**	**7.1**	**9.7**

TP113	TP113-2	TP113-3
	25-Jul-2013	25-Jul-2013
	1 - 1.3	1.6 - 1.75
EC	0.23	**0.72**
SAR	2.9	**5.8**

TP119	TP119-2	TP119-3
	26-Jul-2013	26-Jul-2013
	0.2 - 0.6	0.6 - 1.7
EC	**3**	**1.9**
SAR	**17**	4.7

TP120	TP120-1	TP120-2	TP120-3
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0 - 0.2	0.55 - 0.8	1.25 - 1.4
EC	0.23	**1.2**	**1.1**
SAR	0.47	**21**	**28**

TP121	TP121-1	TP121-2	TP121-3
	29-Jul-2013	29-Jul-2013	29-Jul-2013
	0 - 0.2	0.2 - 0.6	1 - 1.3
SAR	0.23	4.4	**7.4**

TP126	TP126-1	TPB-1
	30-Jul-2013	30-Jul-2013
	1.8 - 1.9	Field Duplicate of TP126-1
EC	**2.3**	**2**
SAR	**6.5**	**6.3**

TP127	TP127-1
	31-Jul-2013
	2.1 - 2.3
SAR	**5.3**

TP131	TP131-1	TP131-2
	3-Oct-2013	3-Oct-2013
	0.8 - 0.85	2.3 - 2.4
EC	0.29	**0.8**

TP138	TP138-1
	8-Oct-2013
	0.5 - 0.6
EC	**1.5**
SAR	**21**

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration

Parameter	Table 2 SCS
	Concentration
Electrical Conductivity (mS/cm) [EC]	0.7
Sodium Adsorption Ratio (unitless) [SAR]	5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

BOLD — Concentration considered to meet O. Reg. 153/04 Table 2 SCS as per section 49.1 (1) of O. Reg. 153/04

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - ELECTRICAL CONDUCTIVITY (EC) AND SODIUM ADSORPTION RATIO (SAR) - EXCEEDANCES
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	GTR-23006348-E1
DWN:	AC
SCALE:	NOT APPLICABLE
CHKD:	JH
DATE:	AUGUST 2024
FIG. No.:	13F

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR pH
- SOIL SAMPLE MEETS TABLE 2 SCS FOR pH
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - pH
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 14A

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging

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MW109 0.05-0.85
MW132D 0.05-1.02 ~1.63-2.24
MW133 0.18-1.07 1.52-2.29
BH141 0.16-0.35 0.85-1.22
TP130 0.9-1 1.1-1.2
MW121 0.18-1.04
TP129 1-1.1 1.15-1.25
TP127 2.1-2.3
MW122 0-0.92
BH213 0.2-0.5 0.5-1.2
MW203 0.3-1.5
MW103 0.13-0.97 1.54-2.21
BH103 0.1-0.92
BH101 0.17-0.59 2.4-2.75
TP133 ~1.2-1.5 1.5-1.7
TP134 1.1-1.2 1.35-1.5
BH122 1.52-2.33 2.34-2.87
TP131 0.8-0.85 2.3-2.4
MW145 1.68-2.13 3.05-3.47
BH212 0.2-0.5 0.5-1.2
BH102 0.13-0.58 1.78-2.43
MW104 0.66-1.32 1.52-2.64
MW119D 0.12-0.92 3.5-3.95
BH211 0.2-0.6 0.6-1.2
MW112 0.05-1.7
MW204 0.2-0.6
TP126 ~1.8-1.9
MW139 0.7-0.92
BH138 0.75-1.22 1.22-1.41
MW111 0.1-0.94 1.52-2.69
BH137 0.8-1.1 1.3-1.7
MW202 0.6-1.2

BH102	BH-102-1	BH212A SS1A	BH212A SS1B	BH212A SS1C	BH212A SS1D	Average
	16-Jul-2013	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.13 - 0.58	0.10-0.60	0.10-0.60	0.10-0.60	0.10-0.60	
pH	9.02	6.79	6.82	6.76	6.76	6.88

MW203	MW203 S1	MW203A SS1A	MW203A SS1B	MW203A SS1C	Average
	10-Feb-2015	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.3 - 1.5	0.3-1.5	0.3-1.5	0.3-1.5	
pH	9.52	7.6	7.46	7.34	9.58

BH211	BH211 S1	MW104A SS1A	MW104A SS1B	MW104A SS1C	Average
	18-Feb-2015	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	
pH	9.35	6.56	6.59	6.62	6.71

BH212	BH212 S1	BH212A SS1A	BH212A SS1B	BH212A SS1C	BH212A SS1D	Average
	18-Feb-2015	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.2 - 0.5	0.2-0.5	0.2-0.5	0.2-0.5	0.2-0.5	
pH	11.7	6.79	6.82	6.76	6.76	6.88

MW104	MW104-2	MW104A SS2A	MW104A SS2B	MW104A SS2C	Average
	17-Jun-2013	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.66 - 1.32	0.66-1.32	0.66-1.32	0.66-1.32	
pH	10.1	6.63	6.68	6.69	6.79

MW204	MW204 S1	MW204A SS1A	MW2044A SS1A	MW204A SS1B	MW2044A SS1B	MW204A SS1C	MW2044A SS1C	Average
	18-Feb-2015	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	
pH	11	7.25	6.92	7.17	6.82	7.13	6.79	7.04

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR pH
- SOIL SAMPLE MEETS TABLE 2 SCS FOR pH
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - pH
- DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 14B

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging

MW101	MW101-1	BH214A SS1A	BH214A SS1B	BH214A SS1C	BH214A SS1D	Average
	17-Jun-2013	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.13 - 0.46	0.10-0.5	0.10-0.5	0.10-0.5	0.10-0.5	
pH	11.4	6.75	6.74	6.73	6.72	6.83

BH214	BH214 S1	BH214A SS1A	BH214A SS1B	BH214A SS1C	BH214A SS1D	Average
	13-Feb-2015	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.2 - 0.5	0.2-0.5	0.2-0.5	0.2-0.5	0.2-0.5	
pH	11.7	6.75	6.74	6.73	6.72	6.83

BH120	BH120-SA1	BH120A SS1A	BH120A SS1B	BH120A SS1C	BH120A SS1D	Average
	1-Aug-2013	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.13 - 0.43	0.10-0.5	0.10-0.5	0.10-0.5	0.10-0.5	
pH	12	8.51	8.1	7.88	7.70	8.05

BH215	BH215 S1	DUP-4	BH120A SS1A	BH120A SS1B	BH120A SS1C	BH120A SS1D	Average
	13-Feb-2015	13-Feb-2015	9-Aug-2024	9-Aug-2024	9-Aug-2024	9-Aug-2024	
	0.2 - 1.2	Field Duplicate of BH215 S1	0.2-1.2	0.2-1.2	0.2-1.2	0.2-1.2	
pH	8.35	11.5	8.51	8.1	7.88	7.70	8.09

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.13-0.46 1.524-1.98
BH214 0.5-1.2
BH121 0.13-0.61 2.06-2.75
MW116 0.2-0.9
MW117 0-0.7
BH130 1.22-1.86 2.44-2.65 0.18-0.91
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW120 0-0.7
BH131 0.19-0.66 1.22-1.62
MW128 0.2-0.85
BH128 0.14-1.08 1.52-2.15
BH127 0.2-0.5 0.5-1.25
MW127 0.1-0.45
TP128 1.65-1.75
MW129 0.07-0.3 0.3-1.14 1.52-2.46
BH120 0.13-0.43
MW102 0.1-1.07 ~1.524-2.72
BH132 1.22-1.7
BH129 0.38-1.54 1.54-2.44
MW105 0.1-0.57 1.5-2.25
TP138 0.5-0.6
MW118 0.16-0.75
BH215 0.2-1.2 ~1.2-2.4
BH104 0.15-0.69 1.52-2.69
BH134 0.12-0.32 1.22-1.57
BH133 0.1-0.48 1.22-1.76
MW207 0.5-1.5
MW130 0.05-0.64 1.52-2.08 3.05-3.35
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
MW131 0.2-0.5 0.66-0.99 1.52-2.14
BH119 0.36-0.89 ~1.72-2.28
MW137 0.85-1.1
TP104 ~0.3-0.8 0.8-0.9
MW107 0.1-1.09 1.52-2.56
BH106 0.05-0.25 0.51-0.97 1.52-2.23
MW106 0.08-0.84 1.52-1.82
MW126 0.1-0.35 1.52-1.8
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
BH107 0.05-0.56 1.52-2.03
BH217 0.8-1.5
BH216 ~0.8-1.5
BH140 0.61-0.96
D1 0-0.2
BH110 0.08-0.35 0.97-1.25 1.52-2.13
BH111 0.08-0.49 1.07-1.5 1.52-2.03
TP103 0.5-1.1 1.1-1.4
BH124 0.09-1.25 1.25-1.52 1.52-1.98
BH218 (D2 0.8 0-0.2

0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR pH
- SOIL SAMPLE MEETS TABLE 2 SCS FOR pH
- APPROXIMATE SITE BOUNDARY

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TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - pH - DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 14C

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging

BH223	BH223 S1	BH117A SS1A	BH117A SS1B	BH117A SS1C	Average
	18-Feb-2015	12-Aug-2024	12-Aug-2024	12-Aug-2024	
	0.0 - 0.8	0-0.8	0-0.8	0-0.8	
pH	11.6	11.2	11.2	11.3	11.3

BH117	BH117 SA1A	BH117A SS1A	BH117A SS1B	BH117A SS1C	Average
	31-Jul-2013	12-Aug-2024	12-Aug-2024	12-Aug-2024	
	0.08 - 0.59	0.08-0.59	0.08-0.59	0.08-0.59	
pH	11.5	11.2	11.2	11.3	11.28

BH223 0.0-0.8 0.8-1.5
D3 0-0.2
TP105 0.1-0.85 0.85-1.03
BH109 ~0-1.14 1.52-2.29
BH117 0.08-0.59 1.35-1.52 1.52-1.82
MW138 0.7-1.22 2.55-2.93
D4 0-0.2
MW108 0.13-1.07 1.52-1.95
BH219 0.0-0.8
TP101 0.3-0.85 1.4-1.75
TP102 0-0.5 0.5-1.2 1.2-1.55
D5 0-0.1
BH118 1.52-2.13 3.2-3.66
D6 0-0.15
TP107 0.09-0.4 0.4-0.95 1-1.45
TP106 0-0.2 0.2-0.45
D7 0-0.2
MW149 1.2-1.5 2.4-3
MW144 1.5-2.3 2.3-2.9
TP113 1-1.3 1.6-1.75
TP114 0.15-0.8
TP112 0.3-0.6 1.5-1.7
BH221 1.1-1.5
TP111 0.5-0.85 1.4-1.65 1.7-1.9 1.9-2.1
TP108 0.09-0.35 0.35-0.75
MW125 0-0.76 2.28-2.6

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- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR pH
- SOIL SAMPLE MEETS TABLE 2 SCS FOR pH
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - pH
- DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 14D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
pH (pH Units)	5-9 (surface soil); 5-11 (subsurface soil)

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS
BLUE	Exceedance of O.Reg 153/04 Table 2 SCS RPI removed through sample averaging

BH223	BH223 S1	BH117A SS1A	BH117A SS1B	BH117A SS1C	Average
	18-Feb-15	12-Aug-24	12-Aug-24	12-Aug-24	
	0.0 - 0.8	0-0.8	0-0.8	0-0.8	11.3
pH	11.6	11.2	11.2	11.3	

BH117	BH117 SA1A	BH117A SS1A	BH117A SS1B	BH117A SS1C	Average
		12-Aug-24	12-Aug-24	12-Aug-24	
		0.08-0.59	0.08-0.59	0.08-0.59	11.28
pH	11.5	11.2	11.2	11.3	

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0 10 20 30 40 50 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR pH
- SOIL SAMPLE MEETS TABLE 2 SCS FOR pH
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - pH
- DETAIL MAP 3
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	14D

Sample Location	Sample ID
	Sample Date
	Sample Depth (m bgs)
Parameter	Sample Concentration (µg/g)

Parameter	Table 2 SCS
	Concentration (µg/g)
Methyl Mercury	0.0094

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Reporting Detection Limit is greater than the Table 2 SCS

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N SERVICE RD E
S SERVICE RD E
DAVIS RD
CHARTWELL RD
TROY

BH141 0.85-1.22
TP127 2.1-2.3
BH102 0.13-0.58
MW119D 0.12-0.92
BH119 0.36-0.89
MW107 0.1-1.09 1.52-2.56
BH217 0.8-1.5
BH216 0.8-1.5
BH142A 0-0.5 1.67-1.82
BH140 0.61-0.96
TP103 0.5-1.1
BH218 0.0-0.8
D2 0-0.2
BH331 0-0.8 0.8-1.22
BH109 0-1.14
TP105 0.85-1.03
D3 0-0.2
D4 0-0.2
MW138 0.7-1.22
BH108A 0.76-1.52
BH219 0.0-0.8
TP101 1.4-1.75
D5 0-0.1
TP102 0-0.5 0.5-1.2
BH330 0.5-0.8 0.8-1.22
D6 0-0.15
D7 0-0.2
TP107 0.4-0.95
TP106 0.2-0.45
MW114 0.07-0.61
BH114-N 0.61-0.91
TP110 1.4-1.55
TP109 0.3-1
BH114 0.61-0.85
BH114-E 0.61-0.91
TP119 0.2-0.6 0.6-1.7
BH114-S 0.61-0.91
BH115 0.2-0.75
TP111 0.5-0.85
BH221 1.1-1.5

BH218	BH218 S1
	19-Feb-2015
	0.0 - 0.8
Methyl Mercury	0.0235

D2	D2-0-0.2
	24-Jul-2013
	0 - 0.2
Methyl Mercury	0.0122

BH219	BH219 S1
	19-Feb-2015
	0.0 - 0.8
Methyl Mercury	0.0211

BH114	BH114-1
	3-Jul-2013
	0.61 - 0.85
Methyl Mercury	0.0875

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0 20 40 60 80 100 m

- SOIL SAMPLE EXCEEDS TABLE 2 SCS FOR METHYL MERCURY
- SOIL SAMPLE MEETS TABLE 2 SCS FOR METHYL MERCURY
- AREA OF CONTAMINATION (METHYL MERCURY IN SOIL)
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - METHYL MERCURY
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 15

All concentrations reported in µg/g, unless otherwise specified .
~ indicates field duplicate sample taken

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0 20 40 60 80 100 m

SOIL SAMPLE MEETS TABLE 2 SCS FOR PCBs

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS (PCBs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	16A

All concentrations reported in µg/g, unless otherwise specified .
~ indicates field duplicate sample taken

QUEEN ELIZABETH WAY

S SERVICE RD E

DAVIS RD

MW109
0.05-0.85

MW132D
~0.05-1.02
1.63-2.24

MW133
0.18-1.07
1.52-2.29

BH141
0.16-0.35
0.85-1.22

MW121
0.18-1.04

TP127
2.1-2.3

MW122
0-0.92

MW103
0.13-0.97
1.54-2.21

BH103
0.1-0.92

BH101
0.17-0.59
2.4-2.75

BH122
1.52-2.33
2.34-2.87

BH102
0.13-0.58
1.78-2.43

MW119D
0.12-0.92
3.5-3.95

MW104
0.66-1.32
1.52-2.64

MW112
0.05-1.7

TP126
1.8-1.9

MW139
0.7-0.92

BH138
0.75-1.22
1.22-1.41

MW111
0.1-0.94
1.52-2.69

BH137
0.8-1.1
1.3-1.7

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0 10 20 30 40 50 m

SOIL SAMPLE MEETS TABLE 2 SCS FOR PCBs

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS (PCBs) - DETAIL MAP 1
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 16B

All concentrations reported in µg/g, unless otherwise specified .
~ indicates field duplicate sample taken

QUEEN ELIZABETH WAY

S SERVICE RD E

MW115 0.2-0.8
MW101 0.13-0.46 1.524-1.98
BH121 0.13-0.61 2.06-2.75
MW116 0.2-0.9
TP128 1.65-1.75
MW129 0.07-0.3 0.3-1.14 1.52-2.46
MW102 0.1-1.07 1.524-2.72
BH104 0.15-0.69 1.52-2.69
MW118 0.16-0.75
MW130 0.05-0.64 1.52-2.08 3.05-3.35
BH134 0.12-0.32 1.22-1.57
BH105 0.51-0.79 1.52-1.85 1.85-2.64 3.05-3.45
MW131 0.2-0.5 0.66-0.99 1.52-2.14
BH119 0.36-0.89 1.72-2.28
TP104 0.3-0.8 0.8-0.9
MW107 0.1-1.09 1.52-2.56
BH108 0.13-0.61 1.24-1.52 1.52-1.88 1.88-2.21
BH107 0.05-0.56 1.52-2.03
BH106 0.05-0.25 0.51-0.97 1.52-2.23
MW137 0.85-1.1
BH140 0.61-0.96
D1 0-0.2
BH110 0.08-0.35 0.97-1.25 1.52-2.13
BH111 0.08-0.49 1.07-1.5 1.52-2.03
TP103 0.5-1.1 1.1-1.4
BH124 0.09-1.25 1.52-1.98
D2 0-0.2
MW117 0-0.7
BH130 1.22-1.86 2.44-2.65 0.18-0.91
BH126 0.52-1.01 1.52-2.32
BH125 0.16-0.85 1.52-2.42
MW120 0-0.7
MW128 0.2-0.85
BH131 0.19-0.66 1.22-1.62
BH127 0.2-0.5 0.5-1.25
MW127 0.1-0.45
BH132 1.22-1.7
BH129 0.38-1.54 1.54-2.44
BH128 0.14-1.08 1.52-2.15
MW105 0.1-0.57 1.5-2.25
BH133 0.1-0.48 1.22-1.76
MW106 0.08-0.84 1.52-1.82
MW126 0.1-0.35 1.52-1.8

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0 10 20 30 40 50 m

SOIL SAMPLE MEETS TABLE 2 SCS FOR PCBs

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS (PCBs) - DETAIL MAP 2
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 16C

All concentrations reported in µg/g, unless otherwise specified .
~ indicates field duplicate sample taken

DAVIS RD

BH113
0.07-1.0

MW134
0.1-0.7
2-2.6

BH123
0.05-0.75
~0.8-1.22

TP122
~0.1-0.5
0.7-0.8

TP121
0-0.2
0.2-0.6
1-1.3

TP125
0-0.7
0.7-1

TP124
~0-0.5
0.6-0.7

TP120
0-0.2
0.55-0.8
1.25-1.4

TP119
0.2-0.6
0.6-1.7

MW135
0-0.55

TP123
0-0.25
0.3-0.6

TP118
0.2-1.4

BH139
0.61-1.22
1.57-1.83

MW110D
0.11-0.64
1.52-2.39

BH112
0.18-0.99
1.52-2.54

BH136
0.75-1.22
1.9-2.2

BH116
0.16-0.61
~1.65-4.02
4.02-4.57

MW114
0.07-0.61
2-2.5
2.5-2.85

MW123
0.17-0.62
3.05-3.75

TP109
0.07-0.2
0.3-1
1.85-2

TP110
~1.4-1.55

BH135
1.22-1.75
2-2.4

BH114
0.61-0.85
1.52-2.15

MW124
0.2-1.22
1.6-2.4

TP115
0.15-0.5
0.9-1.25

BH115
0.2-0.75
1.52-2.1

TP116
0-0.23
0.23-0.55

TP117
0.5-0.75
1-1.4

MW136
1.3-1.5
2.14-2.44

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0 10 20 30 40 50 m

SOIL SAMPLE MEETS TABLE 2 SCS FOR PCBs

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS (PCBs) - DETAIL MAP 3
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 16D

All concentrations reported in µg/g, unless otherwise specified .
~ indicates field duplicate sample taken

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0 10 20 30 40 50 m

SOIL SAMPLE MEETS TABLE 2 SCS FOR PCBs

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS (PCBs) - DETAIL MAP 4
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 16E

All concentrations reported in µg/g, unless otherwise specified .
~ indicates field duplicate sample taken

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0 20 40 60 80 100 m

SOIL SAMPLE MEETS TABLE 2 SCS FOR OCPs

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

SOIL ANALYTICAL RESULTS - ORGANOCHLORINE PESTICIDES (OCPs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 17

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Benzene	5
PHC F2	150
PHC F3	500

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

* indicates sample was only analyzed for BTEX

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

MW154	MW154	MW154	MW154	MW154	MW154	MW154
	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023	25-Jun-2024
	0.91 - 2.43					
Benzene	2.2	1.8	5.53	3.12	3	<0.20

MW140	MW140	Duplicate of MW140	MW140	MW140	MW140	MW140	MW140
	Aug 22'	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023	25-Jun-2024
	1.17 - 2.69						
Benzene	4.1	4.1	3	6.76	9.5	9.5	4.57

MW207A	MW207A
	13-Aug-2024
	3.81 - 5.33
PHC F2	617
PHC F3	568

MW126	MW126	MW126
	13-Jul-2023	26-Jun-2024
	1.37 - 2.90	
PHC F2	718	514

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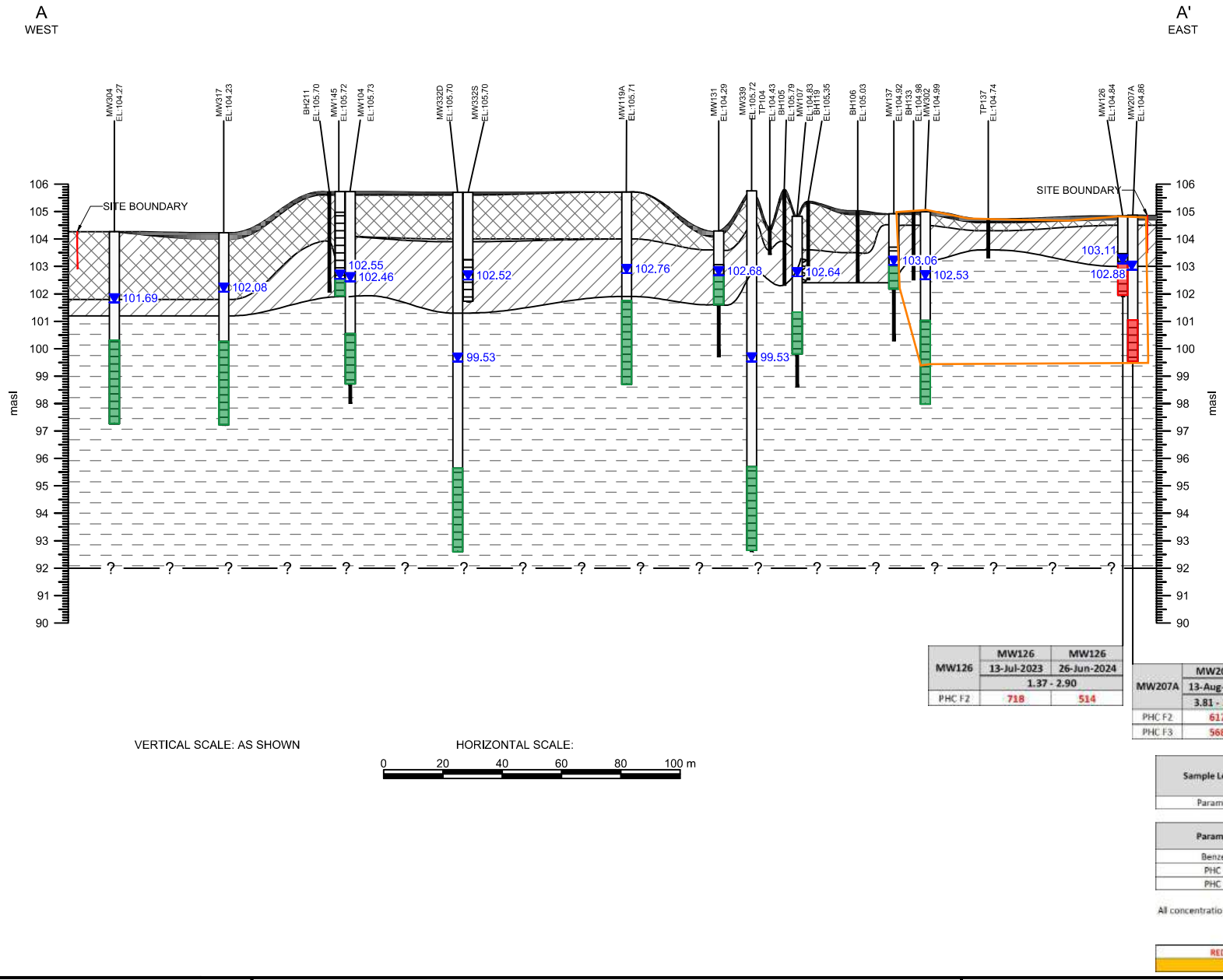
0 20 40 60 80 100 m

- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PHCs
- AREA OF CONTAMINATION [PHCs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [PHCs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 18



MW126	MW126	MW126
	13-Jul-2023	26-Jun-2024
	1.37 - 2.90	
PHC F2	718	514

MW207A	MW207A
	13-Aug-2024
	3.81 - 5.33
PHC F2	617
PHC F3	568

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Benzene	5
PHC F2	150
PHC F3	500

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
* indicates sample was only analyzed for BTEX
RED Exceedance of O.Reg 153/04 Table 2 SCS RPI
Non-detect but detection limit exceeds the MECP (2011) SCS

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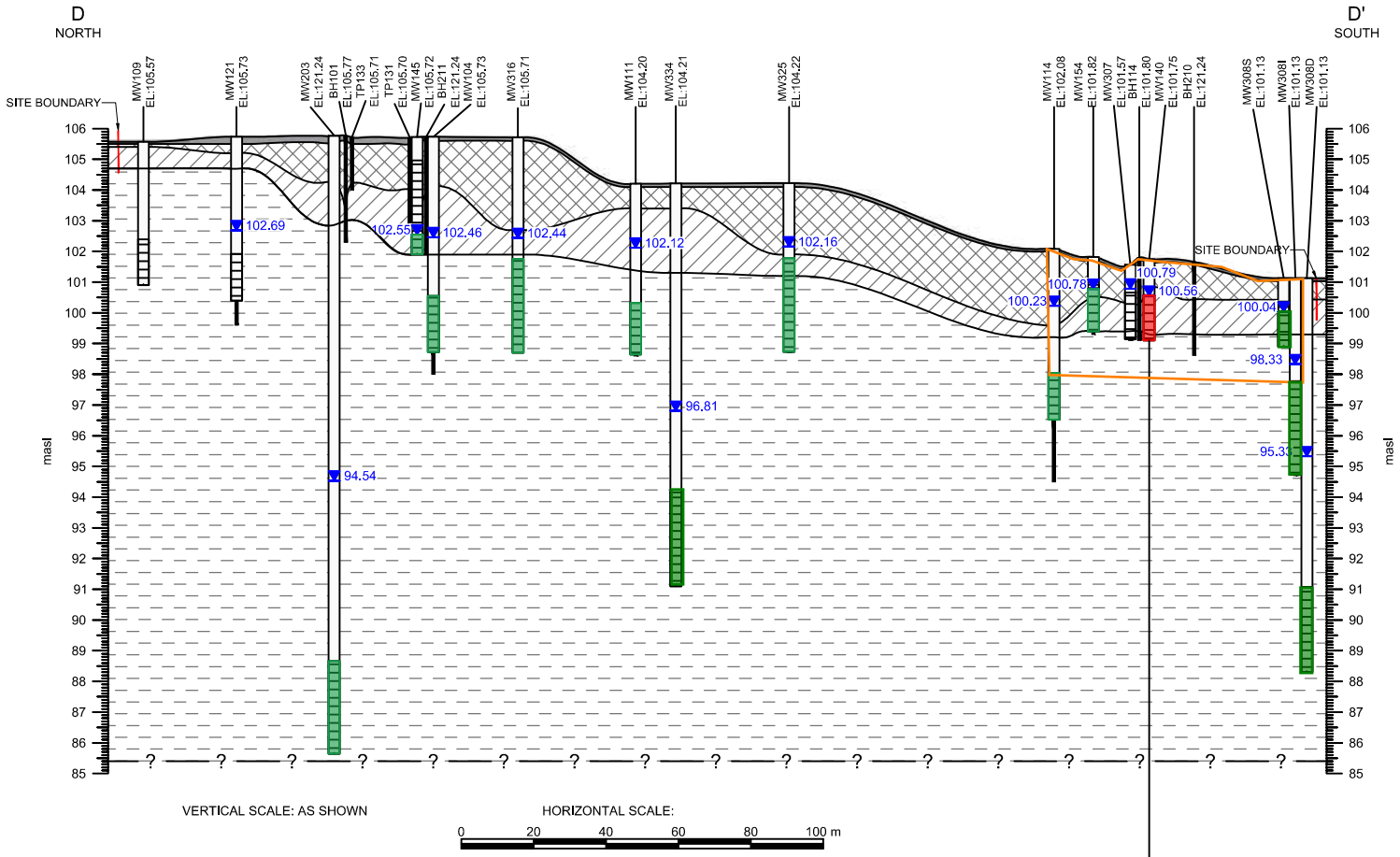
LEGEND:
- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs AND BTEX
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PHCs AND BTEX
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:
CROSS SECTION A-A'
GROUNDWATER ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	18A

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg



MW140	MW140	Duplicate of MW140	MW140	MW140	MW140	MW140	MW140
	Aug 22'	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023	25-Jun-2024
				1.17 - 2.69			
Benzene	4.1	4.1	3	6.76	9.5	9.5	4.57

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Benzene	5
PHC F2	150
PHC F3	500

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
* indicates sample was only analyzed for BTEX
RED Exceedance of O.Reg 153/04 Table 2 SCS RPI
Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:
- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR PHCs AND BTEX
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PHCs AND BTEX
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:
CROSS SECTION D-D'
GROUNDWATER ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS (PHCs) INCLUDING BTEX
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	18B

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

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0 20 40 60 80 100 m

- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	19A

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

DAVIS RD

MW133 1.98-3.51
MW133A 5.49-7.01
MW340 10.0-13.0
MW132S 1.22-2.74
MW132D 7.77-9.30
MW122 3.66-5.18
MW314 3.66-6.71
MW103 1.83-3.35
MW203 17.1-20.1
MW333 10.0-13.0
MW145 0.76-3.81
MW104 5.18-7.01
MW315 3.96-7.01
MW304 3.96-7.01
MW317 3.96-7.01
MW332D 10.0-13.0
MW112 ~3.81-5.33
MW316 3.96-7.01
MW204 17.1-20.1
MW139 1.37-2.9
MW324 2.44-5.49
MW334 10.0-13.0
MW111 3.89-5.56
MW319 2.44-5.49

MW314	MW314
	13-Sep-2023
	3.66 - 6.71
Cis-1,2-Dichloroethylene	67.5
Vinyl Chloride	7.61

MW104	MW104
	13-Jul-2023
	5.18 - 7.01
Cis-1,2-Dichloroethylene	28
Vinyl Chloride	3.27

MW315	MW315
	13-Sep-2023
	3.96 - 7.01
Trichloroethylene	18.6

MW317	MW317
	13-Sep-2023
	3.96 - 7.01
Vinyl Chloride	3.48

MW112	MW 112	MW 1122
	6-Aug-2024	6-Aug-2024
	3.81-5.33	Field Duplicate of MW111
Vinyl Chloride	3.31	3.31

MW316	MW316
	13-Sep-2023
	3.96 - 7.01
Vinyl Chloride	1.75

MW319	MW319
	20-Oct-2023
	2.44 - 5.49
Vinyl Chloride	21.9

MW324	MW324
	13-Sep-2023
	2.44 - 5.49
Cis-1,2-Dichloroethylene	53.8
Vinyl Chloride	26.2

MW111	MW111	MW1111	MW111
	13-Jul-2023	13-Jul-2023	17-Jul-2024
	3.89 - 5.56	Field Duplicate of MW111	3.89 - 5.56
Cis-1,2-Dichloroethylene	13.1	13.4	18.2
Trichloroethylene	3.15	3.21	8.12
Vinyl Chloride	2.11	1.68	1.46

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0 10 20 30 40 50 m

- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs) - DETAIL MAP 1

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 19B

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

QUEEN ELIZABETH WAY

S SERVICE RD E

MW101 3.66-5.18

MW116 3.96-5.49

MW120 3.48-5.00

MW129 1.27-2.90

MW102 4.47-6.15

MW118 4.70-6.22

MW130 4.11-5.64

MW339 10.0-13.0

MW302 3.96-7.01

MW137 1.22-2.74

MW131 1.22-2.74

MW107 3.50-5.03

MW313 2.13-3.51

MW142 ~1.37-2.90

MW312 1.37-2.90

MW2 4.18-6.34

MW338 10.0-13.0

MW127 1.37-2.90

MW207A 3.81-5.33

MW126 1.37-2.90

MW129	MW 129
	6-Aug-2024
	1.27 - 2.90
Trichloroethylene	16.7

MW130	MW130
	13-Jul-2023
	4.11 - 5.64
Trichloroethylene	13.1

MW131	MW 131	MW 131	MW 131	MW 131
	Aug 22'	Apr 23'	12-Jul-2023	19-Oct-2023
	1.22 - 2.74			
Cis-1,2-Dichloroethylene	-	-	508	21
Trichloroethylene	290	21	1.12	0.27
Vinyl Chloride	1.1	3.1	133	62

MW107	MW107
	12-Jul-2023
	3.50 - 5.03
Cis-1,2-Dichloroethylene	113
Trichloroethylene	282
Vinyl Chloride	7.5

MW312	MW312
	20-Oct-2023
	1.37 - 2.90
Cis-1,2-Dichloroethylene	883
Trans-1,2-Dichloroethylene	19.6
Trichloroethylene	16.4
Vinyl Chloride	184

MW142	MW142	MW142	MW142	MW1422	MW142
	Aug 22'	Apr 23'	12-Jul-2023	12-Jul-2023	19-Oct-2023
	1.37 - 2.90			Field Duplicate of MW142	1.37 - 2.90
Cis-1,2-Dichloroethylene	160	170	219	236	130
Trichloroethylene	250	120	179	191	1.6
Vinyl Chloride	3.9	3	9.9	10.7	28

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0 10 20 30 40 50 m

- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs) - DETAIL MAP 2

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 19C

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

MW325	MW325
	20-Oct-2023
	2.44 - 5.49
Cis-1,2-Dichloroethylene	186
Vinyl Chloride	25.7

MW320	MW320
	20-Oct-2023
	4.57 - 7.62
Vinyl Chloride	6.53

MW148D	MW148D	MW1488D
	13-Jul-2023	13-Jul-2023
	4.11 - 5.64	Field Duplicate of MW148D
Vinyl Chloride	12.2	11.7

MW306	MW306
	12-Aug-2024
	0.91 - 2.44
Vinyl Chloride	15.6

MW110D	MW110D	MW110D	Duplicate of MW110D	MW110D	MW110D	Duplicate of MW110D
	Aug 22'	Apr 23'	Apr 23'	13-Jul-2023	19-Oct-2023	19-Oct-2023
	3.86 - 5.54		Field Duplicate of MW110D	3.86 - 5.54		Field Duplicate of MW110D
Bromomethane	<0.50	<0.50	<0.50	<0.20	<5.0	<5.0
1,2-Dichlorobenzene	<0.40	<0.40	<0.40	<0.10	<4.0	<4.0
1,4-Dichlorobenzene	<0.40	<0.40	<0.40	<0.10	<4.0	<4.0
Cis-1,2-Dichloroethylene	910	150	140	261	9.3	8.5
Ethylene Dibromide (1,2-Dibromoethane)	<0.19	<0.19	<0.19	<0.10	<1.9	<1.9
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.10	<5.0	<5.0
1,1,2,2-Tetrachloroethane	<0.40	<0.40	<0.40	<0.10	<4.0	<4.0
Trichloroethylene	55	2.7	2.6	0.94	<2.0	<2.0
Vinyl Chloride	31	20	18	134	160	160
1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.30	<5.0	<5.0

MW140	MW140	Duplicate of MW140	MW140	MW140	MW140	MW140
	Aug 22'	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023
	1.17 - 2.69	Duplicate of MW140	1.17 - 2.69			
Bromomethane	<0.50	<0.50	<2.5	<0.20	<0.20	<0.50
1,4-Dichlorobenzene	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40
Cis-1,2-Dichloroethylene	660	660	29	4.11	<0.20	1.2
Ethylene Dibromide (1,2-Dibromoethane)	<0.19	<0.19	<0.95	<0.10	<0.10	<0.19
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<2.5	<0.10	<0.10	<0.50
1,1,2,2-Tetrachloroethane	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40
Vinyl Chloride	250	260	23	<0.17	<0.17	<0.20
1,3-Dichloropropene	<0.50	<0.50	<2.5	<0.30	<0.30	<0.50

MW311	MW311
	12-Aug-2024
	3.66 - 4.11
Vinyl Chloride	7.51

MW329	MW329
	12-Aug-2024
	4.88 - 6.4
Vinyl Chloride	3.52

MW309	MW309
	12-Aug-2024
	3.96 - 7.01
Vinyl Chloride	2.42

MW308S	MW308S
	20-Oct-2023
	2.44 - 5.49
Cis-1,2-Dichloroethylene	157
Trichloroethylene	19.8
Vinyl Chloride	71.2

MW150S	MW150S	MW150S	MW150S	MW150S	MW150S	MW150S
	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023	24-Jun-2024
	1.06 - 2.29					
Cis-1,2-Dichloroethylene	21	2.9	24.5	10.2	11	3.5
Vinyl Chloride	21	2.4	54.1	39.3	23	21.2

MW150D	MW150D	MW150D	MW150DD	MW150D
	14-Sep-2023	19-Oct-2023	19-Oct-2023	24-Jun-2024
	4.88 - 6.40		Field Duplicate of MW150D	4.88 - 6.40
Cis-1,2-Dichloroethylene	33.8	10.9	13.6	19.2
Vinyl Chloride	47.7	17.7	22.8	23.7

MW205 17.1-20.1
MW110S 1.04-2.62
MW110D 3.86-5.54
MW151 1.52-3.05
MW305 3.96-7.01
MW113 1.29-2.81
MW325 2.44-5.49
MW320 4.57-7.62
MW320D 10.0-13.0
MW148S 0.70-2.23
MW148D 4.11-5.64
MW155 0.91-2.44
MW4 3.96-5.47
MW114 4.04-5.56
MW146 1.37-2.90
MW123 5.64-7.16
MW306 0.91-2.44
MW154 0.91-2.43
MW336 10.0-13.0
MW141 0.91-2.44
MW140 1.17-2.69
MW327 3.66-5.18
MW311 3.66-4.11
MW329 4.88-6.4
MW201 17.1-20.1
MW150S 1.06-2.29
MW153 0.91-2.44
MW310 0.94-2.44
MW152 0.91-2.13
MW150D 4.88-6.40
MW309 3.96-7.01
MW308S 1.06-2.29
MW308I 4.88-6.4
MW308D 10.0-13.0

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0 10 20 30 40 50 m

- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs) - DETAIL MAP 3

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 19D

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

MW138
1.98-3.51

MW108
4.67-6.20

MW326
2.13-3.66

MW337
10.0-13.0

MW143
0.76-2.29

MW328
1.52-3.05

MW323
1.98-3.51

MW125
1.22-2.74

MW125	MW125	MW125	MW125	MW125	MW125	MW125
	Aug 22'	Apr 23'	09/14/2023	19-Oct-2023	19-Oct-2023	24-Jun-2024
	1.22 - 2.74					
Cis-1,2-Dichloroethylene	0.72	87	4.62	1.67	2	13
Trichloroethylene	<0.20	11	<0.40	<0.20	<0.20	<0.20
Vinyl Chloride	<0.20	1.3	3.68	1.26	1.4	0.89

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N

0 10 20 30 40 50 m

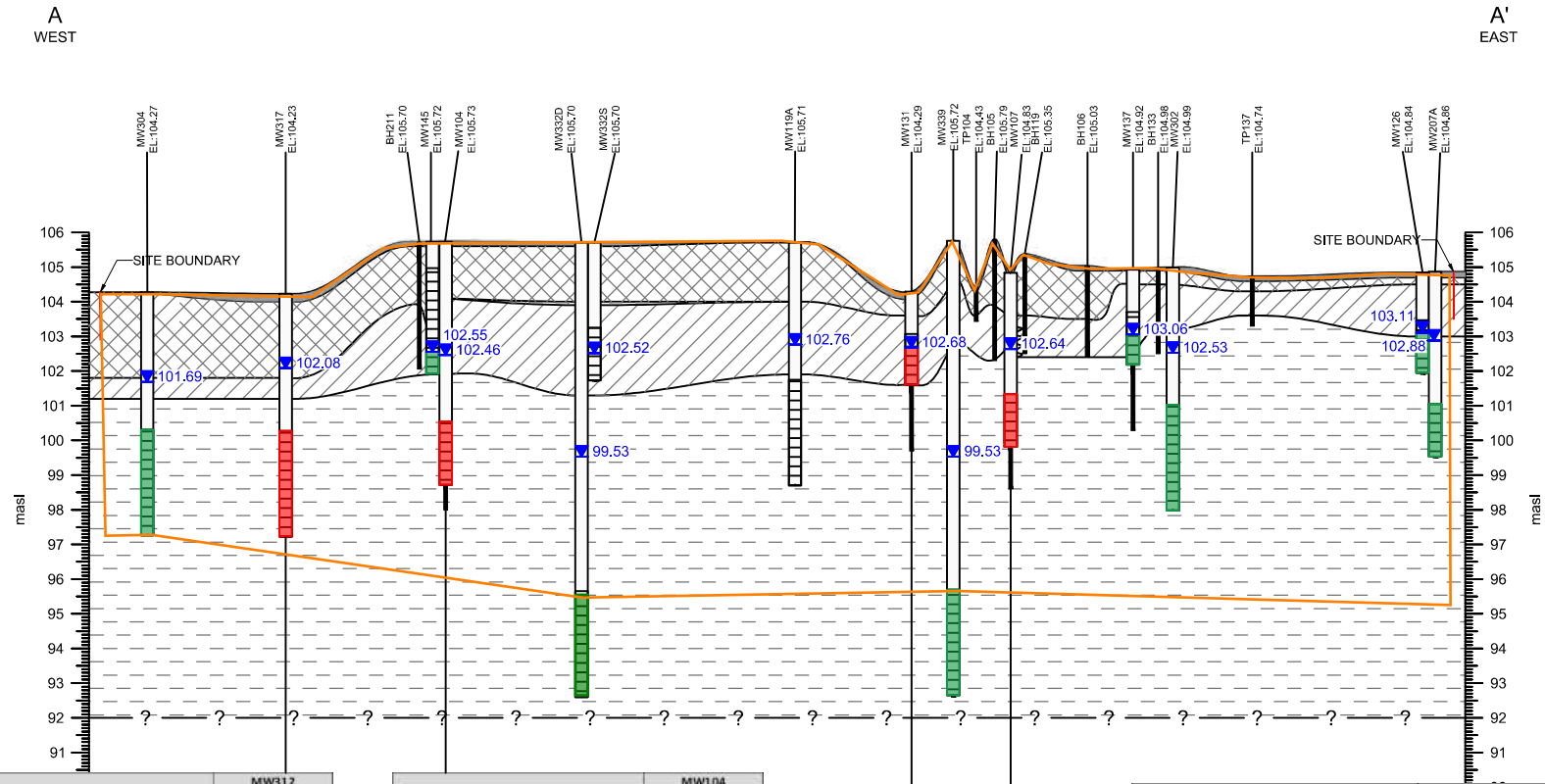
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [VOCs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs) - DETAIL MAP 4

Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 19E



MW312	MW312
	20-Oct-2023
	1.37 - 2.90
Cis-1,2-Dichloroethylene	883
Trans-1,2-Dichloroethylene	19.6
Trichloroethylene	16.4
Vinyl Chloride	184

MW104	MW104
	13-Jul-2023
	5.18 - 7.01
Cis-1,2-Dichloroethylene	28
Vinyl Chloride	3.27

MW131	MW 131	MW 131	MW 131	MW 131
	Aug 22'	Apr 23'	12-Jul-2023	19-Oct-2023
	1.22 - 2.74			
Cis-1,2-Dichloroethylene	-	-	508	21
Trichloroethylene	290	21	1.12	0.27
Vinyl Chloride	1.1	3.1	133	62

MW107	MW107
	12-Jul-2023
	3.50 - 5.03
Cis-1,2-Dichloroethylene	113
Trichloroethylene	282
Vinyl Chloride	7.5

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION A-A'
GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	19F

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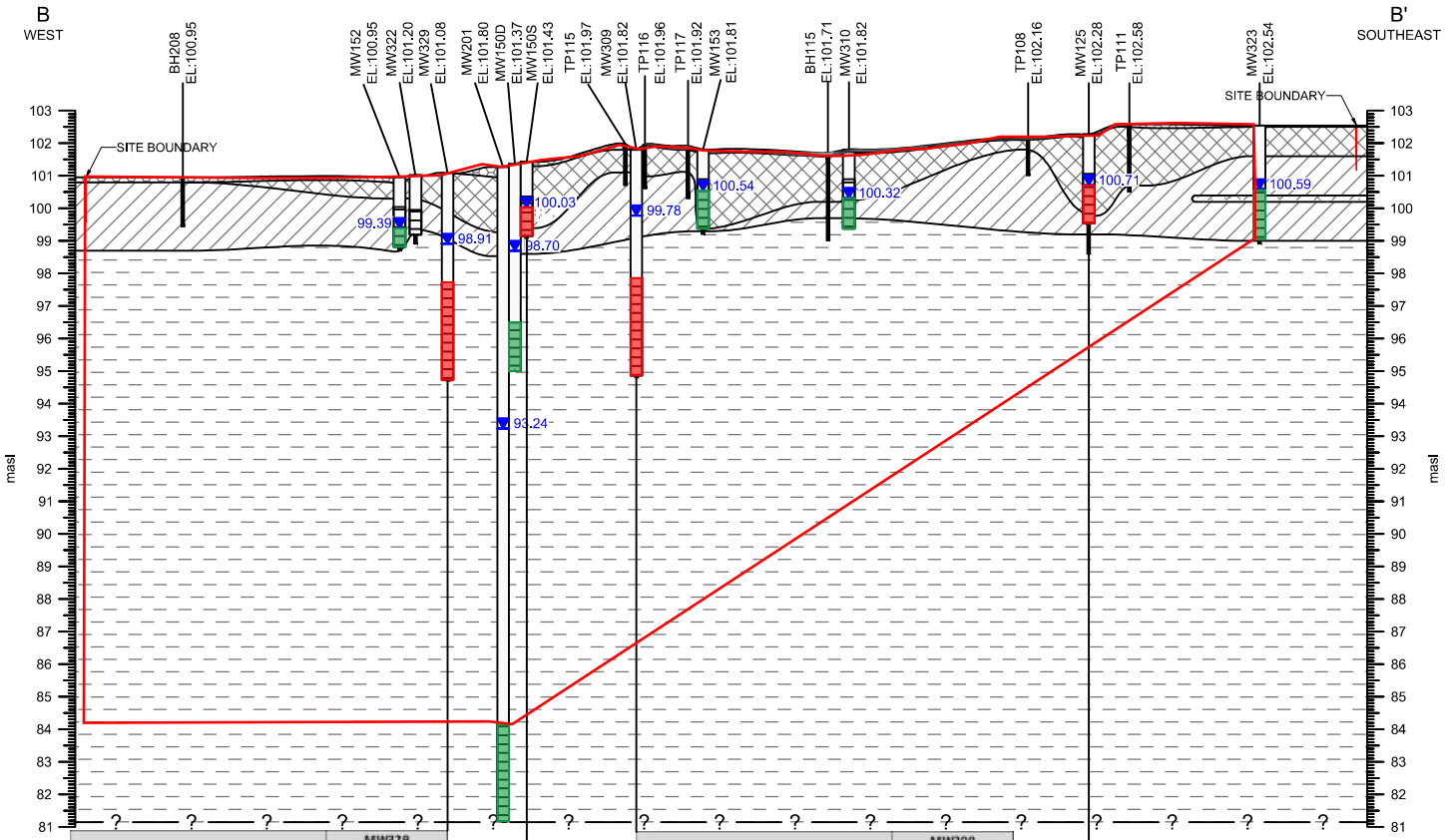

MW329	MW329
	12-Aug-2024
	4.88 - 6.4
Vinyl Chloride	3.52

MW309	MW309
	12-Aug-2024
	3.96 - 7.01
Vinyl Chloride	2.42

MW150S	MW150S	MW150S	MW150S	MW150S	MW150S	MW150S
	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023	24-Jun-2024
			1.06 - 2.29			
Cis-1,2-Dichloroethylene	21	2.9	24.5	10.2	11	3.5
Vinyl Chloride	21	2.4	54.1	39.3	23	21.2

MW125	MW125	MW125	MW125	MW125	MW125	MW125
	Aug 22'	Apr 23'	09/14/2023	19-Oct-2023	19-Oct-2023	24-Jun-2024
			1.22 - 2.74			
Cis-1,2-Dichloroethylene	0.72	87	4.62	1.67	2	13
Trichloroethylene	<0.20	11	<0.40	<0.20	<0.20	<0.20
Vinyl Chloride	<0.20	1.3	3.68	1.26	1.4	0.89

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 10 20 30 40 50 60 m

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION B-B'
GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	19G

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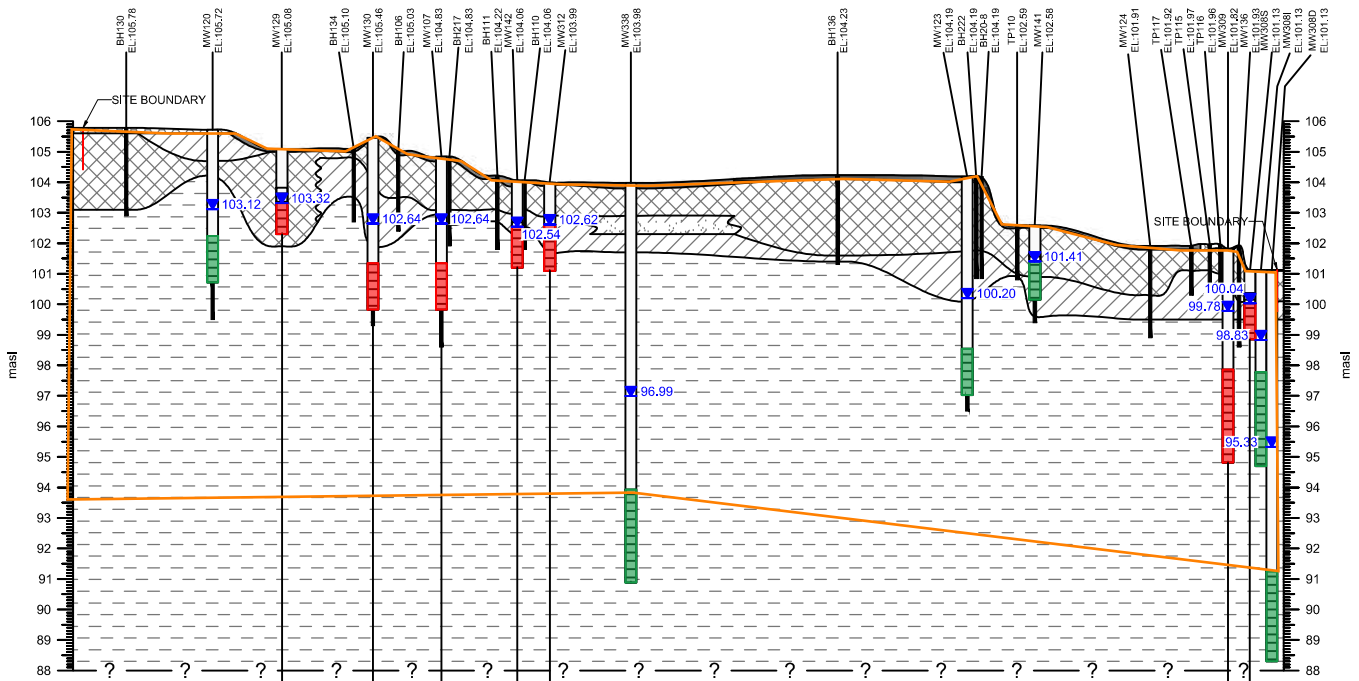
C
NORTHEAST

C'
SOUTHWEST



MW129	MW 129
	6-Aug-2024
	1.27 - 2.90
Trichloroethylene	16.7

MW130	MW130
	13-Jul-2023
	4.11 - 5.64
Trichloroethylene	13.1

MW107	MW107
	12-Jul-2023
	3.50 - 5.03
Cis-1,2-Dichloroethylene	113
Trichloroethylene	282
Vinyl Chloride	7.5

MW309	MW309
	12-Aug-2024
	3.96 - 7.01
Vinyl Chloride	2.42

MW312	MW312
	20-Oct-2023
	1.37 - 2.90
Cis-1,2-Dichloroethylene	883
Trans-1,2-Dichloroethylene	19.6
Trichloroethylene	16.4
Vinyl Chloride	184

MW308S	MW308S
	20-Oct-2023
	2.44 - 5.49
Cis-1,2-Dichloroethylene	157
Trichloroethylene	19.8
Vinyl Chloride	71.2

MW142	MW142	MW142	MW142	MW1422	MW142
	Aug 22'	Apr 23'	12-Jul-2023	12-Jul-2023	19-Oct-2023
	1.37 - 2.90			Field Duplicate of MW142	1.37 - 2.90
Cis-1,2-Dichloroethylene	160	170	219	236	130
Trichloroethylene	250	120	179	191	1.6
Vinyl Chloride	3.9	3	9.9	10.7	28

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified
" indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Non-detect but detection limit exceeds the MECP (2011) SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 20 40 60 80 100 m

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LEGEND:
- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs

TITLE AND LOCATION:
CROSS SECTION C-C'
GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 19H

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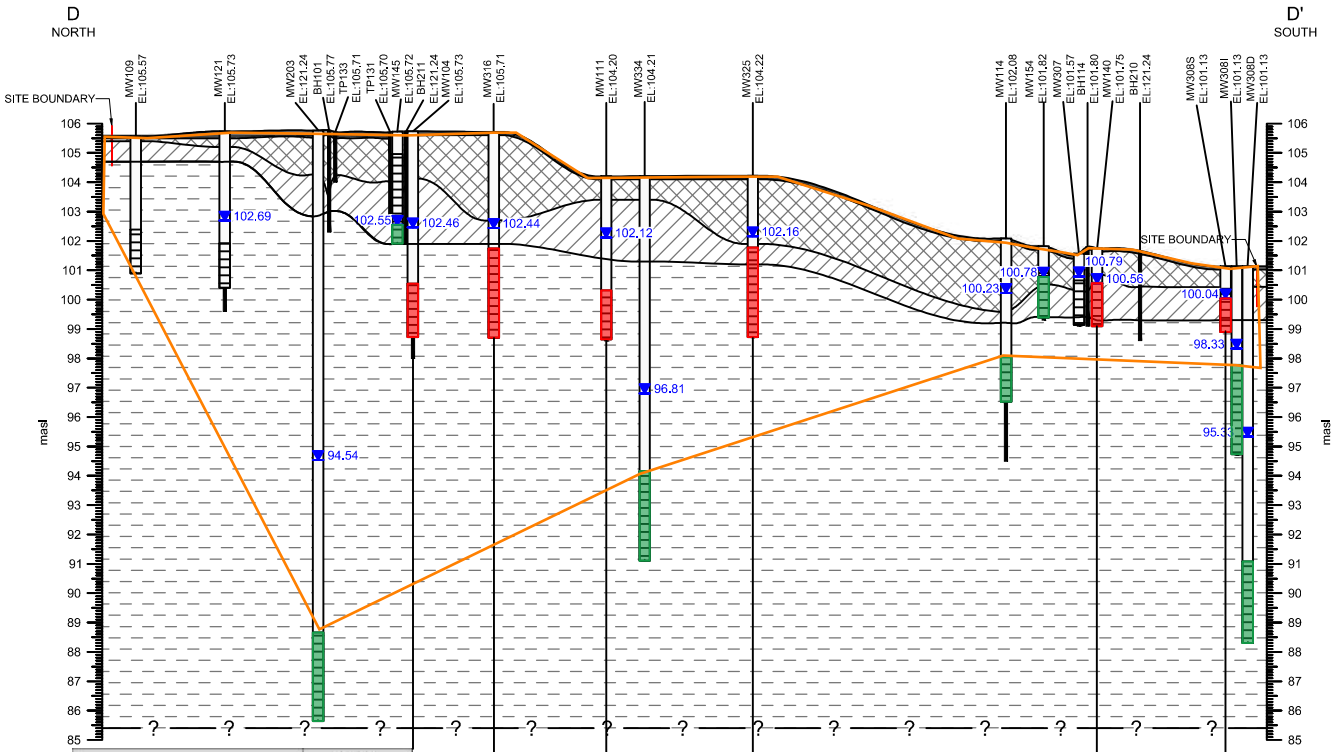

MW104	MW104
	13-Jul-2023
	5.18 - 7.01
Cis-1,2-Dichloroethylene	28
Vinyl Chloride	3.27

MW316	MW316
	13-Sep-2023
	3.96 - 7.01
Vinyl Chloride	1.75

MW111	MW111	MW1111	MW111
	13-Jul-2023	13-Jul-2023	17-Jul-2024
	3.89 - 5.56	Field Duplicate of MW111	3.89 - 5.56
Cis-1,2-Dichloroethylene	13.1	13.4	18.2
Trichloroethylene	3.15	3.21	8.12
Vinyl Chloride	2.11	1.68	1.46

MW325	MW325
	20-Oct-2023
	2.44 - 5.49
Cis-1,2-Dichloroethylene	186
Vinyl Chloride	25.7

MW308S	MW308S
	20-Oct-2023
	2.44 - 5.49
Cis-1,2-Dichloroethylene	157
Trichloroethylene	19.8
Vinyl Chloride	71.2

MW140	MW140	Duplicate of MW140	MW140	MW140	MW140	MW140
	Aug 22'	Aug 22'	Apr 23'	14-Sep-2023	19-Oct-2023	19-Oct-2023
	1.17 - 2.69	Duplicate of MW140	1.17 - 2.69			
Bromomethane	<0.50	<0.50	<2.5	<0.20	<0.20	<0.50
1,4-Dichlorobenzene	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40
Cis-1,2-Dichloroethylene	660	660	29	4.11	<0.20	1.2
Ethylene Dibromide (1,2-Dibromoethane)	<0.19	<0.19	<0.95	<0.10	<0.10	<0.19
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<2.5	<0.10	<0.10	<0.50
1,1,2,2-Tetrachloroethane	<0.40	<0.40	<2.0	<0.10	<0.10	<0.40
Vinyl Chloride	250	260	23	<0.17	<0.17	<0.20
1,3-Dichloropropene	<0.50	<0.50	<2.5	<0.30	<0.30	<0.50

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Bromomethane	0.89
1,2-Dichlorobenzene	3.00
1,4-Dichlorobenzene	1.00
Cis-1,2-Dichloroethylene	17
Trans-1,2-Dichloroethylene	0.75
Ethylene Dibromide (1,2-Dibromoethane)	0.2
1,1,1,2-Tetrachloroethane	1.1
1,1,2,2-Tetrachloroethane	1.0
Trichloroethylene	5.0
Vinyl Chloride	1.7
1,3-Dichloropropene	0.5

All concentrations reported in µg/g, unless otherwise specified

" indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR VOCs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR VOCs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION D-D'
GROUNDWATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	19I

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Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
1&2-Methylnaphthalene	3.2
Acenaphthene	4.1
Chrysene	0.1
Phenanthrene	1

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

MW129	MW 129
	6-Aug-2024
	1.27 - 2.90
Chrysene	0.11

MW207A	MW207A
	13-Aug-2024
	3.81 - 5.33
1&2-Methylnaphthalene	15
Chrysene	0.11
Phenanthrene	3.54

MW126	MW126	MW126
	13-Jul-2023	26-Jun-2024
	1.37 - 2.90	1.37 - 2.90
1&2-Methylnaphthalene	119	79
Acenaphthene	4.67	2.22
Phenanthrene	3.78	2.11

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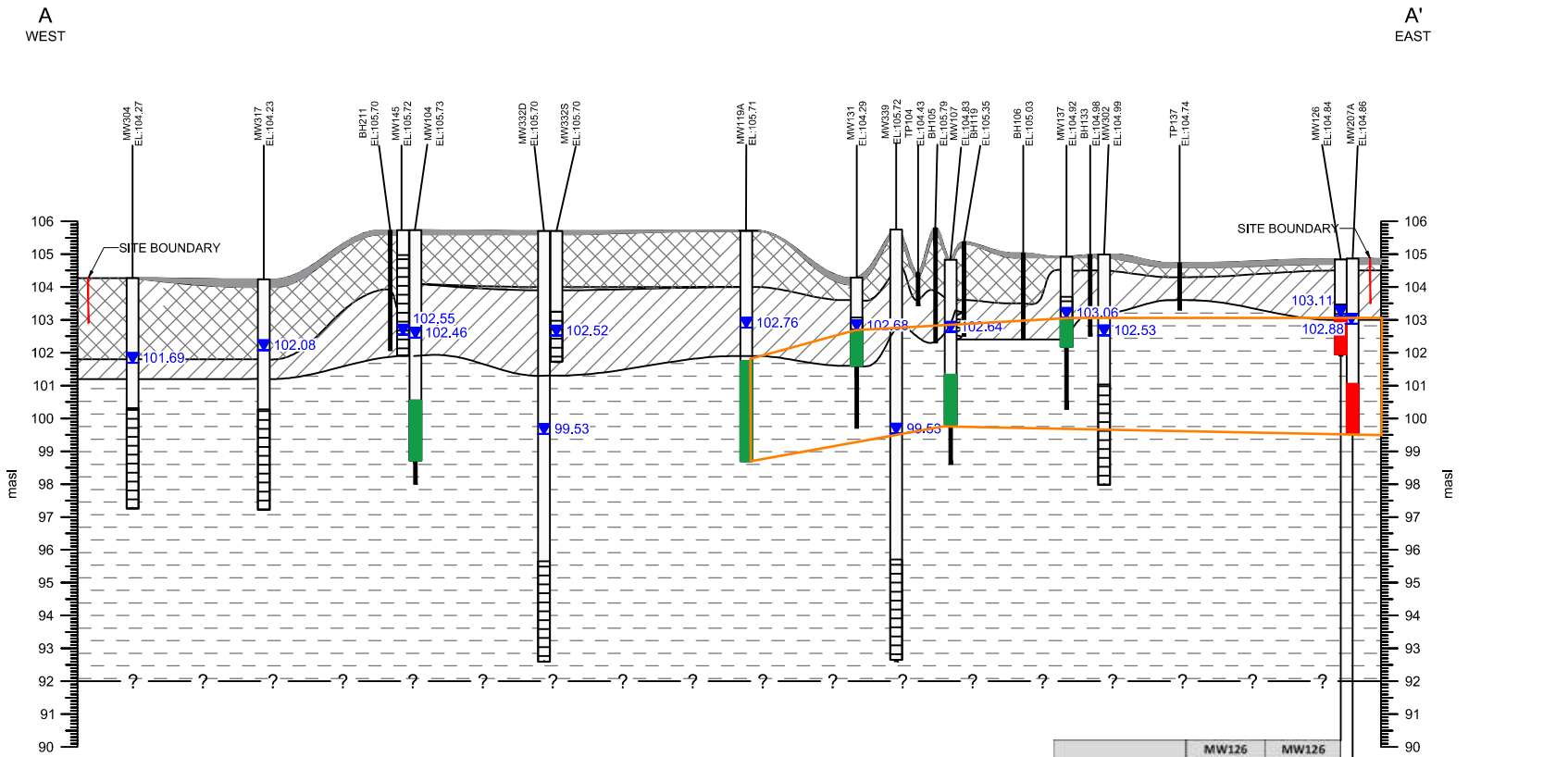
0 20 40 60 80 100 m

- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PAHs
- AREA OF CONTAMINATION [PAHs IN GROUNDWATER (OVERBURDEN)]
- AREA OF CONTAMINATION [PAHs IN GROUNDWATER (SHALE)]
- APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	20



MW126	MW126	MW126
	13-Jul-2023	26-Jun-2024
	1.37 - 2.90	1.37 - 2.90
1&2-Methylnaphthalene	119	79
Acenaphthene	4.67	2.22
Phenanthrene	3.78	2.11

MW207A	MW207A
	13-Aug-2024
	3.81 - 5.33
1&2-Methylnaphthalene	15
Chrysene	0.11
Phenanthrene	3.54

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Parameter	Table 2 SCS
	Concentration (µg/L)
1&2-Methylnaphthalene	3.2
Acenaphthene	4.1
Chrysene	0.1
Phenanthrene	1

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PAHs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION A-A'
GROUNDWATER ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	20A

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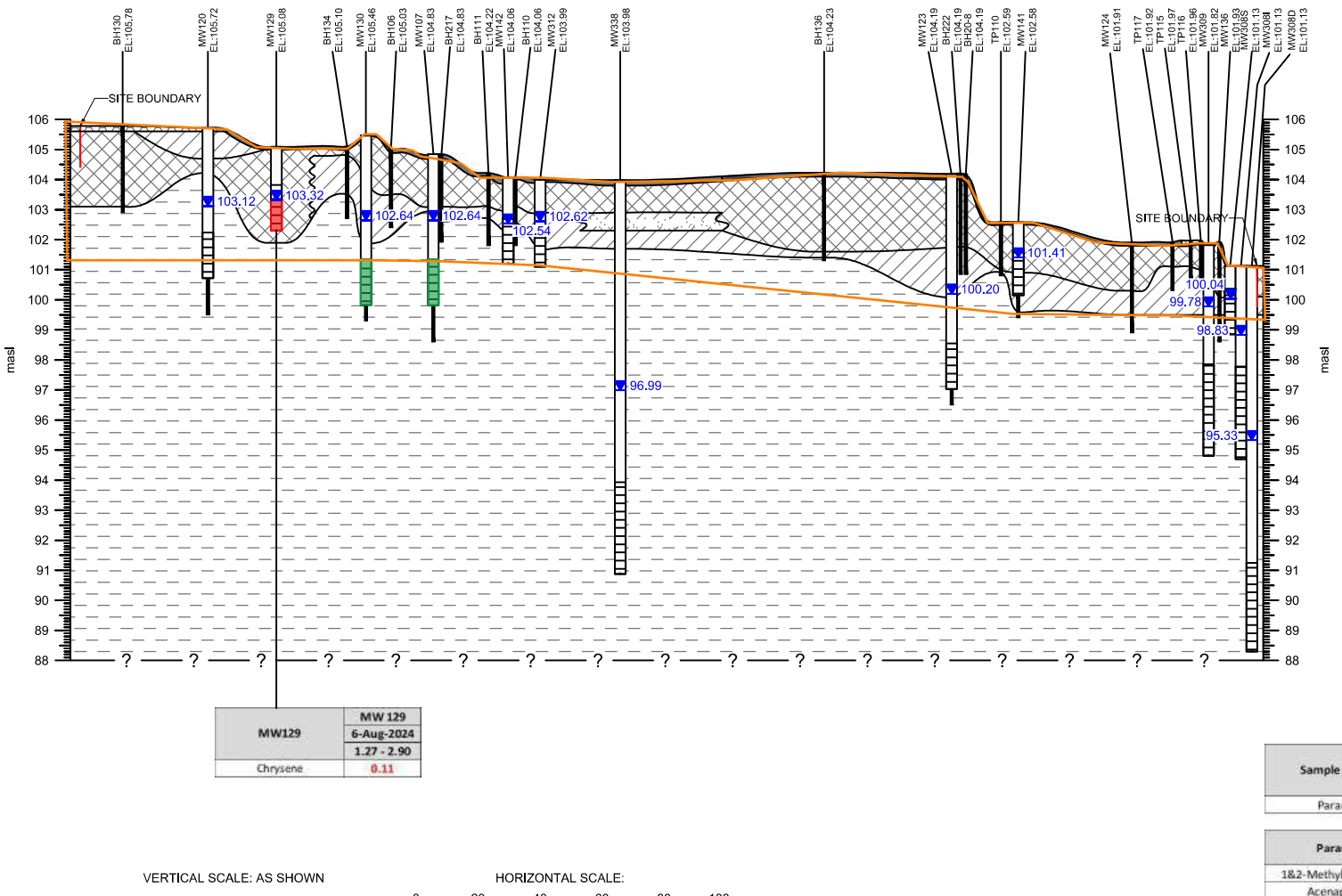
C
NORTHEAST

C'
SOUTHWEST



MW129	MW 129
	6-Aug-2024
	1.27 - 2.90
Chrysene	0.11

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
1&2-Methylnaphthalene	3.2
Acenaphthene	4.1
Chrysene	0.1
Phenanthrene	1

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

- CONCRETE
- ASPHALT
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR PAHs
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PAHs
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:
CROSS SECTION C-C'
GROUNDWATER ANALYTICAL RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	19H

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Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Cobalt	3.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

QUEEN ELIZABETH WAY

N SERVICE RD E

S SERVICE RD E

DAVIS RD

CHARTWELL RD

MW133 1.98-3.51

MW132S 1.22-2.74

MW132D 7.77-9.30

MW1 3.51-5.00

MW203 17.1-20.1

MW129 1.27-2.90

MW207A 3.81-5.33

MW332S 1.37 - 2.90

MW131 1.22-2.74

MW107 3.50-5.03

MW137 1.22-2.74

MW126 1.37-2.90

MW204 17.1-20.1

MW301 1.37 - 2.90

MW139 1.37-2.9

MW142 1.37-2.90

MW312 1.37-2.90

MW2 4.18 - 6.34

MW205 17.1-20.1

MW110S 1.04-2.62

MW138 1.98-3.51

MW131	MW131	
	26-Jun-2024	
	1.22 - 2.74	
Cobalt	6.29	

MW126	MW126	MW1266	MW126
	13-Jul-2023	13-Jul-2023	26-Jun-2024
	1.37 - 2.90	Field Duplicate of MW126	1.37 - 2.90
Cobalt	1.58	43.5	1.55

MW154	MW154	MW154	MW154
	14-Sep-2023	19-Oct-2023	25-Jun-2024
	0.91 - 2.43		
Cobalt	30	16.5	1.22

MW153	MW153	MW153
	19-Oct-2023	24-Jun-2024
	0.91 - 2.44	
Cobalt	3.87	1.2

MW155 0.91-2.44

MW306 0.91 - 2.44

MW154 0.91-2.43

MW141 0.91-2.44

MW307 0.91 - 2.44

MW327 3.66-5.18

MW328 1.52-3.05

MW311 3.66 - 4.11

MW201 17.1-20.1

MW150S 1.06-2.29

MW323 1.98-3.51

MW152 0.91-2.13

MW150D 4.88-6.40

MW153 0.91-2.44

MW125 1.22-2.74

100

0 20 40 60 80 100 m

GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR METALS

GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR METALS

AREA OF CONTAMINATION [METALS IN GROUNDWATER (OVERBURDEN)]

APPROXIMATE SITE BOUNDARY

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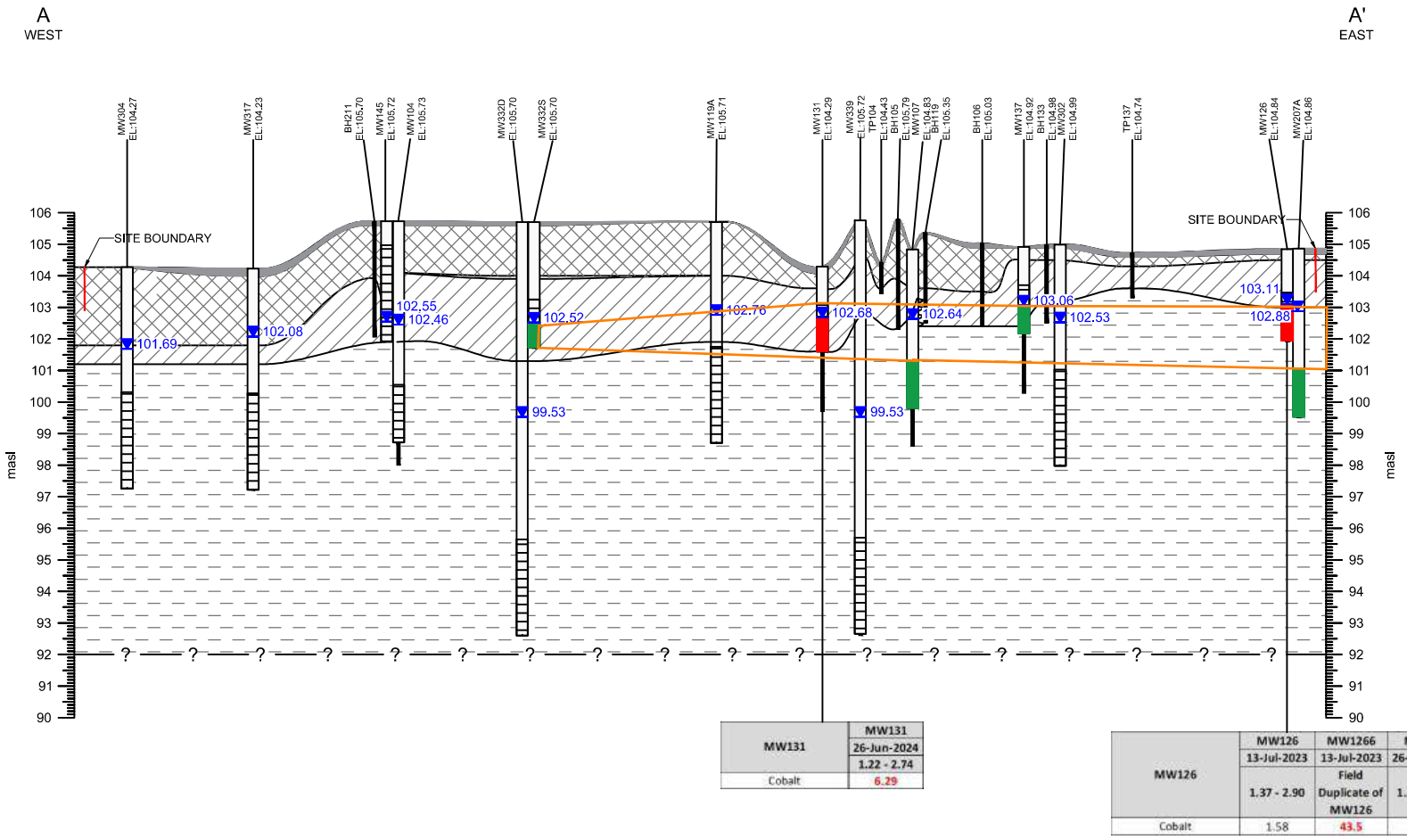
TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - METALS
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 21



MW131	MW131
	26-Jun-2024
	1.22 - 2.74
Cobalt	6.29

MW126	MW126	MW1266	MW126
	13-Jul-2023	13-Jul-2023	26-Jun-2024
	1.37 - 2.90	Field Duplicate of MW126	1.37 - 2.90
Cobalt	1.58	43.5	1.55

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Cobalt	3.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

- CONCRETE
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION A-A'
GROUNDWATER ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 21A

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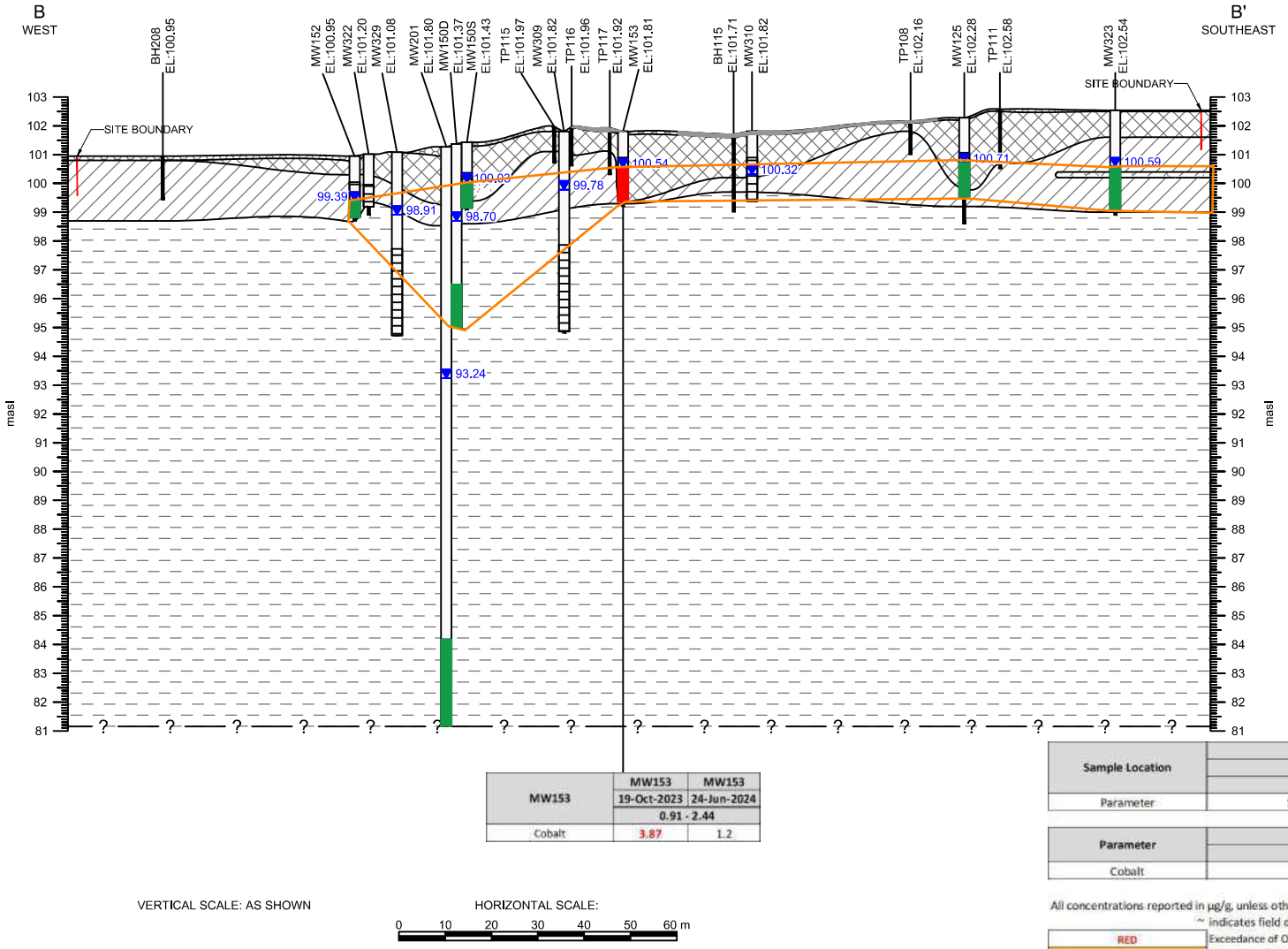

MW153	MW153	MW153
	19-Oct-2023	24-Jun-2024
	0.91 - 2.44	
Cobalt	3.87	1.2

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Cobalt	3.8

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 10 20 30 40 50 60 m

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION B-B'
GROUNDWATER ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 21B

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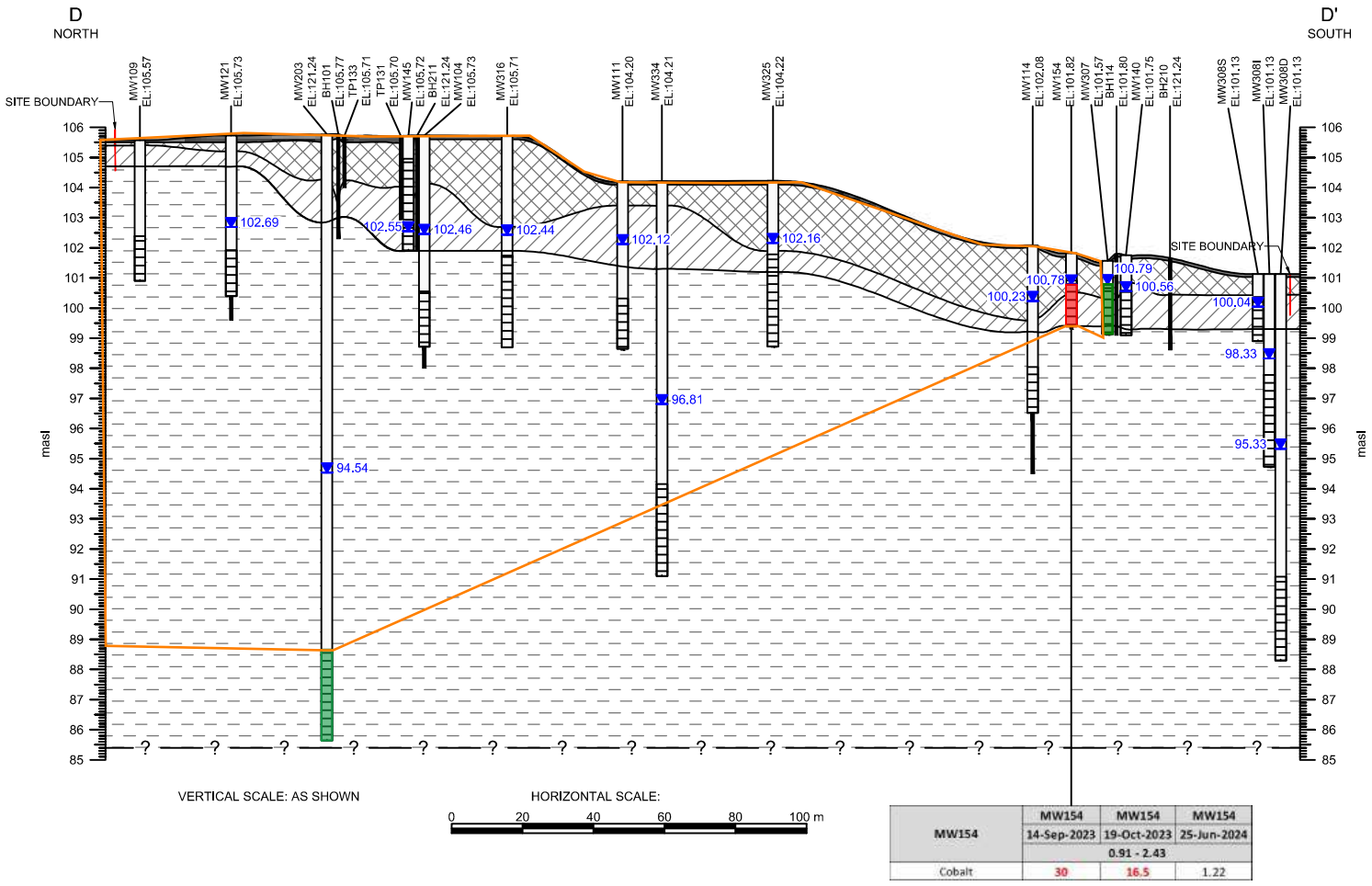

MW154	MW154	MW154	MW154
	14-Sep-2023	19-Oct-2023	25-Jun-2024
	0.91 - 2.43		
Cobalt	30	16.5	1.22

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Cobalt	3.8

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken
RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI
Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:
- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR METALS
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR METALS
- ESTIMATED EXTENT OF CONTAMINATED GROUNDWATER

TITLE AND LOCATION:

CROSS SECTION D-D'
GROUNDWATER ANALYTICAL RESULTS - METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 21C

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Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Selenium	10

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

MW203	MW203	MW2033	MW203	MW2033	MW203
	13-Jul-2023	13-Jul-2023	13-Sep-2023	13-Sep-2023	26-Jun-2024
	17.1 - 20.1	Field Duplicate of MW203	17.1 - 20.1	Field Duplicate of MW203	17.1 - 20.1
Selenium	9	10.2	9.4	7.5	2.4

MW201	MW201	MW2011	MW201	MW201
	14-Sep-2023	14-Sep-2023	19-Oct-2023	24-Jun-2024
	17.1 - 20.1	Field Duplicate of MW201	17.1 - 20.1	17.1 - 20.1
Selenium	17.6	20.2	13.9	3.8

QUEEN ELIZABETH WAY
N SERVICE RD E
S SERVICE RD E
DAVIS RD
CHARTWELL RD
TOD

MW133 1.98-3.51
MW132S 1.22-2.74
MW132D 7.77-9.30
MW1 3.51-5.00
MW203 17.1-20.1
MW129 1.27-2.90
MW207A 3.81-5.33
MW332S 1.37 - 2.90
MW131 1.22-2.74
MW107 3.50-5.03
MW137 1.22-2.74
MW126 1.37-2.90
MW204 17.1-20.1
MW139 1.37-2.9
MW142 1.37-2.90
MW301 1.37 - 2.90
MW2 4.18 - 6.34
MW205 17.1-20.1
MW110S 1.04-2.62
MW138 1.98-3.51
MW155 0.91-2.44
MW306 0.91 - 2.44
MW154 0.91-2.43
MW141 0.91-2.44
MW307 0.91 - 2.44
MW327 3.66-5.18
MW328 1.52-3.05
MW311 3.66 - 4.11
MW150S 1.06-2.29
MW323 1.98-3.51
MW152 0.91-2.13
MW201 17.1-20.1
MW150D 4.88-6.40
MW153 0.91-2.44
MW125 1.22-2.74

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N

0 20 40 60 80 100 m

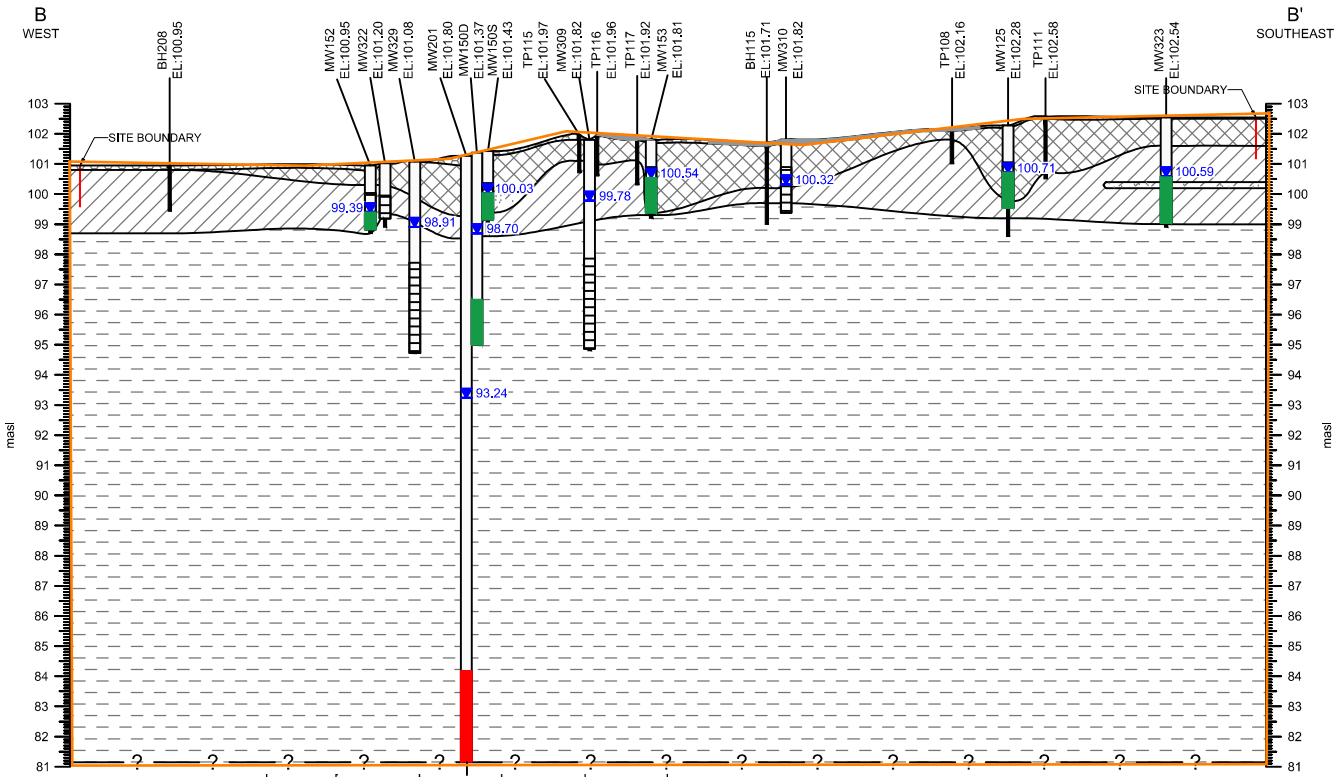
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR HYDRIDE-FORMING METALS
- APPROXIMATE SITE BOUNDARY

NOTE: LOCATION IN PROCESS OF BEING RE-SAMPLED

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - HYDRIDE-FORMING METALS
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 22



	MW201 14-Sep-2023	MW2011 14-Sep-2023	MW201 19-Oct-2023	MW201 24-Jun-2024
MW201	17.1 - 20.1	Field Duplicate of MW201	17.1 - 20.1	17.1 - 20.1
Selenium	17.6	20.2	13.9	3.8

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:
0 10 20 30 40 50 60 m

Note: Additional sampling events, planned.

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Selenium	10

All concentrations reported in µg/g, unless otherwise specified
~ indicates field duplicate sample taken

RED	Exceedance of O.Reg 153/04 Table 2 SCS RPI
	Non-detect but detection limit exceeds the MECP (2011) SCS

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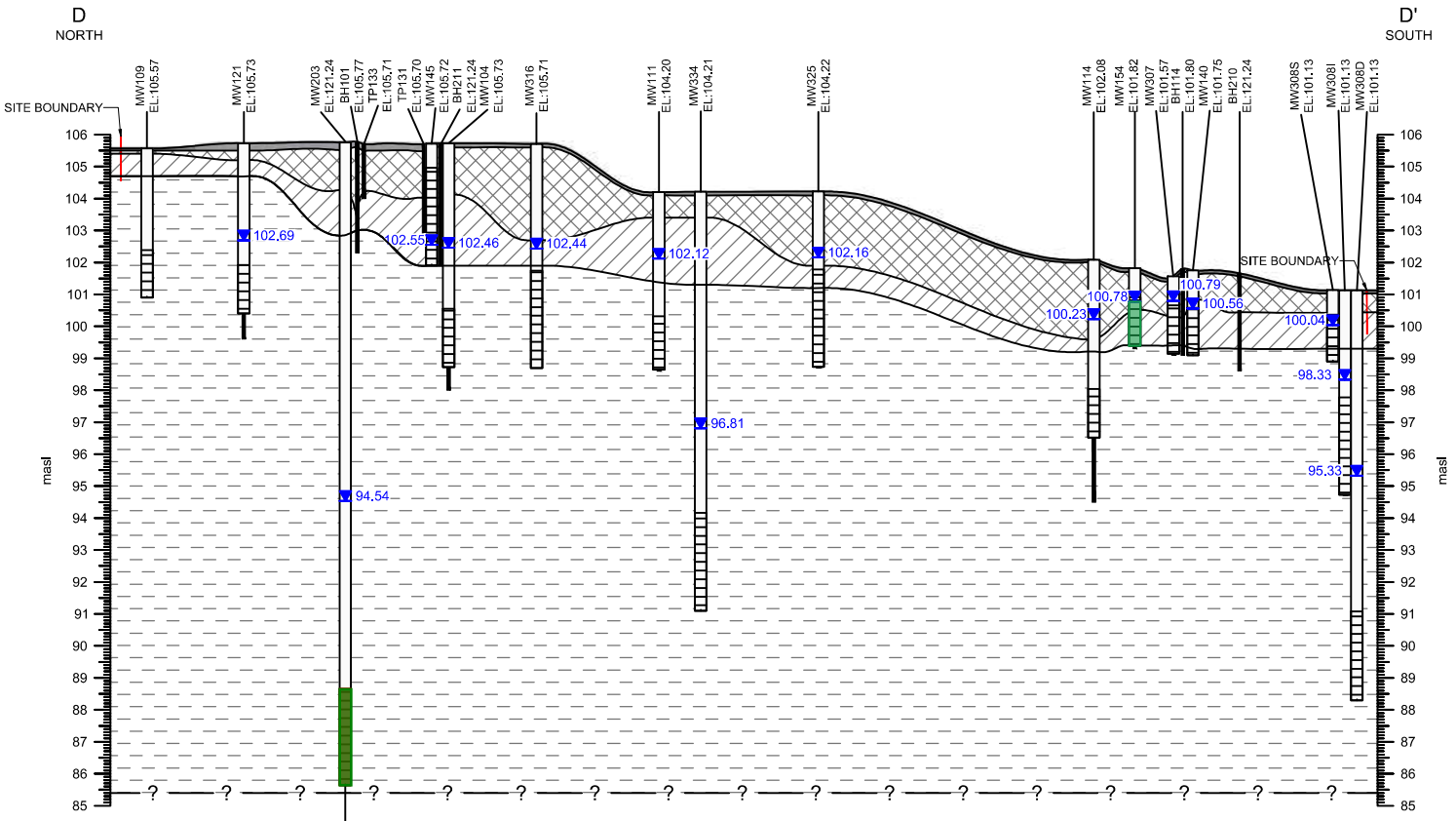
LEGEND:
- CONCRETE
- TOPSOIL
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR HF METALS
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR HF METALS

TITLE AND LOCATION:

CROSS SECTION B-B'
GROUNDWATER ANALYTICAL RESULTS - HYDRIDE-FORMING METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE: AS NOTED	CK: JH
DATE: SEPTEMBER 2024	FIG. NO.: 22A

\\exp\data\BRM\GTR-23006348-E1\60 Execution\65 Drawings\GIS\Phase Two - CAD\GTR-23006348-E1.dwg



MW203	MW203	MW2033	MW203	MW2033	MW203
	13-Jul-2023	13-Jul-2023	13-Sep-2023	13-Sep-2023	26-Jun-2024
	17.1 - 20.1	Field Duplicate of MW203	17.1 - 20.1	Field Duplicate of MW203	17.1 - 20.1
Selenium	9	10.2	9.4	7.5	2.4

VERTICAL SCALE: AS SHOWN

HORIZONTAL SCALE:

0 20 40 60 80 100 m

Sample Location	Sample ID
	Sample Date
	Screen Interval (m bgs)
Parameter	Sample Concentration (µg/L)

Parameter	Table 2 SCS
	Concentration (µg/L)
Selenium	10

All concentrations reported in µg/g, unless otherwise specified

~ indicates field duplicate sample taken

RED — Exceedance of O.Reg 153/04 Table 2 SCS RPI

Non-detect but detection limit exceeds the MECP (2011) SCS

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LEGEND:

- CONCRETE
- ASPHALT
- FILL
- SILTY SAND
- SILTY CLAY TILL
- SHALE BEDROCK
- GROUNDWATER ELEVATION (masl) AS MEASURED ON SEPTEMBER 10, 2024
- GROUNDWATER SAMPLE EXCEEDS TABLE 2 SCS FOR HF METALS
- GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR HF METALS

TITLE AND LOCATION:

CROSS SECTION D-D'
GROUNDWATER ANALYTICAL RESULTS - HYDRIDE-FORMING METALS
PHASE TWO ESA
420 & 468 SOUTH SERVICE ROAD
OAKVILLE, ONTARIO

PROJECT NO.:	DWN.:
GTR-23006348-E1	MS
SCALE:	CK:
AS NOTED	JH
DATE:	FIG. NO.:
SEPTEMBER 2024	22B

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All concentrations reported in µg/L, unless otherwise specified .
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0 20 40 60 80 100 m

GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR ORPs

APPROXIMATE SITE BOUNDARY

NOTE: ORPs INCLUDING HEXAVALENT CHROMIUM [Cr (VI)] AND MERCURY (Hg)

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - OTHER REGULATED PARAMETERS (ORPs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE:	CHKD:
AS NOTED	JH
DATE:	FIG. No.:
AUGUST 2024	23

All concentrations reported in µg/L, unless otherwise specified .
~ indicates field duplicate sample taken

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0 20 40 60 80 100 m

GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR METHYL MERCURY

APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - METHYL MERCURY
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.:	DWN:
GTR-23006348-E1	AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 24

All concentrations reported in µg/L, unless otherwise specified .
~ indicates field duplicate sample taken

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0 20 40 60 80 100 m

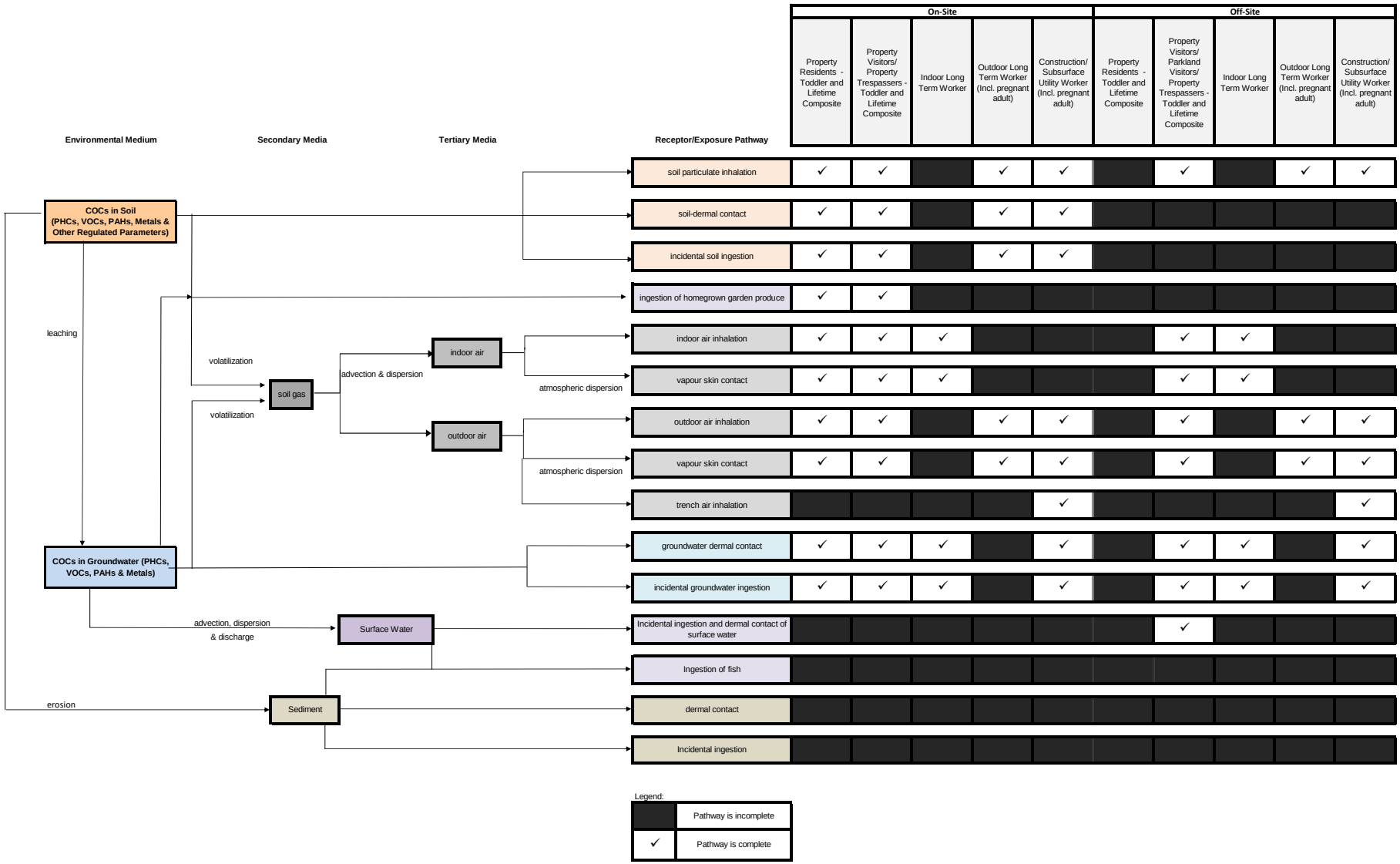
GROUNDWATER SAMPLE MEETS TABLE 2 SCS FOR PCBs

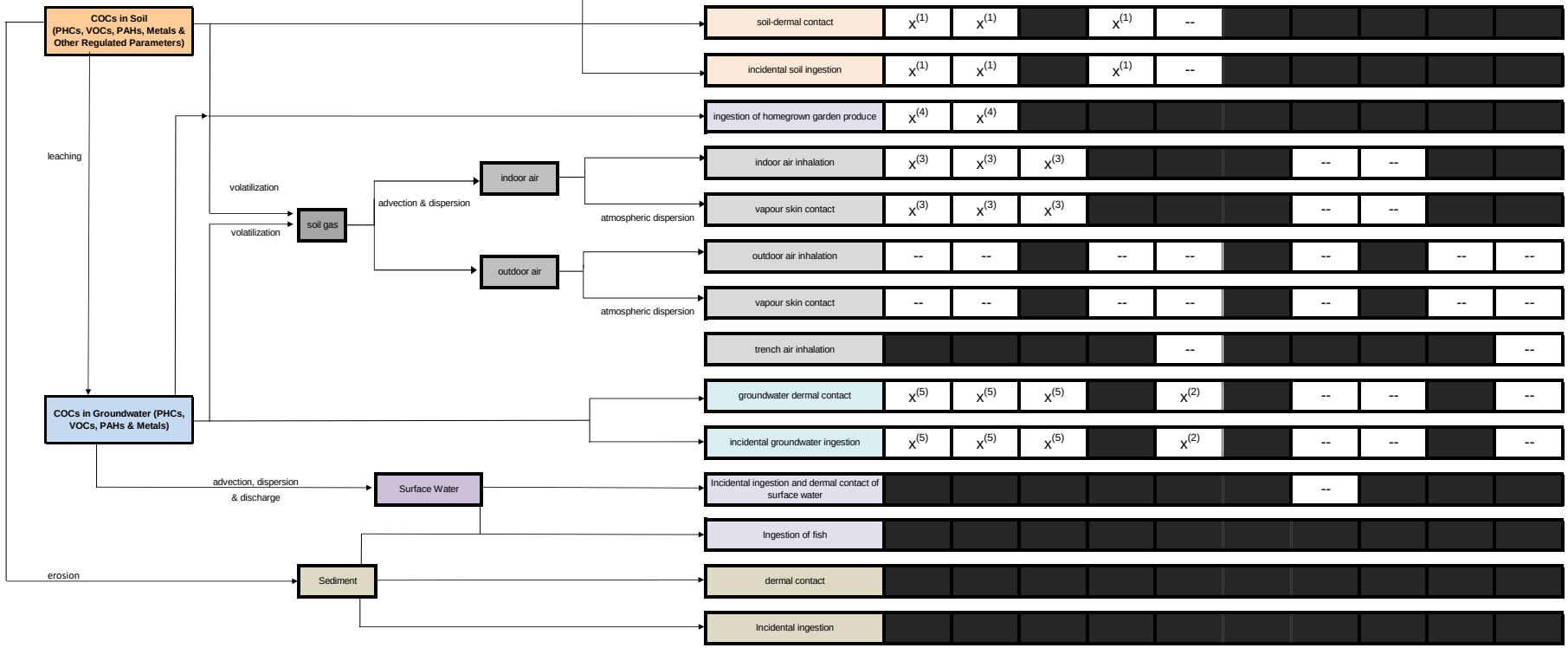
APPROXIMATE SITE BOUNDARY

TITLE AND LOCATION:

GROUNDWATER ANALYTICAL RESULTS - POLYCLORINATED BIPHENYLS (PCBs)
Phase Two Environmental Site Assessment
420 & 468 South Service Road
Oakville, Ontario

PROJECT No.: GTR-23006348-E1	DWN: AC
SCALE: AS NOTED	CHKD: JH
DATE: AUGUST 2024	FIG. No.: 25


Environmental Medium
Secondary Media
Tertiary Media
Receptor/Exposure Pathway
On-Site
Off-Site
Property Residents - Toddler and Lifetime Composite
Property Visitors/ Property Trespassers - Toddler and Lifetime Composite
Indoor Long Term Worker
Outdoor Long Term Worker (Incl. pregnant adult)
Construction/ Subsurface Utility Worker (Incl. pregnant adult)
Property Residents - Toddler and Lifetime Composite
Property Visitors/ Parkland Visitors/ Property Trespassers - Toddler and Lifetime Composite
Indoor Long Term Worker
Outdoor Long Term Worker (Incl. pregnant adult)
Construction/ Subsurface Utility Worker (Incl. pregnant adult)
COCs in Soil (PHCs, VOCs, PAHs, Metals & Other Regulated Parameters)
COCs in Groundwater (PHCs, VOCs, PAHs & Metals)
leaching
volatilization
volatilization
soil gas
advection & dispersion
indoor air
outdoor air
atmospheric dispersion
atmospheric dispersion
advection, dispersion & discharge
Surface Water
erosion
Sediment
soil particulate inhalation
soil-dermal contact
incidental soil ingestion
ingestion of homegrown garden produce
indoor air inhalation
vapour skin contact
outdoor air inhalation
vapour skin contact
trench air inhalation
groundwater dermal contact
incidental groundwater ingestion
Incidental ingestion and dermal contact of surface water
Ingestion of fish
dermal contact
Incidental ingestion
Legend:
Pathway is incomplete
Pathway is complete

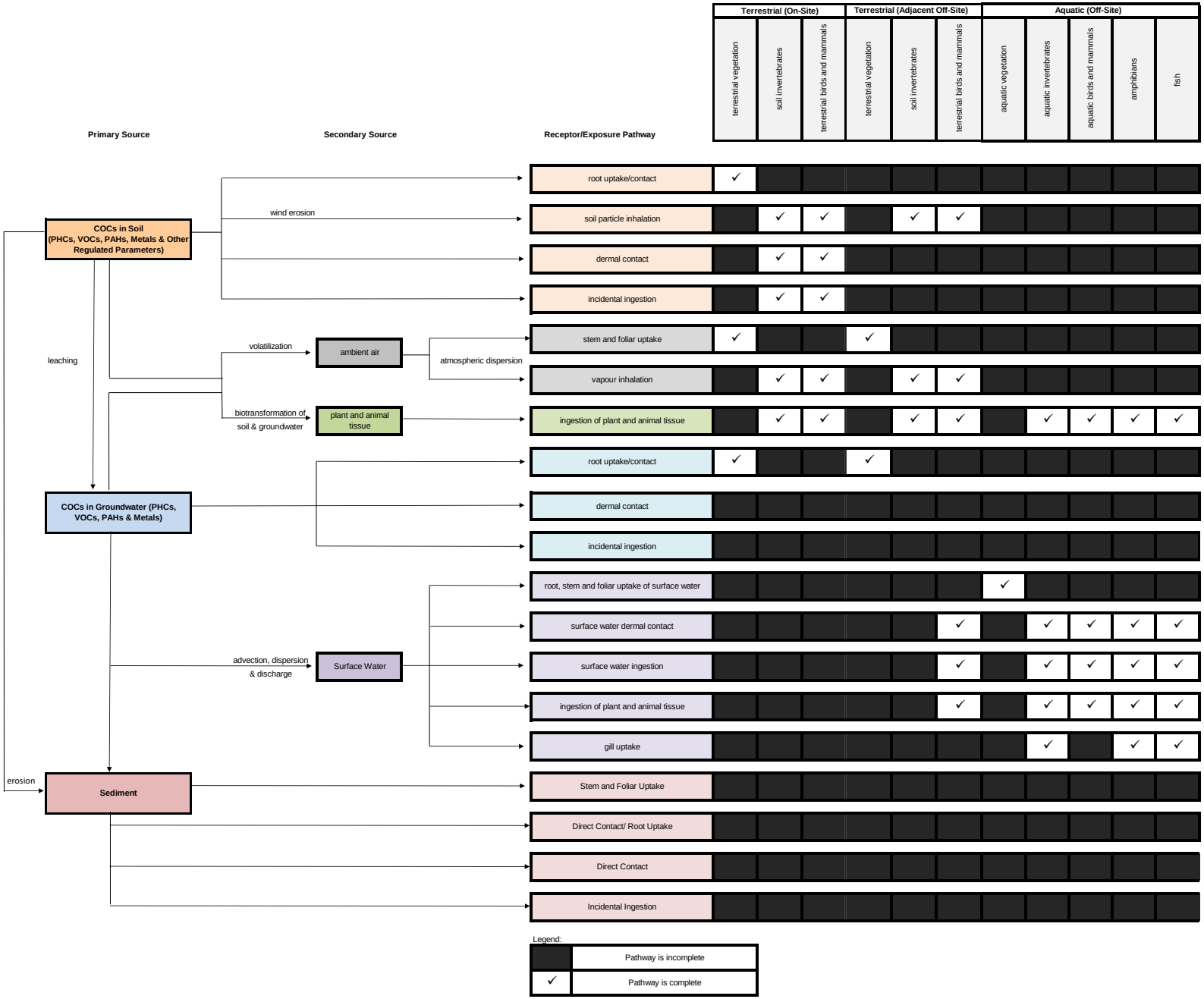


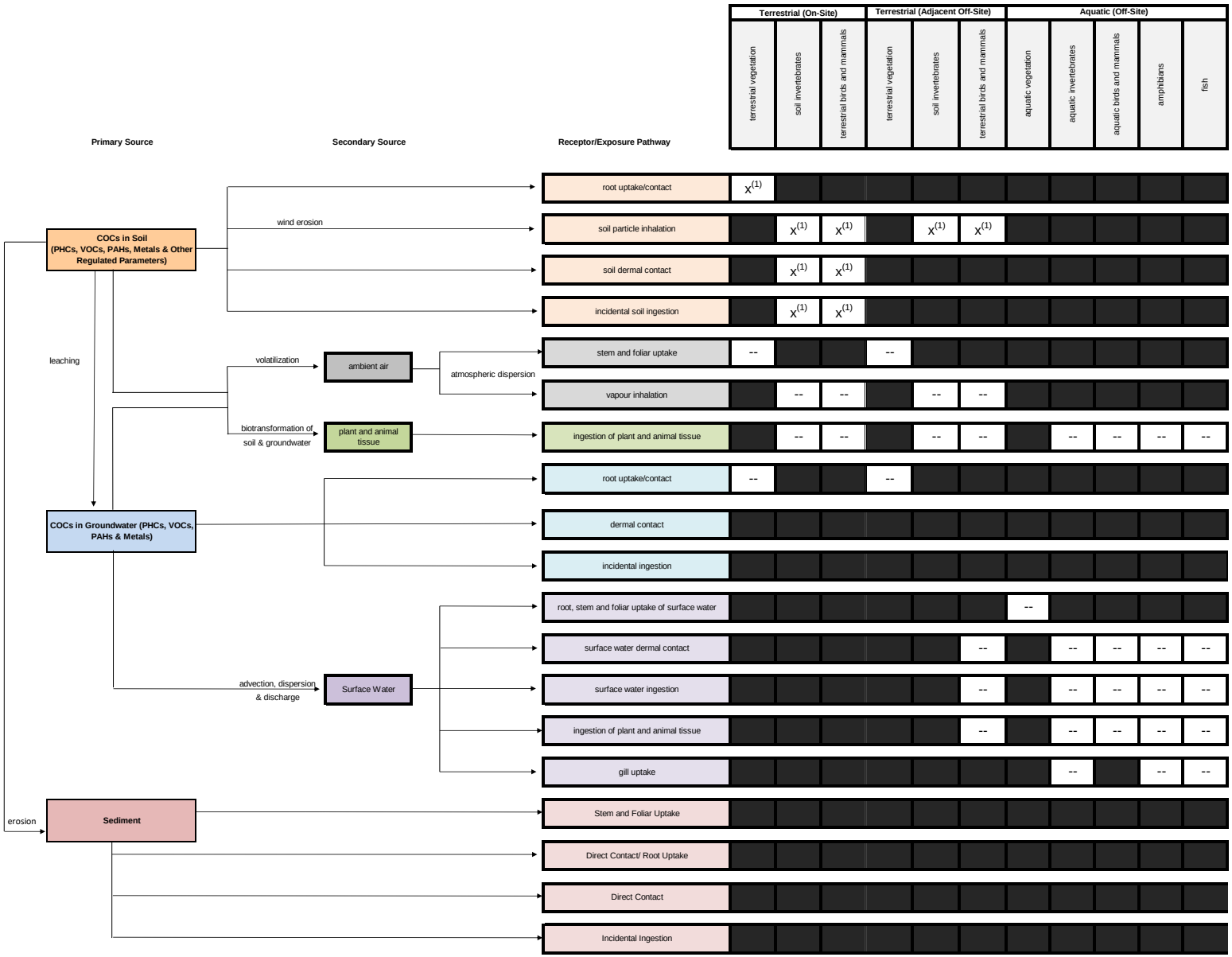
Receptor/Exposure Pathway	On-Site					Off-Site				
	Property Residents - Toddler and Lifetime Composite	Property Visitors/ Property Trespassers - Toddler and Lifetime Composite	Indoor Long Term Worker	Outdoor Long Term Worker (Incl. pregnant adult)	Construction/ Subsurface Utility Worker (Incl. pregnant adult)	Property Residents - Toddler and Lifetime Composite	Property Visitors/ Parkland Visitors/ Property Trespassers - Toddler and Lifetime Composite	Indoor Long Term Worker	Outdoor Long Term Worker (Incl. pregnant adult)	Construction/ Subsurface Utility Worker (Incl. pregnant adult)
soil particulate inhalation	X(1)	X(1)		X(1)	--		X(1)		X(1)	X(1)
soil-dermal contact	X(1)	X(1)		X(1)	--					
incidental soil ingestion	X(1)	X(1)		X(1)	--					
ingestion of homegrown garden produce	X(4)	X(4)								
indoor air inhalation	X(3)	X(3)	X(3)				--	--		
vapour skin contact	X(3)	X(3)	X(3)				--	--		
outdoor air inhalation	--	--		--	--		--		--	--
vapour skin contact	--	--		--	--		--		--	--
trench air inhalation					--					--
groundwater dermal contact	X(5)	X(5)	X(5)		X(2)		--	--		--
incidental groundwater ingestion	X(5)	X(5)	X(5)		X(2)		--	--		--
Incidental ingestion and dermal contact of surface water							--			
Ingestion of fish										
dermal contact										
Incidental ingestion										

RMM to be applied at the Site may include:
(1) hard cap/fill cap
(2) health and safety plan
(3) vapour mitigation system
(4) Prohibition on planting of fruits/vegetables for consumption
(5) Prohibition on installation of potable wells

Legend:

	Pathway is incomplete
--	Pathway is complete but potential risks are not anticipated
X	Pathway is Blocked by RMM


Terrestrial (On-Site)
Terrestrial (Adjacent Off-Site)
Aquatic (Off-Site)
terrestrial vegetation
soil invertebrates
terrestrial birds and mammals
terrestrial vegetation
soil invertebrates
terrestrial birds and mammals
aquatic vegetation
aquatic invertebrates
aquatic birds and mammals
amphibians
fish
Primary Source
Secondary Source
Receptor/Exposure Pathway
COCs in Soil (PHCs, VOCs, PAHs, Metals & Other Regulated Parameters)
wind erosion
leaching
volatilization
ambient air
atmospheric dispersion
biotransformation of soil & groundwater
plant and animal tissue
COCs in Groundwater (PHCs, VOCs, PAHs & Metals)
advection, dispersion & discharge
Surface Water
erosion
Sediment
root uptake/contact
soil particle inhalation
dermal contact
incidental ingestion
stem and foliar uptake
vapour inhalation
ingestion of plant and animal tissue
root uptake/contact
dermal contact
incidental ingestion
root, stem and foliar uptake of surface water
surface water dermal contact
surface water ingestion
ingestion of plant and animal tissue
gill uptake
Stem and Foliar Uptake
Direct Contact/ Root Uptake
Direct Contact
Incidental Ingestion
Legend:
Pathway is incomplete
Pathway is complete


Terrestrial (On-Site)
Terrestrial (Adjacent Off-Site)
Aquatic (Off-Site)
terrestrial vegetation
soil invertebrates
terrestrial birds and mammals
terrestrial vegetation
soil invertebrates
terrestrial birds and mammals
aquatic vegetation
aquatic invertebrates
aquatic birds and mammals
amphibians
fish
Primary Source
Secondary Source
Receptor/Exposure Pathway
COCs in Soil (PHCs, VOCs, PAHs, Metals & Other Regulated Parameters)
COCs in Groundwater (PHCs, VOCs, PAHs & Metals)
Sediment
leaching
erosion
wind erosion
volatilization
biotransformation of soil & groundwater
advection, dispersion & discharge
ambient air
plant and animal tissue
Surface Water
atmospheric dispersion
root uptake/contact
soil particle inhalation
soil dermal contact
incidental soil ingestion
stem and foliar uptake
vapour inhalation
ingestion of plant and animal tissue
root uptake/contact
dermal contact
incidental ingestion
root, stem and foliar uptake of surface water
surface water dermal contact
surface water ingestion
ingestion of plant and animal tissue
gill uptake
Stem and Foliar Uptake
Direct Contact/ Root Uptake
Direct Contact
Incidental Ingestion
X(1)
--
RMM to be applied at the Site may include:
(1) hard cap/fill cap
Legend:
Pathway is incomplete
-- Pathway is complete but potential risks are not anticipated
X Pathway is blocked by RMM

Tables

Table G-1 – Summary of Previous Reports

420 and 468 South Service Road East, Oakville, Ontario

EXP was provided with numerous reports for the Site from 1990 to 2024. It is noted that the reports dated 1990 to 2006 will be used for reference purposes only. As the Site contains two (2) municipal addresses, unless otherwise noted, the Site includes both address (i.e. 420 and 468 South Service Road). The following reports were reviewed by EXP:

Date	Report Title	Prepared For	Prepared By	Findings
July 2007	*General Electric Consumer & Industrial – Phase I Environmental Site Assessment, 468 South Service Road East, Oakville, Ontario*	GE Consumer & Industrial	AMEC Earth & Environmental Inc. (AMEC)	A Phase I ESA was completed for the northeast portion of the Site, addressed as 468 South Service Road East, the following information was noted: • The Phase I ESA was prepared for a portion of the current Site; the northeast corner of the Site. • The Phase I ESA was prepared in general accordance with CSA Standard Z768-01 and was intended for due diligence purposes. • The Site was noted to be occupied the Oakville Lamp Plant (OLP) and consisted of three (3) office buildings and two (2) portable offices and was approximately 1.5 acres. • The following potentially contaminating activities (PCAs) were identified for the Site: o A gasoline service station historically was present on-Site. o Previous investigations and remedial activities, which took place between 1994 and 1995, did not include the confirmatory analysis; therefore, AMEC could not compare results to the current guidelines. o Three (3) historic gasoline underground storage tanks (USTs) were located on the northwest portion of this portion of the Site. o One (1) historic waste oil UST located east of the office building. • Based on the findings of the Phase I ESA described above, a Phase II ESA was recommended to assess soil and groundwater conditions at the Property.
March 19, 2012	*Demolition Project Summary Report – GE Oakville Lamp Plant, 420 & 468 South Service Road East, Oakville, Ontario*	General Electric Inc.	Pinchin Environmental (Pinchin)	A Demolition Report was completed for the Site, addressed as 420 & 468 South Service Road East, the following information was noted: • The work was completed between August and December 2012, of which the following activities occurred: o Abatement of asbestos was performed prior to demolition. o Any hazardous waste was disposed in the proper manner of prior to demolition. o Demolition included all on-Site building to the concrete slab, with the exception of the main office (heritage building). • Fill materials (granular B) of a known quality were brought onto the Site to fill tunnels, pits, trenches, and basements.
November 2013	*Underground Storage Tank Removal Report – Former General Electric Canada Lighting Facility, 420 South Service Road East, Oakville, Ontario*	GE Canada	AECOM	An Underground Storage Tank Removal Report was completed for the Site, addressed as 420 South Service Road East, the following information was noted: • The UST removal was completed concurrently with a Phase II ESA provided under a separate cover. • The UST was located on the northcentral portion of the Site. • Two (2) 10,000-gal fuel oil USTs were removed, and the USTs were noted to be out of service. In addition, the removal of the associated piping, 1283.33 tonnes of impacted soil and approximately 179,688 L of water was pumped from the USTs and removed to an off-site facility for disposal. • It is noted that during the removal of the USTs, two (2) monitoring wells (MW119S and MW119D) were decommissioned.
February 2014	*Draft Phase One Environmental Site Assessment, 420 and 468 South Service Road East, Oakville, Ontario*	GE Canada	AECOM	A Phase One ESA was completed for the Site, addressed as 420 & 468 South Service Road East, the following information was noted: • The Phase One ESA was prepared in general accordance with the Phase One ESA standard as defined by O. Reg. 153/04 and was intended to facilitate the filing of a RSC. • The Site was noted to be vacant, except for the main office area (heritage building), located along the northern boundary of the Site. The Site was approximately 11.4 hectares (28.26 acres). The remainder of the buildings had been removed. • The Site was formerly occupied by the General Electric (GE) Oakville East Lighting Facility (light manufacturing) from 1946 to 2010 at 420 South Service Road, with a gas station/vehicle service centre, at 468 South Service Road, from the mid-1940s to the late-1950s. • The following USTs were identified for the Site: o One (1) exterior fuel oil UST was located north of Building 5 in 1966 (located at the north-central portion of the Site). It was noted to be taken out of service in 1975; however, no documentation was available for the decommissioning of the UST. o Three (3) former gasoline USTs were located on the northeast portion of the Site. It was noted these USTs were removed in the 1990s; however, the limited confirmatory samples did not meet the MECP (2011) Site Condition Standards (SCS).

Date	Report Title	Prepared For	Prepared By	Findings
				○ One (1) exterior acid tank UST (or potentially AST) was located east of Building 5 (located at the north-central portion of the Site). It was noted that no documentation relating to the tank was provided. ○ Two (2) interior fuel oil USTs were located in the northeast corner of Building 2 (located at the north-central portion of the Site). They were noted to be out of service; however, no documentation was available for the decommissioning of the UST. ○ One (1) interior production UST was located in the centre of Building 1 (located at the northwest portion of the Site). It is noted to be used as part of the recirculation system; however, no documentation was available for the decommissioning of the UST. ○ One (1) waste oil UST was located east of the sales office (Building 7) (located at the northeast portion of the Site). It was noted that the UST was removed in 1994; however, the limited confirmatory samples did not meet the MECP (2011) Site Condition Standards (SCS). ○ One (1) potential fuel oil UST may be located adjacent or beneath Building 7 (located at the northeast portion of the Site). • Based on the findings of this Phase One ESA thirty-two (32) Areas of Potential Environmental Concerns (APECs) were identified. **On-Site APECs** ▪ APEC 1 – Lighting Manufacturing Operations from 1948 to 2010. ▪ APEC 2 – Unknown Berm Fill Quality. ▪ APEC 3 – Brite Dip Tank. ▪ APEC 4 – Sanitary Sewer Line. ▪ APEC 5 – East Ditch Area – Process discharges to storm sewer from Building 1A and to east ditch. ▪ APEC 6 – Out-of-Service Fuel UST (fuel oil tank labeled with the number “5”). ▪ APEC 7 – Former USTs and Service Centre Operations. ▪ APEC 8 – TCE and Hg Remediation Area. ▪ APEC 9 – Historical Dumping Pit. ▪ APEC 10 – Acid UST or AST. ▪ APEC 11 – Drum Storage and Glass Shrinkage Disposal. ▪ APEC 12 – Diesel Spill. ▪ APEC 13 – Out-of-Service Fuel Oil USTs (associated with the boilers in Building 1). ▪ APEC 14 – Material Storage and Handling. ▪ APEC 15 - Storm and Sanitary Sewer Lines. ▪ APEC 16 – Unknown Fill Quality (Within Building 1 and along west side of building, from northwest corner of Building 1 to west of the southwest corner of Building 6 at Davis Road). ▪ APEC 17 – Out-of-Service Production UST (Centre of Building 1, by Unit 38). ▪ APEC 18 – Glass and Debris Dumping and Sanitary Sewer Overflow. ▪ APEC 19 – Unknown Fill Quality (Southeast of Building 8). ▪ APEC 20 – Unknown Fill Quality (Surface water control berms surrounding Building 9). ▪ APEC 21 – Flammable Storage. ▪ APEC 22 – Spills (Southeast of Building 6 and in unidentified ditch). ▪ APEC 23 – Unfiltered Air Release. ▪ APEC 24 – Former PCB and Storage. ▪ APEC 28 – Former Service Centre Operations – Below-grade equipment. ▪ APEC 29 – Former Service Centre Operations – Septic Tanks and Septic Field. ▪ APEC 30 – Former Service Centre Operations – Waste Oil UST. ▪ APEC 31 – Former Service Centre Operations – Fuel Oil for Heating of Water Boiler. **Off-Site APECs** ▪ APEC 25 – Impacted Property to West. ▪ APEC 26 – Service Station to northwest of Phase One Property ▪ APEC 27 – Impacted Property North of Phase One Property. ▪ APEC 32 – Former Die Casting Operations (East adjacent). ○ ***Based on the findings of this Phase One ESA (in 2024), EXP has reassessed the APECs.*** • Based on the findings of the Phase One ESA described above, a Phase Two ESA was recommended to assess soil and groundwater conditions at the Property.
January 2014	*Draft Phase II Environmental Site Assessment – Former Oakville Lamp Manufacturing Plant, 420 and 468 South Service Road East, Oakville, Ontario*	GE Canada	AECOM	A Phase II ESA was completed for the Site, addressed as 420 & 468 South Service Road East, the following information was noted: • Field work was completed between June and December 2013 which included: ○ One-hundred and one (101) boreholes were advanced, of which fifty-five (55) were completed as monitoring wells. The boreholes were advanced to a maximum depth of 102 m bgs. ○ Forty-two (42) test pits were advanced across the Site to a maximum depth of 2.1 m bgs. ○ Thirteen (13) shallow soil samples. ○ RTwo (2) soil samples from sewer manholes. • The general stratigraphy encountered at the Site, as interpreted by AECOM, consisted of asphalt and/or topsoil, followed by fill materials (sand and gravel), underlain by native deposits of clayey silt till, followed by assumed bedrock (weathered shale).

Date	Report Title	Prepared For	Prepared By	Findings
				• Soil samples were submitted for analysis of petroleum hydrocarbons (PHCs), volatile organic compounds (VOCs), metals and inorganics, polychlorinated biphenyls (PCBs), and polycyclic aromatic hydrocarbons (PAHs). Groundwater samples were submitted for analysis of PHCs, VOCs, metals and inorganics, PCBs, and PAHs. Surface water samples were submitted for analysis of VOCs. • Soil and groundwater sample results were compared to MECP (2011) Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition for industrial/commercial/community (ICC) Property Use and medium/fine textured soil (Table 3 SCS). • Elevated soil concentrations were noted at various locations for one or more of the following parameter groups: o PHCs and BTEX: PHC F1 to F4, and toluene, o Metals: Antimony, barium, hot water soluble (HWS) boron, cadmium, copper, lead, mercury, molybdenum, methyl mercury, electrical conductivity (EC), sodium adsorption ratio (SAR) and pH, o VOCs: Trichloroethylene (TCE), and vinyl chloride, and, o PAHs: Anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(bj)fluoranthene, benzo(ghi)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, fluorene, and indeno(1,2,3)pyrene. • Elevated groundwater concentrations were noted at various locations for one or more of the following parameter groups: o PHCs: PHC F2, o Metal: Boron, and, o VOCs: Trichloroethylene (TCE), cis-1,2-dichloroethylene (cis1,2-DCE), trans-1,2-dichloroethylene (trans 1,2-DCE), and vinyl chloride. • Additional work was recommended by AECOM to support RSC filing.
January 2015	*Soil & Groundwater Investigation, 420 and 468 South Service Road East, Oakville, Ontario*	First Gulf Real Estate Corporation	Pinchin	The report was not provided to EXP; however, the borehole and monitoring wells, tabulated chemical data and drawings were provided for the Site. It is noted that EXP was not provided with the Certificate of Analysis to confirm the chemical data. The following information was noted: • Twenty (20) boreholes were advanced, of which six (6) were completed as monitoring wells that were screened at depths of 10.1 to 20.1 m. • Soil and groundwater sample results were compared to the Table 1: Full Depth Background Site Condition Standards (SCS) for RPIICC Land Use - coarse and/or fine textured soil (Table 1 SCS), and the Table 2: Full Depth Generic Site Condition Standards (SCS) in a Potable Ground Water Condition for RPI Property Use and medium/fine textured soil (Table 2 SCS). • Elevated soil concentrations were noted at various locations for one or more of the following parameter groups: o PHCs: PHC F1 and F2, o Metals: Antimony, hot water soluble (HWS) boron, cadmium, copper, lead, mercury, methyl mercury, silver, zinc, cyanide, electrical conductivity (EC), sodium adsorption ratio (SAR) and pH, o VOCs: Trichloroethylene, 1,1-dichloroethylene, cis-1,2-dichloroethylene, 1,1,2-trichloroethane and vinyl chloride, and, o PAHs: Acenaphthene. • Groundwater was analyzed from both existing monitoring wells and newly installed monitoring wells. • Elevated groundwater concentrations were noted at various locations for one or more of the following parameter groups: o BTEX: Benzene, o PAHs: Acenaphthene, anthracene, methylnaphthalene 2-(1-), naphthalene, and phenanthrene, o Metals: Boron, cadmium, cobalt, molybdenum, sodium, and chloride, and o VOCs: Trichloroethylene, 1,1-dichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, 1,1,2-trichloroethane and vinyl chloride.
March 26, 2021	*Soil Stockpile Characterization, 420 South Service Road East, Oakville, Ontario*	General Electric Company	Arcadis Canada Inc. (Arcadis)	A Soil Stockpile Characterization Report was completed for the Site, addressed as 420 South Service Road East. The following information was noted: • The stockpile sampling was completed after the discovery of five (5) areas of unauthorized deposits of soil was reported by GE to the MECP on October 29, 2019. • As a result, on October 30, 2019, five (5) initial soil samples were collected and submitted for chemical analysis. In addition, on July 27 to 28, 2020, forty-one (41) soil samples (including duplicate soil samples) were collected and submitted for chemical analysis. • The stockpiles were found to consist primarily of shale and soil, with some concrete and bricks. • A survey estimated a total of 5,330 cubic metres (m^3) of soils are within the stockpiles. • Soil samples were submitted for analysis of PHCs, BTEX, VOCs, metals and inorganics, and PAHs. • Elevated soil concentrations were noted at various locations for one or more of the following parameter groups:

Date	Report Title	Prepared For	Prepared By	Findings
				○ PHCs and BTEX: PHC F2 to F4, F4 gravimetric, and benzene, ○ Metals: Cobalt, lead, molybdenum, selenium, electrical conductivity (EC), and sodium adsorption ratio (SAR), and, ○ PAHs: Acenaphthene, anthracene, benzo(a)anthracene, fluoranthene, fluorene, naphthalene, and phenanthrene.
February 15, 2023	*Remedial Injection Completion, 420 South Service Road East, Oakville, Ontario*	General Electric Company	Arcadis Canada Inc.	A Remedial Injection Completion Report was completed for the Site, addressed as 420 South Service Road East. The following information was noted: • • Limited groundwater sampling and analysis was completed on nine (9) select groundwater monitoring wells for VOCs in 2022 to assess the conditions at that time. The monitoring wells included: MW110D, MW131, MW140, MW142 and MW154 (historically found to have elevated concentrations of VOCs) and MW125, MW150, MW152 and MW153 (located near the downgradient Site boundary). • The sampling indicated that groundwater was present at depths of 1.5 to 2.5 m bgs, and shallow groundwater flow was directed to the southeast, towards Lake Ontario (located 2.1 km south of the Site). • The initial sampling results were compared to the Table 1 SCS, and the Table 6: Full Depth Generic Site Condition Standards for Shallow Soils in a Potable Groundwater Condition for RPIICC Property Use and medium/fine textured soil (Table 6 SCS). The results were found to continue to be elevated in selected wells. • In January 2023, remedial injections were completed at the Site and included direct push injections of emulsified vegetable oil (EVO) and dechlorinating organisms (KB-1) to reduce the contaminant mass remaining and enhance ongoing attenuation in key areas on-Site. • The injections included three (3) overburden transects and two (2) bedrock transects, with a total of thirty (30) injection points completed. • Post-injection monitoring was completed in Spring and Fall, 2023, however, the results were not provided in the report. The report indicated that a Remediation Report would be prepared. • *It is noted that during this timeframe, the Site was undergoing due diligence investigation by EXP to support the potential purchase. As such, it is unclear if the Remediation Report was produced by Arcadis on behalf of GE. To-date, this report has not been provided to EXP (if produced).*
October 27, 2023 (Rev. November 20, 2023)	*Soil and Groundwater Sampling and Chemical Testing Program - 420 and 468 South Service Road East, Oakville, ON*	Rose Acquisition Corporation	EXP Services Inc. (EXP)	• The findings of this Soil and Groundwater Sampling and Chemical Testing Program combines field work that was completed in three (3) stages (Stages One to Three) by EXP between July and October 2023, in support of the potential acquisition of the Site. The key findings are summarized below: • **Stage One: July 2023 - Groundwater Sampling and Chemical Testing** ○ On July 11, 2023, groundwater levels from forty-seven (47) existing monitoring wells were measured at the Site. ○ There were numerous monitoring wells that were not found, destroyed, and/or could not surveyed a due to recent remedial injections completed by Vertex Environmental (refer to report above by Arcadis). • **Stage Two: August to September 2023 - Drilling, Soil and Groundwater Sampling and Chemical Testing** ○ Between August 11 and 14, 2023, a total of eleven (11) boreholes (BH312, BH313, BH314, BH315, BH316, BH317, BH319, BH320, BH324, BH325 and BH326) were advanced at the Site under the full-time supervision of EXP staff. ○ On September 13, 2023, an additional four (4) boreholes (BH322, BH323, BH327 and BH328) were advanced at the Site. ○ All fifteen (15) of the boreholes completed between August 11 to 14 and on September 13, 2023, were instrumented with groundwater monitoring wells to facilitate the collection of groundwater samples. It is noted that the remaining 300 series boreholes that were not drilled (BH301 to BH311, BH318 and BH321) are proposed to be completed at a later date. ○ Groundwater levels were measured at all accessible wells at the Site on July 11, 2023, as well as prior to monitoring and sampling activities on July 12 and 13, 2023 and September 12 to 14, 2023. ○ Groundwater sampling activities completed in Stage Two were conducted on September 13, 2023 (MW314, MW315, MW316, MW317, and MW324), and September 14, 2023 (MW125, MW140, MW150S, MW152, MW154, MW150D, MW201, MW203). • **Stage Three: October 2023 - Groundwater Sampling and Chemical Testing** ○ Groundwater levels were measured prior to monitoring and sampling activities on October 19, 20, and 23, 2023. ○ Well development completed during Stage Three was completed on October 19, 2023 for select 300 series wells. ○ Groundwater sampling activities completed during Stage Three were conducted on October 19, 2023 (MW125, MW140, MW150D, MW152, MW153, MW154, MW201 and MW204), October 20, 2023 (MW312, MW323, MW319, MW320, MW325, MW327 and MW328), and October 23, 2023 (MW313 and MW326). ○ It is noted that MW322 could not be sampled due to being dry, MW205 and MW207 could not be sampled due to damaged monument casing, and MW5 could not be sampled due to inability to locate the monitoring wells (overgrown vegetation). • **Stages One to Three: Soil Findings**

Date	Report Title	Prepared For	Prepared By	Findings
				○ Based on historical and current chemical data, there is confirmed soil contamination (metals, other regulated parameters (ORPs), PHCs, PAHs and/or VOCs) in the fill and overburden (shale was not tested during the investigation) across the majority of the Site. ○ The previous investigations generally encountered an upper layer of variable fill material overlying native clayey silt till, with shallow bedrock; this was consistent with the findings of the EXP investigation. Weathered shale (bedrock) was located at depths of approximately 1.2 m, but more typically at depths below 2.0 to 3.0 m. In general, soil contamination was measured across the majority of the Site. ○ During the Stage One to Three drilling activities by EXP, a large berm was observed at the southeast corner of the Site; however, due to the heavy vegetation, it was difficult to discern the dimension and volume of this berm. The origin and the quality and quantity of the berm is unknown. ○ Soil samples were collected from fifteen (15) borehole/monitoring well locations during Stage Two and were submitted for VOC analysis. ○ The chemical results of the soil samples were compared to the MECP Table 2 SCS (RPI). ○ The concentrations of analyzed parameters in the soil samples submitted were either below the Table 2 SCS or not detected at the laboratory reported detection limits (RDLs). • **Stages One to Three: Groundwater Findings** ○ Based on historical and current chemical data, groundwater contamination (metals, ORPs, PHCs, PAHs and/or VOCs) was confirmed in the overburden and shale (across nearly the entire Site). ○ Based on the groundwater levels measured during Stage One; the inferred groundwater flow direction is to the southwest for overburden and shale wells. Select groundwater levels measured during Stages Two and Three were consistent with the southwest flow direction. It is noted that ground surface elevations were not available for the 200 Series of boreholes/monitoring wells therefore the inferred groundwater flow direction in the deep shale could not be calculated. ○ EXP obtained groundwater level measurements from select wells in July 2023, with water levels typically noted to range from 0.3 to 4.0 m below grade, with deeper measurements of 7.5 to 12.1 m at MW-203 to MW-205 which were screened deep into the shale bedrock. ○ Groundwater samples collected from the twenty-five (25) existing monitoring wells and fourteen (14) newly installed monitoring wells were submitted for laboratory analysis of one or more of the following parameters: PHCs, BTEX), VOC,PAHs, and/or metals including hydride-forming metals. ○ The chemical results of the groundwater samples were compared to the Table 2 SCS. ○ The concentrations of analyzed parameters in the groundwater samples submitted by EXP were either below the Table 2 SCS or not detected at the laboratory RDLs, with the exception of the following exceedances: ▪ cis-1,2-Dichloroethylene (10 locations) ▪ trans-1,2-Dichloroethylene (1 locations) ▪ PHC F2 (1 location) ▪ Trichloroethylene (6 locations) ▪ Vinyl chloride (19 locations) ▪ Acenaphthene, phenanthrene, and 1&2-methylnaphthalene (1 location) ▪ Metals (cobalt, molybdenum or selenium) (5 locations) ▪ Benzene (1 location) • Based on the above findings, additional horizontal and vertical delineation was recommended followed by remediation and/or a risk assessment (RA).
February 16, 2024	*Phase I Environmental Site Assessment – 420 and 468 South Service Road East, Oakville, ON.*	Rose Acquisition Corporation	EXP	A Phase I ESA was completed for the northeast portion of the Site, addressed as 420 and 468 South Service Road East, the following information was noted: • The Phase I ESA was prepared in general accordance with CSA Standard Z768-01 and was intended for due diligence purposes to support the acquisition of the Site. • The Site measured approximately 11.4 hectares (28.26 acres) in area and was primarily vacant. A Site building (designated heritage) was located along the northern portion of the Site, and the foundations of the former buildings are still in place. • Stockpiles were observed in five (5) areas on-Site, and a berm was located at the southeast portion of the Site. • The following Issues of Potential Environmental Concerns were identified for the Site: ▪ Existing berm of unknown chemical quality and quantity. ▪ Existing stockpiles of known chemical quality with historical exceedances ▪ Historical and current on-Site known soil and groundwater exceedances (based on the previous reports). ▪ Historical on-Site operations (i.e. long term lamp / light manufacturer) ▪ Historical off-Site operations • EXP recommended additional horizontal and vertical delineation of soil and groundwater, followed by remediation and/or a risk assessment (RA).

Table G-2 – Potentially Contaminating Activities and Areas of Potential Environmental Concern

420 & 468 South Service Road East, Oakville, Ontario

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
Site					
1A	420 and 468 South Service Road East	Entire Site	PCA #30 – Importation of Fill Material of Unknown Quality.	Based on the Site reconnaissance, a berm was located along the southwest corner of the Site and several areas of stockpiled materials were observed on the west and south portions of the Site. In addition, based on the review of the previous soil investigations (refer to Table II) fill materials were encountered throughout the Site to a depth of approximately 3.1 metres below ground surface (m bgs).	Yes, based on the PCA occurring on-Site.
1B			PCA 'Other' - Salt Application.	Based on the reviewed historical information and observations made at the time of the Site visit, road salting activities would have occurred during the winter months.	
1C			PCA 'Other' – Elevated Soil Exceedances.	Based on the review of the previous soil investigations (refer to Table II) elevated soil concentrations for the following parameter groups were noted throughout the Site: • Petroleum Hydrocarbons (PHCs), and Benzene, Toluene, Ethylbenzene, Xylenes (BTEX); • Volatile Organic Compounds (VOCs); • Polycyclic Aromatic Hydrocarbons (PAHs); • Metals; • Hydride-Forming Metals (HFMs); • Other Regulated Parameters (ORPs); • pH; and, • Methyl Mercury.	
1D			PCA 'Other' – Elevated Groundwater Exceedances.	Based on the review of the previous soil investigations (refer to Table II) elevated groundwater concentrations for the following parameter groups were noted throughout the Site: • PHCs and BTEX;	

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
				• VOCs; • PAHs; • Metals; and, • HFMs.	
1E			PCA 'Other' – Lamp/Light Manufacturing.	Based on a review of the ERIS report, FIP, and municipal directories, Canadian General Electric Co. Ltd/GE Canada occupied the Site since at least 1948 to 2010.	
1F			PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on a review of the ERIS report, the following was noted: • The generation of various wastes including PCBs, waste oils & lubricants, petroleum distillates and halogenated solvents from 1986 to 2019. • For the following spills: ○ 1 L of hydraulic oil to the ground in 2008 and 2009. ○ 125 L of hydraulic oil to the ground in 2011. ○ Fuel oil – historic soil contamination from fuel tanks in 2011. ○ 3 L of hydraulic oil to the ground in 2015.	
1G			PCA 'Other' – Spill of Petroleum or Associated Products.		
2A	420 and 468 South Service Road East	Entire Site	PCA 'Other' – Spill of Glycol/Water solution.	Based on a review of the ERIS report, the following was noted: • For the following spills: ○ 250 ml of glycol/water solution to the pavement in 2008. ○ 922.5 L of glycol/water solution to the ditch in 2009. ○ 5000 L of treated coater water and sanitary sewage to the soil in 2009.	No, based on the nature of the spills (i.e. glycol and sanitary sewage).
2B			PCA 'Other' – Spill of Treated Coater Water.		
3	420 South Service Road East	South-central portion of the Site	PCA#46 – Rail Yards, Tracks and Spurs.	Based on a review of the FIP, and aerial photographs, a railway siding was located on the south-central portion of the Site and entered the Site from the south. Additionally, a train shed was located on the east portion of the Site building.	Yes, based on the PCA occurring on-Site.

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
4A to 4B	420 South Service Road East	North-central portion of the Site	PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks.	Based on a review of the FIP and inspection reports, two (2) 10,000-gal fuel oil underground storage tanks (USTs) were located in the southeast portion of Building 1 (north-central portion of the Site).	Yes, based on the PCA occurring on-Site.
4C				Based on the review of the inspection reports, one (1) fuel oil UST was located on the north exterior of Building 5 (north-central portion of the Site).	
4D			PCA 'Other' – Acid Storage Tank.	Based on a review of the FIP and inspection reports, one (1) acid tank was located on the east exterior of Building 5 (north-central portion of the Site).	
4E			PCA 'Other' – Production Underground Storage Tank.	Based on the previous reports (refer to Table II) and Site operating records, a UST was used as part of the recirculation systems for the manufacturing in Building 1 (north-central portion of the Site).	
5	420 South Service Road East	West-central portion of the Site	PCA#55 – Transformer Manufacturing, Processing and Use.	Based on a review of the FIP and inspection reports, a switch room was located on the west-central boundary of the Site and consisted of one (1) transformer.	Yes, based on the PCA occurring on-Site.
6	420 South Service Road East	South-central portion of the Site	PCA 'Other' – PCB Storage.	Based on a review of the ERIS report, the following was noted: • As a waste receiving site for PCBs from 1987 to 2008. • The storage of various PCBs from 1990 to 2000. In addition, based on previous reports (refer to Table II) the PCB storage was stored south of Building 3/8 (south-central portion of the Site).	Yes, based on the PCA occurring on-Site.
7A	468 South Service Road East	Northeast portion of the Site	PCA#52 – Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems.	Based on a review of the chain of title, previous reports (refer to Table II) and Site operating records, the northeast portion of the property was occupied by Supertest Petroleum from 1956 to 1961.	Yes, based on the PCA occurring on-Site.
7B to 7D			PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks.	Three (3) gasoline USTs were located on the northeast boundary of the Site, according to operating records.	
7E				Based on a review of the previous reports (refer to Table II) and Site operating records, one (1) waste oil USTs was	

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
				located on the northeast portion of the Site, east of the Annex building, according to operating records.	
7F		East-central portion of the Site	PCA#40 – Pesticides (including herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications.	Based on a review of the 1934 aerial photograph, an orchard was located on the east-central portion of the Site.	
Surrounding Properties					
8A	389 Davis Road	West adjacent	PCA#19 – Electronic and Computer Equipment Manufacturing.	Based on a review of the ERIS report, R-Metrics was noted to be established in 1970, and was a medical / measuring and controlling devices' company in the business directory. In addition, Non-Destructive Testing Prod was noted to be established in 1974, and was a measuring and controlling Devices, industrial machinery and equipment company in the business directory.	Yes, based on the close proximity to the Site.
8B			PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on a review of the ERIS report, various operations were listed as a waste generator of various wastes including petroleum distillates, waste oil & lubricants and transfer station oil wastes from 1986 to 2010.	
9	374 South Service Road East	West adjacent	PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks.	Based on a review of the ERIS report and municipal directories, the property was occupied by a Shell Service Station from 1960 to 1991 and was listed as an expired FS facility in 1990 with retail fuel storage tanks.	Yes, based on the close proximity to the Site.
10A	482 South Service Road East	East adjacent	PCA #33 – Metal Treatment, Coating, Plating and Finishing.	Based on a review of the ERIS report, the following operations were occurring on the property: • Repla Limited was noted to be established in 1963 and was a manufacturing company for vehicle parts in the business directory and for a Certificate of Approval in 1997 for a paint spray booth. • Ackna Industries Ltd. was noted to be established in 1963 and was a manufacturing company for vehicle parts company in the business directory	Yes, based on the close proximity to the Site.
10B			PCA#34 – Metal Fabrication.		

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
				In addition, based on the review of the municipal directories or FIP the property was occupied by Lakeshore Die Casting Ltd. occupied the property from 1960 to 1965; and Meyer & Zapp Windows & Doors from 2008 to 2012.	
10C			PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on the review of the ERIS report, The following waste generation was noted for the property: • Repla Limited for various wastes including halogenated solvents from 1986 to 2001; and no wastes defined from 2003 to 2004. • McCarthy Windows and Doors for various wastes including light fuels in 2005. • 2026324 Ontario Inc. for oil skimmings & sludges in 2006.	
10D			PCA#43 – Plastics (including Fibreglass) Manufacturing and Processing.	Based on the review of the municipal directories was occupied by Schlegel Co. Canada Ltd. (industrial textiles & plastics) in 1960.	
10E			PCA#54 – Textile Manufacturing and Processing.		
11A	379 Davis Road	60 m west	PCA#19 – Electronic and Computer Equipment Manufacturing.	Based on the review of the ERIS report, Duct-O-Wire Canada Ltd. was Established in 1966 and noted as a various manufacturing including cutlery, hand tools, and various tooling company in the business directory. In addition, based on the review on the ERIS report and municipal records JTM Tooling Co. Ltd. was established in 1997 and noted as a machine shops company in the business directory and noted to occupy the property from 2001 to 2021.	No, based on the trans/down-gradient location with respect to the inferred groundwater flow direction.
11B			PCA #33 – Metal Treatment, Coating, Plating and Finishing.		
11C			PCA#34 – Metal Fabrication.		
11D			PCA 'Other' – Registered Generator of Hazardous Wastes	Based on the review of the ERIS report, Duct-O-Wire Canada Ltd. was listed for the generation of waste compressed gases from 1998 to 2001; and no wastes defined from 2002 to 2004.	

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
12A	364 Davis Road	West adjacent	PCA#43 – Plastics (including Fibreglass) Manufacturing and Processing.	Based on a review of the ERIS Report and municipal records the property was occupied by Phoenix Fibreglass Inc. and was listed for the following: • Established in 1991 and noted as a 'Mineral Wool' company in the business directory. • The generation of aliphatic solvents and waste oils & lubricants from 1993 to 1998.	Yes, based on the close proximity to the Site.
12B			PCA 'Other' – Registered Generator of Hazardous Wastes.		
12C			PCA 'Other' – Contaminated Site.	Based on a review of the ERIS Report, the following Records of Site Conditions were filed for the property: • RSC# 3651 was filed in 2006 under Cherokee-Oakville Property G. P., Inc. The current property use was industrial, with the intended property use listed as industrial. It is noted that a Certificate of Property Use was issued for the property (CPU#5862-6SKRWA). • RSC# 56511 was filed in 2009 under Cherokee-Oakville Property G. P., Inc. The current property use was industrial, with the intended property use listed as commercial.	
13A	354 Davis Road	West adjacent	PCA#39 – Paints Manufacturing, Processing and Bulk Storage.	Based on the review of the ERIS report, Ferro Industrial Products Ltd. was established in 1924 and noted as a 'Paints, Varnishes, & Supplies' company in the business directory. In addition, Ferro Enamels (Can) Ltd. (paints manufacturing) occupied the property from 1965 to 1996.	Yes, based on the close proximity to the Site.
13B			PCA#58 – Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	Based on the review of the ERIS report, Ferro Industrial Products Ltd. was listed as a historic and closed landfill (#Y0095). In addition, Cherokee Oakville Property Limited list with an approval for use of a former waste disposal site.	
13C			PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on the review of the ERIS report, The following waste generation was noted for the property: • Ferro Industrial Products Ltd. for various wastes including waste oils & lubricants, petroleum distillates, landfill leachates, and oil skimmings & sludges from 1986 to 2001.	

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
				• Cherokee Oakville Property Limited for oil skimmings & sludges and other specified inorganics in 2005. • First Gulf Corporation for inert inorganic wastes in 2013.	
14A	455 North Service Road East	100 m north	PCA#31 – Ink Manufacturing, Processing and Bulk Storage.	Based on the review of the ERIS report and municipal records the property was occupied by Salvation Army, The Triumph Press until 1996 and was noted to be established in 1969 and noted as a 'Commercial Printing, N.E.C.' company in the business directory.	Yes, based on the up-gradient location with respect to the inferred groundwater flow direction.
14B			PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on a review of ERIS report, the following waste generation was noted for the property: • Salvation Army, The Triumph Press for aliphatic solvents and photo processing wastes, and paint/pigment/coating residues from 1989 to 2001. • Naylor Group Inc. for various wastes including waste oils & lubricants from 1999 to 2022.	
14C			PCA 'Other' – Spill of Petroleum or Associated Products.	Based on the review of the ERIS report, Naylor Group Inc. reported a spill of an unknown amount of diesel to the ground during a truck fire in 2016.	
15A	QEW and Trafalgar Road	Between 110 and 190 m northwest	PCA 'Other' – Spill of Petroleum or Associated Products.	Based on a review of the ERIS report, the following spills were reported environmental impacts sometimes anticipated: • 10 L of ferric chloride in 1992. • 25 L of gasoline to the roadway and ditch in 1997. • 1.5 L of corrosive material to the highway in 2000. • 500 L of diesel to the roadway in 2005. • 150 L of diesel to the catch basin in 2015. • 200 L of diesel to the pavement in 2016. • 100 L of diesel to the shoulder in 2016. • 135 l of 10% sodium hydroxide to the road in 1997. • 375 L of diesel fuel from saddle tanks to the roadside in 1991. • 40 L of diesel fuel to the grassy area in 2020. • 400 L of diesel fuel and vehicle fire in 2019.	No, based on the trans-gradient location with respect to the inferred groundwater flow direction.
15B			PCA 'Other' – Spill of Corrosive Material.		
15C			PCA 'Other' – Spill of 10% Sodium Hydroxide.		
15D			PCA 'Other' – Spill of Ferric Chloride.		

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
16A	359 Davis Road	100 m west	PCA#10 – Commercial Autobody Shops.	Based on a review of the ERIS report, Oaktown Collision Inc. was listed for an Environmental Compliance Approval (ECA) in 2005 for two (2) paint spray booths, three (3) preparation areas, and one (1) paint mix room. In addition, based on the review of the municipal records and the Site reconnaissance the property was occupied by various collision operations from 1996 to present.	No, based on the trans-gradient location with respect to the inferred groundwater flow direction.
16B			PCA#52 – Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems.	Based on the review of the municipal records the property was occupied by Super 7 Autos in 1991.	
16C			PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on a review of the ERIS report, Acumen Corporation Development Inc. was listed as a waste generator of inert organic wastes in 2017.	
17A	461 Cornwall Road	100 m south	PCA#19 – Electronic and Computer Equipment Manufacturing.	Based on the review of the ERIS Report the following operations occurred on the property: LeBlanc Ltd. was listed for the following: • Established in 1962 and noted as a various metal working including rolling, drawing, extruding and alloying company in the business directory. • The generation of various wastes including waste oils & lubricants and petroleum distillates from 2000 to 2001. Radian Communications Corp. was listed for the following: • Established in 1962 and noted as a rolling, drawing, extruding and alloying; radio and television broadcasting communications equipment manufacturing company in the business directory. • The generation of various wastes including waste oils & lubricants, light fuels, oil skimmings & sludges and petroleum distillates from 2002 to 2009. • An Environmental Compliance Approval (Certificate of Approval) in 2004 for one (1) paint spray booth. Prestige Telecom was listed for the following:	No, based on the down-gradient location with respect to the inferred groundwater flow direction.
17B			PCA #33 – Metal Treatment, Coating, Plating and Finishing.		
17C			PCA#34 – Metal Fabrication.		
17D			PCA 'Other' – Registered Generator of Hazardous Wastes.		

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
				• Established in 1962 and noted as a rolling, drawing, extruding and alloying; radio and television broadcasting communications equipment manufacturing company in the business directory. • The generation of various wastes including waste oils & lubricants, light fuels, oil skimmings & sludges and petroleum distillates from 2010 to 2011. Tofino Developments Inc. was listed as a waste generator of paint/pigment/coating residues from 2007 to 2008. Mohawk Welding Supply Ltd. was listed for an expired FS Propane Refill Centre – Cylinder Fill.	
18	469 Cornwall Road	(100 m south)	PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on a review of the ERIS report, Jordana Holdings Corp. was listed as a waste generator of pharmaceuticals from 2018 to 2022; and pathological wastes from 2021 to 2022.	No, based on the down-gradient location with respect to the inferred groundwater flow direction.
19	501 North Service Road	(115 m northeast)	PCA#10 – Commercial Autobody Shops.	Based on a review of the ERIS report, Oakville Honda (1257707 Ontario Limited) was listed for an Environmental Compliance Approval in 2007 for one (1) paint spray booth.	Yes, based on the up-gradient location with respect to the inferred groundwater flow direction.
20A	400 Iroquois Shore Road	(115 m north)	PCA#42 – Pharmaceutical Manufacturing and Processing.	Based on a review of the ERIS report, the following operations occurred on the property: Searle Canada (G.D. Searle & Co of Canada Ltd.) was listed for the following: • Noted as a 'Drugs, Drugs Proprietaries, and Druggists' Sundries' company in the business directory. • The generation of various wastes including halogenated solvents and waste oils & lubricants from 1986 to 1998. Shire Canada Inc. (Wellspring Pharmaceutical Canada Corp./3053851 Nova Scotia Company) was listed for the following: • Established in 1991 and noted as a 'Pharmaceutical and Medicine Manufacturing' company in the business directory.	Yes, based on the up-gradient location with respect to the inferred groundwater flow direction.
20B			PCA 'Other' – Registered Generator of Hazardous Wastes.		

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
				• The generation of various wastes including halogenated solvents and waste oils & lubricants from 1999 to 2018. Roberts Pharmaceutical Canada Inc. was listed as a waste generator of various wastes including halogenated solvents and waste oils & lubricants from 1997 to 1998. ANI Pharmaceuticals Canada Inc. was listed as a waste generator of various wastes including halogenated solvents and waste oils & lubricants from 2020 to 2022.	
21A 21B	514 South Service Road	(50 m east)	PCA#57 – Vehicles and Associated Parts Manufacturing. PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on a review of the ERIS report, the following operations occurred on the property: Schlegel Canada Inc. (Division of BTR Sealing Systems/ Henniges Automotive Schlegel Canada Inc.) was listed for the following: • Established in 1932 and noted as a plastic manufacturing for vehicles company in the business directory. • Twenty-three (23) Environmental Compliance Approvals (Certificates of Approval) between 1986 and 2014 related to operations. • The generation of various wastes including PCBs, halogenated solvents, light fuels, heavy fuels, oil skimmings & sludges and waste oils & lubricants from 1986 to 2000; and 2007 to 2014. • Listed on the NPRI for various air emissions between 1993 to 2021. Metzeler Automotive Profile was listed for the following: • Established in 1956 and noted as a various vehicle parts manufacturing company in the business directory. • The generation of various wastes including PCBs, halogenated solvents, light fuels, heavy fuels, oil skimmings & sludges and waste oils & lubricants from 2001 to 2006.	Yes, based on the up-gradient location with respect to the inferred groundwater flow direction.

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
				First Gulf Corporation and First Gulf SSR1 Limited was listed as waste generator of inert inorganic wastes from 2014 to 2016. Delsan-AIM was listed as a waste generator of waste oils & lubricants in 2015.	
21C			PCA#43 – Plastics (including Fibreglass) Manufacturing and Processing.	Based on the review of the municipal directories was occupied by Schlegel Co. Canada Ltd. (industrial textiles & plastics) from 1975 to 2008; and BTR Sealing Systems from 2001 to 2008.	
21D			PCA#54 – Textile Manufacturing and Processing.		
22	414 North Service Road East	(110 m north)	PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on a review of the ERIS report, Steven J. Buck, D.D.S. was listed as waste generator of pathological wastes in 2015.	No, based on the nature of the waste and the limited years of generation.
23	562 Chartwell Road	(50 m east)	PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on a review of the ERIS report, Hillsco Group was listed as waste generator of oil skimmings & sludges from 2020 to 2022.	No, based on the trans-gradient location with respect to the inferred groundwater flow direction.
24	408 North Service Road East	(180 m north)	PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on a review of the ERIS report, Stephen C. Brown Medicine Professional Corporation was listed as waste generator of pathological wastes from 2014 to 2021.	No, based on the nature of the waste and the limited years of generation.
25	410 North Service Road East	(180 m north)	PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on a review of the ERIS report, BLC Management Limited was listed as waste generator of pathological wastes from 2010 to 2018.	No, based on the nature of the waste and the limited years of generation.
26	406 North Service Road East	(180 m north)	PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on a review of the ERIS report, GraceMed Briarwood Cosmetic Surgical Centre was listed as waste generator of pathological wastes in 2022.	No, based on the nature of the waste and the limited years of generation.
27A	514 Chartwell Road	(135 m southeast)	PCA#19 – Electronic and Computer Equipment Manufacturing.	Based on a review of the ERIS report, LeBlanc & Royle Telcom Inc. was listed for the following: • Established in 1962 and noted as a rolling, drawing, extruding and alloying; radio and television broadcasting communications equipment manufacturing company in the business directory.	No, based on the down-gradient location with respect to the inferred groundwater flow direction.
27B			PCA 'Other' – Registered Generator of Hazardous Wastes.		

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
				• The generation of various wastes including waste oils & lubricants and petroleum distillates from 1986 to 1999.	
28	Trafalgar Road and South Service Road East	(235 m northwest)	PCA 'Other' – Spill of Petroleum or Associated Products.	Based on a review of the ERIS report, a spill of 1000's of litres of oil spilled to the ground in 2008. An environmental impact is possible to the soil.	No, based on the down-gradient location with respect to the inferred groundwater flow direction.
29A	521 North Service Road East	(160 m northeast)	PCA #33 – Metal Treatment, Coating, Plating and Finishing.	Based on the review of the ERIS report, the following operations were occurring on the property: • Trailor Parts & Graphics noted to be established in 1986 and was a 'Coating, Engraving & Allied Services, N.E.C.' company in the business directory. • Felco Fireplace & Mantels noted to be established in 1982 and was a 'Millwork; Other Millwork; and All Other Non-Metallic Mineral Product Manufacturing' company in the business directory. • Teknikal Resolutions Inc. noted to be established in 2007 and was a various metal working company in the business directory. • The Kitchen Centre Inc. was noted to be a furniture manufacturing company in the business directory	Yes, based on the up-gradient location with respect to the inferred groundwater flow direction.
29B			PCA#34 – Metal Fabrication.		
29C			PCA 'Other' – Other Manufacturing Operations.		
29D			PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on the review of the ERIS report, Tollefson Lithographing Ltd. was listed as waste generator from 1986 to 1994; however, no wastes were defined. In addition, Oakville Trailers Ltd. was listed as waste generator of aromatic solvents from 1996 to 2001.	
30A	582 Chartwell Road	(165 m east)	PCA#17 – Dye Manufacturing, Processing and Bulk Storage.	Based on the review of the ERIS report and municipal records the property was occupied by Meyers Colour Compounds Ltd. until 1996 and was noted to be established in 1971 and was a 'Cyclic Organic Crudes and Intermediates, and Organic Dyes and Pigments; and Inorganic Pigments' company in the business directory.	No, based on the trans-gradient location with respect to the inferred groundwater flow direction.
30B			PCA#34 – Metal Fabrication.	Based on the review of the municipal records the property was occupied by Whiting Mfg of Can Ltd (mfrs of roll-up	

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
				truck doors) from 1971 to 1985; and Barker-Mansell Ltd (plate working) from 1971 to 1975.	
30C			PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on the review of the ERIS report, Whiting Roll-Up Doors (1983) Mfg. Ltd. was listed as waste generator of paint/pigment/coating residues from 1988 to 1998.	
31	594 Chartwell Road	(185 m east)	PCA#34 – Metal Fabrication.	Based on the review of the ERIS report and the municipal records the property was occupied by T. Lako Limited until 1996 and was noted to be established in 1971 and was a 'Fabricated Plate Work (Boiler Shops)' company in the business directory. In addition, based on the review of the municipal records the property was occupied by Mainline Tool & Die custom machine from 1971 to 1975.	No, based on the trans-gradient location with respect to the inferred groundwater flow direction.
32A	531 North Service Road East	(220 m northeast)	PCA #33 – Metal Treatment, Coating, Plating and Finishing.	Based on the review of the ERIS report, the following operations were occurring on the property: • Graphic Square E Mymryk Invest noted to be established in 1969 and was a 'Platemaking & Related Services' company in the business directory. • Melander Graphics Limited noted to be established in 1985 and was a 'Typesetting' company in the business directory. • Arctic Equipment Manufacturing noted to be established in 1969 and was a 'Construction Machinery Manufacturing; and Motor Vehicle Body Manufacturing' company in the business directory.	Yes, based on the up-gradient location with respect to the inferred groundwater flow direction.
32B			PCA#34 – Metal Fabrication.		
32C			PCA#57 – Vehicles and Associated Parts Manufacturing.		
32D			PCA 'Other' – Registered Generator of Hazardous Wastes.	Based on the review of the ERIS report, Fluid-Pack International Limited was listed as waste generator of petroleum distillates and waste oils & lubricants from 1996 to 2006.	
33	Unplottable – 354 Davis Road	(West adjacent)	PCA 'Other' – Spill of Hazardous Liquids.	Based on the review of the ERIS report, Ferro Industrial Products Ltd. was listed for the following: • Convicted for discharging hazardous liquid into the environment in 1992. • An order for preventative measures in 1996.	Yes, based on the close proximity to the Site.

PCA Identifier	Address	Location of Activity (in relation to Site)	Potentially Contaminating Activity (PCA) [1]	Approximate timeline that PCA occurred	Contributes to APEC (Yes or No)?
34	An orchard, and agricultural properties, north of the Site.	50 m north	PCA#40 – Pesticides (including herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications.	Based on a review of the 1934 aerial photograph, an orchard was located north of the Site.	Yes, based on the close proximity to the Site.
35	Railway Line	80 m south	PCA#46 – Rail Yards, Tracks and Spurs.	Based on a review of the FIP, and aerial photographs, a railway was located south of the Site.	No, based on the down-gradient location with respect to the inferred groundwater flow direction.
36A	349 Davis Road	(155 m west)	PCA#52 – Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems.	Based on the review of the municipal directories was occupied by Atlas TBA Agency Auto Parts from 1971 - 1975.	No, based on the trans/down-gradient location with respect to the inferred groundwater flow direction.
36B			PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks.	Based on the review of the municipal directories was occupied by Esso Home Heat (Oakville), (fuel oil & service) in 1971.	
36C			PCA 'Other' – Other Manufacturing Operations.	Based on the review of the municipal directories was occupied by Walsh Mfg in 1981.	
37	Trans-Northern Pipeline Inc. (TNPI)	15 m south	PCA 'Other' – Trans-Northern Pipeline (Oil).	Based on the Site reconnaissance the Trans-Northern Pipeline Inc. is located south of the Site and north of the railway line.	No, based on the down-gradient location with respect to the inferred groundwater flow direction.

(1) Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D (O.Reg.153/04, as amended) that is occurring or has occurred in the Phase One Study Area.

TABLE G-3: SOIL ANALYTICAL RESULTS - pH Averaging in Soil

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID		MW101					MW104				MW203			
Sample ID	MECP (2011) Table 2: Full Depth Generic SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	MW101-1	BH214A SS1A	BH214A SS1B	BH214A SS1C	BH214A SS1D	MW104-2	MW104A SS2A	MW104A SS2B	MW104A SS2C	MW203 S1	MW203A SS1A	MW203A SS1B	MW203A SS1C
Lab ID		NA	6073657	6073658	6073659	6073660	NA	6073633	6073634	6073635	ZM3146	6073644	6073645	6073646
Sampling Date		17-Jun-13	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	17-Jun-13	9-Aug-24	9-Aug-24	9-Aug-24	10-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24
Soil Sample Depth (m)		0.13 - 0.46	0.10-0.5	0.10-0.5	0.10-0.5	0.10-0.5	0.66 - 1.32	0.66-1.32	0.66-1.32	0.66-1.32	0.3 - 1.5	0.3-1.5	0.3-1.5	0.3-1.5
Consultant		AECOM	EXP	EXP	EXP	EXP	AECOM	EXP	EXP	EXP	Pinchin	EXP	EXP	EXP
Laboratory		MAXXAM	AGAT	AGAT	AGAT	AGAT	MAXXAM	AGAT	AGAT	AGAT	Maxxam	AGAT	AGAT	AGAT
pH	5-9 (surface soil); 5-11 (subsurface soil)	**11.4**	6.75	6.74	6.73	6.72	**10.1**	6.63	6.68	6.69	**9.52**	7.6	7.46	7.34
Average pH (Calculated)		**6.83**					**6.79**				**7.58**			

Location ID		BH102					BH117				BH211			
Sample ID	MECP (2011) Table 2: Full Depth Generic SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	BH-102-1	BH212A SS1A	BH212A SS1B	BH212A SS1C	BH212A SS1D	BH117 SA1A	BH117A SS1A	BH117A SS1B	BH117A SS1C	BH211 S1	MW104A SS1A	MW104A SS1B	MW104A SS1C
Lab ID		NA	6073653	6073654	6073655	6073656	NA	6073636	6073638	6073639	ZO8322	6073629	6073631	6073632
Sampling Date		16-Jul-13	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	31-Jul-13	12-Aug-24	12-Aug-24	12-Aug-24	18-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24
Soil Sample Depth (m)		0.13 - 0.58	0.10-0.60	0.10-0.60	0.10-0.60	0.10-0.60	0.08 - 0.59	0.08-0.59	0.08-0.59	0.08-0.59	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6
Consultant		AECOM	EXP	EXP	EXP	EXP	AECOM	EXP	EXP	EXP	Pinchin	EXP	EXP	EXP
Laboratory		MAXXAM	AGAT	AGAT	AGAT	AGAT	MAXXAM	AGAT	AGAT	AGAT	Maxxam	AGAT	AGAT	AGAT
pH	5-9 (surface soil); 5-11 (subsurface soil)	**9.02**	6.79	6.82	6.76	6.76	**11.5**	11.2	11.2	11.30	**9.35**	6.56	6.59	6.62
Average pH (Calculated)		**6.88**					**11.28**				**6.71**			

Location ID		BH120					MW123				BH222			
Sample ID	MECP (2011) Table 2: Full Depth Generic SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	BH120-SA1	BH120A SS1A	BH120A SS1B	BH120A SS1C	BH120A SS1D	MW123-1	BH222A SS1A	BH222A SS1B	BH222A SS1C	BH222 S1	BH222A SS1A	BH222A SS1B	BH222A SS1C
Lab ID		NA	6073640	6073641	6073642	6073643	NA	6073661	6073662	6073663	ZN5965	6073661	6073662	6073663
Sampling Date		1-Aug-13	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	5-Jul-13	9-Aug-24	9-Aug-24	9-Aug-24	13-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24
Soil Sample Depth (m)		0.13 - 0.43	0.10-0.5	0.10-0.5	0.10-0.5	0.10-0.5	0.17 - 0.62	0.17-0.62	0.17-0.62	0.17-0.62	0.2 - 0.3	0.2-0.3	0.2-0.3	0.2-0.3
Consultant		AECOM	EXP	EXP	EXP	EXP	AECOM	EXP	EXP	EXP	Pinchin	EXP	EXP	EXP
Laboratory		MAXXAM	AGAT	AGAT	AGAT	AGAT	AECOM	AGAT	AGAT	AGAT	Maxxam	AGAT	AGAT	AGAT
pH	5-9 (surface soil); 5-11 (subsurface soil)	**12**	8.51	8.1	7.88	7.70	**11.3**	6.74	6.74	6.76	**12.2**	6.74	6.74	6.76
Average pH (Calculated)		**8.05**					**6.87**				**6.87**			

Notes

All soil concentrations reported in pH units

'<' = Parameter below detection limit, as indicated

Bold Concentration exceeds MECP (2011) SCS.

Ontario Ministry of the Environment, Conservation and Parks (MECP). 2007. *Technical Update Environmentally Sensitive Areas: pH levels.* January.

Average for pH calculated per MECP (2007) guidance. Average pH = -log[mean(10^-^{sample1}+10^-^{sample2}+10^-^{sample3})]

TABLE G-3: SOIL ANALYTICAL RESULTS - pH Averaging in Soil

Phase Two Environmental Site Assessment

420 and 468 South Service Road East, Oakville, ON

GTR-23006348-E1

Location ID		MW204							BH215					
Sample ID	MECP (2011) Table 2: Full Depth Generic SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	MW204 S1	MW204A SS1A	MW2044A SS1A	MW204A SS1B	MW2044A SS1B	MW204A SS1C	MW2044A SS1C	BH215 S1	DUP-4	BH120A SS1A	BH120A SS1B	BH120A SS1C	BH120A SS1D
Lab ID		ZO8314	6073647	6073650	6073648	6073651	6073649	6073652	ZN5963	ZN5967	6073640	6073641	6073642	6073643
Sampling Date		18-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	13-Feb-15	13-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24
Soil Sample Depth (m)		0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 0.6	0.2 - 1.2	Field Duplicate of BH215 S1	0.2-1.2	0.2-1.2	0.2-1.2	0.2-1.2
Consultant		Pinchin	EXP	EXP	EXP	EXP	EXP	EXP	Pinchin	Pinchin	EXP	EXP	EXP	EXP
Laboratory		Maxxam	AGAT	AGAT	AGAT	AGAT	AGAT	AGAT	Maxxam	Maxxam	AGAT	AGAT	AGAT	AGAT
pH	5-9 (surface soil); 5-11 (subsurface soil)	**11**	7.25	6.92	7.17	6.82	7.13	6.79	8.35	**11.5**	8.51	8.1	7.88	7.70
Average pH (Calculated)		**7.04**							**8.09**					

Location ID		BH212					BH223			
Sample ID	MECP (2011) Table 2: Full Depth Generic SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	BH212 S1	BH212A SS1A	BH212A SS1B	BH212A SS1C	BH212A SS1D	BH223 S1	BH117A SS1A	BH117A SS1B	BH117A SS1C
Lab ID		ZO8324	6073653	6073654	6073655	6073656	ZO8326	6073636	6073638	6073639
Sampling Date		18-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24	18-Feb-15	12-Aug-24	12-Aug-24	12-Aug-24
Soil Sample Depth (m)		0.2 - 0.5	0.2-0.5	0.2-0.5	0.2-0.5	0.2-0.5	0.0 - 0.8	0-0.8	0-0.8	0-0.8
Consultant		Pinchin	EXP	EXP	EXP	EXP	Pinchin	EXP	EXP	EXP
Laboratory		Maxxam	AGAT	AGAT	AGAT	AGAT	Maxxam	AGAT	AGAT	AGAT
pH	5-9 (surface soil); 5-11 (subsurface soil)	**11.7**	6.79	6.82	6.76	6.76	**11.6**	11.2	11.2	11.30
Average pH (Calculated)		**6.88**					**11.30**			

Location ID		BH214				
Sample ID	MECP (2011) Table 2: Full Depth Generic SCS in a Potable Groundwater Condition RPI Land Use (fine textured soil)	BH214 S1	BH214A SS1A	BH214A SS1B	BH214A SS1C	BH214A SS1D
Lab ID		ZN5961	6073657	6073658	6073659	6073660
Sampling Date		13-Feb-15	9-Aug-24	9-Aug-24	9-Aug-24	9-Aug-24
Soil Sample Depth (m)		0.2 - 0.5	0.2-0.5	0.2-0.5	0.2-0.5	0.2-0.5
Consultant		Pinchin	EXP	EXP	EXP	EXP
Laboratory		Maxxam	AGAT	AGAT	AGAT	AGAT
pH	5-9 (surface soil); 5-11 (subsurface soil)	**11.7**	6.75	6.74	6.73	6.72
Average pH (Calculated)		**6.83**				

Notes

All soil concentrations reported in pH units

'<' = Parameter below detection limit, as indicated

Bold Concentration exceeds MECP (2011) SCS.

Ontario Ministry of the Environment, Conservation and Parks (MECP). 2007. *Technical Update Environmentally Sensitive Areas: pH levels.* January.

Average for pH calculated per MECP (2007) guidance. Average pH = -log[mean(10^-^{sample1}+10^-^{sample2}+10^-^{sample3})]