Phase Two Environmental Site Assessment Report

1393 Grahams Lane, Burlington, Ontario

April 8, 2024

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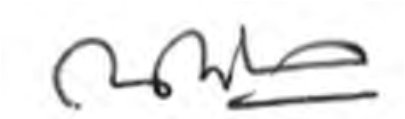


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Table of Contents

1 **Executive Summary** 1

2 **Introduction** 7
2.1 Site Description 7
2.2 Property Ownership 8
2.3 Current and Proposed Future Uses 8
2.3.1 Current Land Use 8
2.3.2 Future Land Use 8
2.4 Applicable Site Condition Standard 8

3 **Background Information** 9
3.1 Physical Setting 9
3.1.1 Water Bodies and Area of Natural Significance 9
3.1.2 Topography and Surface Water Drainage 10

4 **Scope of the Investigation** 11
4.1 Overview of Site Investigation 11
4.2 Media Investigated 12
4.2.1 Rationale for Inclusion or Exclusion of Media 12
4.2.2 Overview of Field Investigation of Media 12
4.3 Deviations from the Sampling and Analysis Plan 12
4.4 Impediments 12

5 **Investigation Method** 13
5.1 General 13
5.2 Drilling 13
5.3 Soil Sampling 14
5.3.1 Equipment Used 14
5.3.2 Geological Description of Soil 14
5.4 Field Screening Measurements 14
5.5 Groundwater Monitoring Well Installation 14
5.6 Field Measurement of Water Quality Parameter Ground Water: Sampling 14
5.7 Groundwater Sampling 15
5.8 Sediment Sampling 15
5.9 Analytical Testing 15
5.10 Residue Management Procedures 16
5.10.1 Soil Cuttings 16
5.10.2 Ground Water 16
5.10.3 Fluids from Cleaning 16
5.11 Elevation Surveying 16
5.12 Quality Assurance and Quality Control Measures 16
5.12.1 Containers, Labelling, Handling and Chain of Custody 16

5.12.2 Equipment Cleaning Procedures 17
5.12.3 Field Quality Control Measures....17
5.12.4 Deviations in the Quality Assurance and Quality Control Measures....17

6 Review and Evaluation 18
6.1 Geology....18
6.1.1 Geological Units Thickness (Estimate)....18
6.1.2 Elevations of Geological Units 18
6.1.3 Material in Geological Units 18
6.1.4 Properties of Aquifers and Aquitards....19
6.1.5 Rationale for Choice of Aquifers and Aquitards Investigated....19
6.2 Groundwater Elevations and Flow Direction 19
6.2.1 Rationale for Monitoring Well Locations and Screen Intervals....19
6.2.2 Results of Interface Probe Measurements 19
6.2.3 Thickness of Free-Flowing Product....19
6.2.4 Ground Water Elevations....19
6.2.5 Interpreted Direction of Groundwater Flow....19
6.2.6 Assessment of Temporal Variability....20
6.2.7 Influence of Buried Utilities 20
6.3 Groundwater Hydraulic Gradients 20
6.3.1 Horizontal Hydraulic Gradient 20
6.3.2 Vertical Hydraulic Gradient 20
6.4 Grain Size Analysis 20
6.5 Soil Field Screening 20
6.6 Soil Quality....20
6.6.1 Location and Depth of Samples 21
6.6.2 Comparison to Applicable Standards....21
6.6.3 Contaminants of Concern 22
6.6.4 Chemical or Biological Transformations....22
6.6.5 Contamination Impact on Other Media....23
6.6.6 Presence of Light or Dense Non-Aqueous Phase Liquids....23
6.7 Groundwater Quality 23
6.7.1 Location and Depth of Samples 23
6.7.2 Field Filtering....23
6.7.3 Comparison to Applicable Standards....24
6.7.4 Contaminants of Concern 24
6.7.5 Chemical or Biological Transformations....24
6.7.6 Contamination Impact on Other Media....24
6.7.7 Presence of Light or Dense Non-Aqueous Phase Liquids....24
6.8 Sediment Quality....24
6.9 Quality Assurance and Quality Control Results 25
6.9.1 Types of Quality Control Samples Collected and Results 25
6.9.2 Samples Not Handled in Accordance with the Analytical Methods....25
6.9.3 Subsection 47 (3) of the Regulation....25

6.9.4 Results Qualified by Laboratory 25
6.9.5 Overall Quality of Field Data 25

7 Conclusion 26

ENCLOSURES

Figures

Figure 1 ..... Phase Two Property Location
Figure 2 ..... PCA Locations
Figure 3 ..... APEC Locations
Figure 4 ..... Borehole/Monitoring Wells and Cross Section Location Plan
Figure 5 ..... Groundwater Elevations and Contour Line
Figure 6A ..... Soil Exceedances – Metals, Inorganics and ORPs (Plan View)
Figure 6B ..... Soil Exceedances – OCPs (Plan View)
Figure 7 ..... Groundwater Exceedances – PHCs & VOCs (Plan View)
Figure 8 ..... Cross Section A-A'
Figure 9 ..... Cross Section B-B'

Tables

Table 1 ..... Geological Units
Table 2 ..... Monitoring Well Constructions
Table 3 ..... Groundwater Levels
Table 4 ..... Soil Quality – Metals, Inorganics and ORPs
Table 5 ..... Soil Quality – OC Pesticides
Table 6 ..... Soil Quality - PAHs
Table 7 ..... Soil Quality – PHCs F1-F4 (with PAHs and VOC)
Table 8 ..... Soil Quality - PCBs
Table 9 ..... Soil Quality - pH
Table 10 ..... Soil Quality - VOCs
Table 11 ..... Groundwater Quality – OC Pesticides
Table 12 ..... Groundwater Quality – PAHs
Table 13 ..... Groundwater Quality - PCBs
Table 14 ..... Groundwater Quality – PHCs F1-F4 (with PAHs and VOCs)
Table 15 ..... Groundwater Quality – VOCs (with PHC)
Table 16 ..... Groundwater Quality – Metals (including Hydrides)

Appendices

Appendix A ..... Site Survey
Appendix B ..... Sampling and Analysis Plan
Appendix C ..... Standard Operating Procedures
Appendix D ..... Borehole Logs
Appendix E ..... Certificate of Analysis



1 Executive Summary

Englobe Corporation ('Englobe' formerly Terraprobe Inc.) was retained by 2621458 Ontario Inc. C/O Altus Group to complete a Phase Two Environmental Site Assessment Site Assessment (ESA) of the property (herein referred to as "Property" or "Site") situated on the north side of Grahams Lane approximately 230 m southwest of the intersection of Grahams Lane and Brant Street in the City of Burlington, Ontario.

The Phase Two Property consist of on "L" shaped parcel of land currently consisting of a two-storey commercial warehouse building with associated at grade parking lots and driveways. The Property covers approximately 1.08 ha (2.67 acres) of land. The surrounding area is predominantly commercial and residential in land use. The Property is currently in commercial land use per Ontario Regulation 153/04 (O. Reg. 153/04). The location and extent of the Property is indicated in Figures 1 and 2.

The Property is considered to be currently in commercial land use. The proposed development will consist of three (3) residential buildings: Building A - 16 storeys, Building B - 9 storeys, and Building C - 20 storey residential building resting on a two-level underground parking garage. Englobe understands that the Phase One and Phase Two ESA are required by the client in support of the Site Plan Application for the proposed development and in support of securing an RSC for the Property due to the proposed change to a more sensitive land use. The Phase One ESA was completed to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in O. Reg. 153/04.

The Phase One and Phase Two ESAs were conducted as per Ontario Regulation (O. Reg.) 153/04 to support an RSC filing, that may be a municipal requirement for zoning by-law and/or official plan amendments (ZBA and/or OPA).

Englobe Corporation previously completed a Phase One ESA for the Property. The findings are provided in a report entitled "*Phase One Environmental Site Assessment, 1393 Grahams Lane, Burlington, Ontario*", dated March 1, 2024.

The Phase One ESA identified the following potentially contaminating activities (PCAs) that may result in areas of potential environmental concerns (APECs) at the Property:

On-Site PCAs

- Others 1 - Ontario Regulation 347 - Waste Generator
- Others 2 - Salt Application for De-Icing Purposes
- 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 #34 – Metal Fabrication

Off-Site PCAs

- Others 1 - Ontario Regulation 347 - Waste Generator
- #8 – Chemical Manufacturing, Processing, and Bulk Storage
- #10 - Commercial Auto Body Shops
- #18 – Electricity Generation, Transformation and Power Stations
- #19 – Electronic and Computer Equipment Manufacturing
- #28 - Gasoline and Associated Products Storage in Fixed Tanks
- #31 – Ink Manufacturing, Processing and Bulk Storage
- #33 – Metal Treatment, Coating, Plating, & Finishing
- #34 – Metal Fabrication
- #40 - Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
- #43 - Plastics (including Fibreglass) Manufacturing and Processing
- #45 – Pulp, Paper, and Paperboard Manufacturing & Processing
- #46 Rail Yards, Tracks and Spurs
- #54 – Textile Manufacturing and Processing
- #55 – Transformer Manufacturing, Processing and Use
- #57: Vehicles and Associated Parts Manufacturing
- #59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products

The PCAs resulted in ten (10) Areas of Potential Environmental Concern (APECs) for the Property. APEC 1 was related to the presence of an electronic and computer equipment manufacturer on Site, APEC 2 was related to a metal fabrication facility on Site, APEC 3 & 4 was related to the presence of a gasoline associated tank on Site, APEC 5 was related to a waste generator located on Site, APEC 6A was related to the winter season de-icing salts and APEC 6B was related to the presence of unknown quality of fill material across the Property. Moreover, APEC 7, 8, 9, & 10 are associated with several PCAs from off-site presence, they are described in detailed in the APEC table below:

APEC No.	Location of APEC	Potentially Contaminating Activity	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 1	Southern Portion of Phase One Property	#19 - Electronic and Computer Equipment Manufacturing	On-Site	Metals, As, Sb, Se, B-HWS, CN-, Hg, Cr(VI), pH, EC, PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
APEC 2	Southern Portion of Phase One Property	#34 - Metal Fabrication	On-Site	Metals, As, Sb, Se, B-HWS, CN-, Hg, Cr(VI), pH	Soil and Groundwater
APEC 3	Exterior Western Wall of Commercial Building (Western Portion of Phase One Property)	#28 - Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX, VOCs	Soil and Groundwater
APEC 4	Midway point along fence on Western Property Boundary (Western Portion of Phase One Property)	#28 - Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX, VOCs	Soil and Groundwater
APEC 5	Southern Portion of Phase One Property	Others 1 - Ontario Regulation 347 - Waste Generator	On-Site	Metals, As, Sb, Se, B-HWS, CN-, Hg, Cr(VI), pH, EC, PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
APEC 6A	Across Phase One Property	Others 2 - Salt Application for De-Icing Purposes	On-Site	SAR, EC, Na, Cl	Soil and Groundwater
APEC 6B	Across Phase One Property	#30 – Importation of Fill Material of Unknown Quality	On-Site	PAHs, PCBs, Metals, As, Sb, Se, B-HWS, CN-, Hg, Cr(VI), pH, EC, SAR	Soil
APEC 7	Southern Property Boundary	Others 1 - Ontario Regulation 347 - Waste Generator #28 - Gasoline and Associated Products Storage in Fixed Tanks #18 – Electricity Generation, Transformation and Power Stations	Off-Site	Metals, As, Sb, Se, B-HWS, CN-, Hg, Cr(VI), pH, EC, SAR, PHCs, BTEX, VOCs, PAHs, PCBs	Soil and Groundwater

		#55 – Transformer Manufacturing, Processing and Use			
		#57: Vehicles and Associated Parts Manufacturing			
		#34 – Metal Fabrication			
		#31 – Ink Manufacturing, Processing and Bulk Storage			
		#8 – Chemical Manufacturing, Processing, and Bulk Storage			
		#33 – Metal Treatment, Coating, Plating, & Finishing			
		#10 - Commercial Auto Body Shops			
		#19 – Electronic and Computer Equipment Manufacturing			
APEC 8	Northern Property Boundary	Others 1 - Ontario Regulation 347 - Waste Generator	Off-Site	Metals, As, Sb, Se, B-HWS, CN-, Hg, Cr(VI), pH, EC, PHCs, BTEX, VOCs, PAHs, PCBs	Soil and Groundwater
		#40 - Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications			
		#45 – Pulp, Paper, and Paperboard Manufacturing & Processing			
		#31 – Ink Manufacturing, Processing and Bulk Storage			
		#59 – Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products			
		#54 – Textile Manufacturing and Processing			
		#34 – Metal Fabrication			
		#33 - Metal Treatment, Coating, Plating and Finishing			
		PCA #10 – Commercial Auto Body Shops			
		#43 - Plastics (including Fibreglass) Manufacturing and Processing			
APEC 9	Eastern Property Boundary	#10 - Commercial Auto Body Shops	Off-Site	Metals, As, Sb, Se, B-HWS, CN-, Hg, Cr(VI), pH, EC, PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
		#34 - Metal Fabrication			

APEC 10	Western Property Boundary	Others 1 - Ontario Regulation 347 - Waste Generator	Off-Site	Metals, As, Sb, Se, B-HWS, CN-, Hg, Cr(VI), pH, EC, PHCs, BTEX, VOCs, PAHs, PCBs	Soil and Groundwater

The Phase One ESA recommended that before the preparation and submission of a Record of Site Condition, a Phase Two Environmental Site Assessment must be completed to investigate the Areas of Potential Environmental Concern (APECs) for the Contaminants of Potential Concern that have been identified on the Property. To support the filing of an RSC, the Phase Two ESA was completed in compliance with amended O.Reg.153/04.

The conclusions arising from the Phase Two ESA are as follows:

- A total of eleven (11) boreholes were advanced on the Property to a depth of approximately 6.1 to 12.2 meters below ground surface (mbgs). eight (8) boreholes were instrumented with monitoring wells (BH1S, BH1D, BH2, BH5, BH6, BH7, BH8, and BH9).
- Soil conditions encountered within the boreholes consisted primarily of a layer of earth-fill, and native soils. The earth fill layer was composed approximately 1.5 – 3.0 m in thickness and was underlain by a layer of native soil materials. The earth-fill materials extended to depths of approximately 3.0 mbgs (94.0 to 91.8 masl). The earth-fill material consisted primarily of brown, clayey / sandy silt to silty sand, with trace amounts of gravel and organic matter. The earth-fill layer was underlain by native soils.
- Native soils were encountered beneath the fill material at all borehole locations on the Property. Native soil consisted of clayey silt, with trace to some sand, trace gravel, very stiff to hard, brown and moist. The clayey silt layer was encountered between approximately 93.0 to 86.3 masl, approximately between 1.5 to 6.1 mbgs. Additionally, native soils consisting of sandy silt to silt, with trace clay, trace gravel, dense to very dense, reddish brown and wet, were encountered between approximately 6.1 to 10.7 mbgs.
- Bedrock was encountered within the depth of investigation at BH1, BH2, BH3, BH4, BH5, BH6, BH7, BH8, and BH9. The bedrock was encountered between approximately 86.9 to 84.8 masl (7.6 to 9.4 mbgs). The bedrock was of the Queenston Formation, comprised of shale, siltstone with minor amounts of limestone, dolostone, and sandstone.
- The results of the samples submitted for chemical analysis were compared to the full depth generic site condition standards in a potable groundwater condition as contained in Table 2 of the Ministry of Environment, Conservation and Parks (MECP) publication "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*" for potable groundwater condition residential/parkland/institutional (RPI) Property Use with coarse textured soil (CT), April 15, 2011. According to the grain size analysis, the soil at the Property is coarse in texture.
- Selected soil samples were analyzed for Metals, Hydride Forming Metals (HFM), including As, Sb, Se; Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR), Hot Water-Soluble Boron (B-HWS), cyanide (CN-), chromium (VI) (Cr (VI), mercury (Hg), pH, Organochlorine Pesticides (OCPs), Polycyclic Aromatic Hydrocarbons (PAHs), Polychlorinated Biphenyls (PCBs), Petroleum Hydrocarbons (PHCs), and Volatile Organic Compounds (VOCs), including Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX). All soil samples submitted for chemical analysis met the applicable Table 2 RPI CT standard except for the following:
    - For the Metals and Inorganics analytical group, exceedances of Boron (hot water soluble), Copper, Mercury, Zinc, Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR) were observed.

    - The EC and SAR exceedances are likely due to the use of de-icing salts. De-icing salts used on roadways and parking lots on and adjacent to the Property as well as the placement of snow stockpiles on the parking lots on the Property, attribute to the EC and SAR exceedances. As per the O.Reg.407/19 Section 49.1, the salt-related parameters (EC and SAR) are not considered to be contaminants of concern for the Property, given that the de-icing salt has been applied to surfaces for the safety of vehicular and pedestrian traffic under conditions of snow, ice, or both.
    - For the OC Pesticides analytical group, exceedance of DDE was observed.
- Selected groundwater samples were submitted for analysis for Metals, PAHs, OCPs, PHCs, PCBs, and VOCs (including BTEX). All groundwater sample submitted for chemical analyses met applicable Table 2 RPI CT Standards for all parameters except for the following:
    - For the PAHs, PHCs, and VOCs analytical group, exceedances of 2-and 1- methyl Naphthalene, Phenanthrene, Chloroform, Ethylbenzene, and F2 (C10 to C16) were observed.

Based on the findings of the Phase Two ESA, additional soil and groundwater investigation is required delineate lateral and vertical extent of the impacts. Remediation of impacted soil and groundwater followed by confirmatory sampling will be required to meet the applicable Table 2 site condition standards before the filling of a Record of Site Condition (RSC) in accordance with O. Reg. 153/04, as amended.

It is expected that there will be significant removal of soil materials from the Property to facilitate the future construction of the proposed development. The future construction will result in the removal of fill materials and native soils noted at the Property.

The soil is unlikely to be reused on-site and would require to be removed from the site as excess soil, which is governed by Ontario Regulation 406/19 (O. Reg. 406/19). O. Reg. 406/19 has additional testing requirements for appropriate management of the resulting excess soils generated during redevelopment of the Property.

All wells installed during the subsurface soil and groundwater investigation are required to be decommissioned under Ontario Regulation 903 when they are no longer needed for groundwater observation.



2 Introduction

Englobe Corporation (formerly Terraprobe Inc.) was retained by 2621458 Ontario Inc. to complete a Phase Two Environmental Site Assessment (ESA) of the Property at 1393 Grahams Lane (herein referred to as "Property" or "Site") situated on the north side of Grahams Lane approximately 230m southwest of the intersection of Grahams Lane and Brant Street in the City of Burlington, Ontario. The general location of the Property is presented in Figure 1.

2.1 Site Description

The Phase Two Property consists of an "L" shaped parcel of land currently consisting of a two-storey commercial warehouse building with associated at grade parking lots and driveways. The Property covers approximately 1.08 ha (2.67 acres) of land. The surrounding area is predominantly commercial and residential in land use. The Property is currently in commercial land use per Ontario Regulation 153/04 (O. Reg. 153/04).

The proposed redevelopment of the Property will include three (3) buildings: Building A-16 storeys, Building B-9 storeys, and Building C-20 storeys, resting on a two-level underground parking garage.

The Phase One and Phase Two ESA are required by the client in support of the Site Plan Application for the proposed development and in support of securing an RSC for the Property due to the proposed change to a more sensitive land use. The Phase Two ESA was completed to satisfy the intent of the requirements, methodology and practices for a Phase Two ESA as described in O. Reg. 153/04.

Phase Two Property Information

Legal Description	Part Lot 69 RCP 99 Part 1 20R3140 & Part 1 20R21599
PIN	07090-0669 (LT)
Municipal Address	1393 Graham's Lane, Burlington, Ontario
Zoning	The Property is zoned as Mixed Use Corridor - Employment Oriented (MXE) under Part 5 of By-Law 2020-58
Area	Approximately 1.08 ha (2.67 acres)
Zone Northing Easting	17T 4798429N 596229E

2.2 Property Ownership

The ownership information for the Phase Two Property is as follows:

Municipal Address	1393 Grahams Lane, Burlington, ON.
Zoning	The Property is zoned as Mixed Use Corridor – Employment Oriented (MXE) under Part 5 of By-Law 2020-58
Property Owner Information	2621458 Ontario Inc. C/O Altus Group 33 Yonge Street, Suite 500 Toronto, ON. M5E 1G4

2.3 Current and Proposed Future Uses

2.3.1 Current Land Use

The Property is considered to be currently in Commercial land use as per Ontario Regulation 153/04 (O. Reg. 153/04).

2.3.2 Future Land Use

The proposed redevelopment of the Property will include three (3) buildings: Building A-16 storeys, Building B-9 storeys, and Building C-20 storeys, resting on a two-level underground parking garage. The Property will be developed for residential land use as per O.Reg. 153/04.

It is understood that the redevelopment of the Property would result in a more sensitive change of land use, i.e., the land use of the Property will change from commercial to residential per O.Reg.153/04.

2.4 Applicable Site Condition Standard

The applicable Site Condition Standards (SCS) for the future use of the subject property were determined to be those in Table 2 of April 15, 2011, Ontario Ministry of the Environment, Conservation and Parks (MECP) "Soil, Ground Water and Sediment Standards for use under part XV.1 of the Environmental Protection Act" for Residential/Parkland/Institutional land uses for coarse-textured soils in a potable groundwater condition. These are the applicable standards for the following reasons:

- The Property will be developed for residential purposes.
- The Site is in an area of Burlington which is serviced with municipal water services, using its potable water from Lake Ontario.
- The Site is not located within 30 m of a surface water body.
- The soil pH on the Property was determined to be between 5 and 9.

Based on the above, Table 3 Standards are applicable to the Property. However, Table 2 Standards are considered applicable to the Property due to location of the Property in the Region of Halton/City of Burlington. Given that ground water wells are used as source of potable water in some areas of the Region of Halton, City of Burlington would require Table 2 Standards for RSC purposes.



3 Background Information

3.1 Physical Setting

3.1.1 Water Bodies and Area of Natural Significance

Mapping from the Ontario Ministry of Natural Resources and Forestry (MNRF) was reviewed to determine if water bodies were present on the Property and within the Study Area. The MNRF National Heritage Information Centre database for listings of Areas of Natural or Scientific Interest (ANSIs) was reviewed. The information is summarized below.

Water Bodies (Property)	• No water bodies were identified on the Property
Water Bodies (Study Area)	• The nearest surface water body to the Site appears to be Upper Hager Creek, 50 m north of the Property. The inferred direction of groundwater flow at the Phase One Property is to the North-Northwest.
Wetland (Property)	Provincially Significant • No Provincially Significant wetlands are present on the Property. Non- Provincially Significant • No Non-Provincially Significant wetlands are present on the Property. Unevaluated • No Unevaluated wetlands are present on the Property.
Wetland (Study Area)	Provincially Significant • Provincially Significant wetlands are present approximately 35 m of the Property Non- Provincially Significant • No Non-Provincially Significant wetlands are present in the Study Area. Unevaluated • No Unevaluated wetlands are present in the Study Area.
ANSIs (Property)	Provincially Significant Life Science ANSI • No Life Science ANSIs were identified on the Property. Provincially Significant Earth Science ANSI • No Earth Science ANSIs were identified on the Property.

ANSIs (Study Area)	Provincially Significant Life Science ANSI • No Life Science ANSIs were identified in the Study Area. Provincially Significant Earth Science ANSI • No Earth Science ANSIs were identified in the Study Area.

3.1.2 Topography and Surface Water Drainage

A topographic map from the MNRF and the geological mapping produced by the Ontario Ministry of Northern Development and Mines - *Ontario Geological Survey* was reviewed. The information gleaned from the mapping is summarized below:

Elevation	The OBM showed the elevation of the Property was approximately 95 m above sea level (m asl)
Topography	The Property is relatively flat-lying, gently rolling with a slight slope to the north toward Upper Hager Creek. Thus, surface water is directed towards the north.
Hydrogeology	The nearest surface water body to the Site appears to be Upper Hager Creek, 50 m north of the Property. The inferred direction of groundwater flow based on the groundwater elevations taken at the monitoring wells located on the property is in the south/southeast direction.
Geology (overburden)	Based on published geology, the overburden material is generally coarse-textured glaciolacustrine deposits consisting of sand, gravel, minor silt and clay (9).
Geology (bedrock)	The bedrock on the site is of the Queenston formation, which is comprised of shale, minor limestone, sandstone, dolostone and siltstone.
Geology (depth to bedrock)	Based on subsurface investigation conducted on the Property, the depth to bedrock is 7.6 m to 9.4 m below ground surface within the Property.



4 Scope of the Investigation

4.1 Overview of Site Investigation

The Sampling and Analysis Plan is presented in Appendix B. The scope of work conducted by Terraprobe is summarized below:

Summary of Scope of Work

Date	Scope of Investigation	Scope of Soil Analysis*	Scope of Ground Water Analysis*
February 2024	• 11 boreholes, 8 of them instrumented with monitoring wells	• 11 metals including HFMs (As, Sb, Se, Cr) and ORPs analyses + 3 duplicate of each parameter. • 11 PAHs analyses + 3 duplicates of each parameter. • 11 PCBs analyses + 3 duplicates. • 11 PHC and VOCs (including BTEX) analyses + 4 duplicates of each parameter. • 2 OCPs analyses + 1 duplicate for each parameter. • 4 pH analyses + 1 duplicate.	• 7 metals analyses + 1 duplicate of each parameter. • 7 PHC analyses + 1 duplicate of each parameter. • 7 VOC analyses + 1 duplicate of each parameter + 1 Trip Blank for VOCs • 7 PAHs analyses + 1 duplicate of each parameter. • 7 PCBs analyses + 1 duplicate of each parameter • 2 OCP analyses + 1 duplicate of each parameter.

*Note: PHC – petroleum hydrocarbons
VOC – volatile organic compounds
ORP – Other Regulated Parameters
HFM – Hydride Forming Metals
OCP – Organochlorine Pesticides

PAH – Polycyclic Aromatic Hydrocarbon
PCB – Polychlorinated Biphenyl

4.2 Media Investigated

4.2.1 Rationale for Inclusion or Exclusion of Media

Media	Included / Excluded	Rationale
Soil	Included	Based upon the Phase One ESA, soil sampling was required on the Property of the identified PCoCs. Sample locations were selected to investigate all the identified APECs.
Sediment	Excluded	Surface water bodies were not present on the Property. As such, sediment sampling was not conducted during the investigation.
Ground Water	Included	Based upon the Phase One ESA, groundwater sampling was required on the Property of the identified PCoCs. Sample locations were selected to investigate all the identified APECs.
Surface Water	Excluded	Surface water bodies were not present on the Property. As such, surface water sampling was not conducted during the investigation.

4.2.2 Overview of Field Investigation of Media

Soil sampling was conducted during the drilling program using a split spoon sampling device. Groundwater sampling was conducted from monitoring wells installed within the completed boreholes.

4.3 Deviations from the Sampling and Analysis Plan

The sampling and analysis plan is provided in Appendix B. There was no other deviation from the sampling & analysis plan.

4.4 Impediments

Impediments were not encountered during the investigation.



5 Investigation Method

5.1 General

Utility clearances were undertaken before commencing the subsurface investigation. The Phase Two ESA followed the methods outlined in the following documents:

- Ontario Ministry of the Environment and Climate Change "*Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*" (December 1996)
- Ontario Ministry of the Environment and Climate Change "*Guide for Completing Phase Two Environmental Site Assessments under Ontario regulation 153/04*" (June 2011)
- Ontario Ministry of the Environment and Climate Change "*Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act*" (July 2011)

The methods used in the Phase Two ESA investigation did not differ from the associated standard operating procedures. The Standard Operating Procedures are presented in Appendix C.

5.2 Drilling

The drilling information for the Phase Two ESA is provided below:

Date of Drilling	February 21-27, 2024
Borehole	BH1S, BH1D, BH2, BH3, BH4, BH5, BH6, BH7, BH8, BH9, BH10, and BH11.
Name of Contractor	Drilltech Drilling Ltd.
Equipment Used	- Track Mount Drilling Rig - Solid Stem Augers - Two (2)-inch Split Spoon Sampling Device
Decontamination Measures	The split spoon sampling device was washed between each sample to minimize potential cross-contamination
Sample Frequency	Please refer to the borehole logs in Appendix D for recovered soil samples

5.3 Soil Sampling

5.3.1 Equipment Used

- Laboratory supplied sampling containers
- Nitrile gloves
- Cooler with loose ice
- RKI EAGLE 2

5.3.2 Geological Description of Soil

The geological description of each soil sample collected is presented on the borehole logs in Appendix D.

5.4 Field Screening Measurements

Selected soil samples were screened in the field using portable hydrocarbon vapour testing equipment and following the procedure outlined in the "*Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*" published by the Ontario Ministry of the Environment and Climate Change. All samples were screened using an RKI Instruments EAGLE 2 Monitor. The monitor has a range of 0 parts per million (ppm) to 50,000 ppm and an accuracy of +/- 5%. The monitor was calibrated with hexane before field screening as per the calibration procedure outlined by RKI Instruments in "*Instruction Manual Eagle Series Portable Multi-Gas Detector 71-0028RK,*" released August 8, 2010.

Field screening measurements were used to help select samples for petroleum hydrocarbon and volatile organic compounds laboratory analysis. Complete field screening readings are provided on the borehole logs in Appendix D.

5.5 Groundwater Monitoring Well Installation

The monitoring well installation information for the Phase Two ESA is provided below:

Date of Drilling	February 21 – 27, 2024
Monitoring Well	BH1D, BH1S, BH2, BH3, BH5, BH6, BH7, BH8, and BH9
Name of Contractor	Drilltech Drilling Ltd.
Equipment Used	- Track Mount Drilling Rig - Solid Stem Augers - Two (2)-inch Split Spoon Sampling Device
Decontamination Measures	The split spoon sampling device was washed between each sample to minimize potential cross-contamination
Sample Frequency	No groundwater samples were collected during this drilling event.
Well Construction	The wells were constructed of 50-mm (2-in) ID PVC screens and risers. Filter sand was placed around the well screen to approximately 0.6 m above the top of the screen. The wells were then backfilled with bentonite.
Well Elevations	Monitoring well elevations and depths are presented in Table 2 and Table 3.

The monitoring wells were developed by surging the wells by an inertial pump fitted with a surge block. The monitoring wells were then purged by removing approximately three (3) to five (5) casing volumes or until the well was dry. The monitoring well locations are provided in Figure 4.

5.6 Field Measurement of Water Quality Parameter Ground Water: Sampling

A Hanna Model 991300 Hand-held System was used to measure the pH, conductivity, and temperature of the groundwater. During the purging of the monitoring wells and before sampling, readings were collected for every liter of water purged. Purging continued until the parameters had stabilized, indicating that

formation water was being drawn through the monitoring well. The Hanna instrument measurements comply with the following EPA approved test methods:

- Temperature Standard Method 2550 B-2000
- Specific Conductance EPA Method 120.1 and Standard Method 2 2510 B-1997
- pH Standard Method 4500-H+B-2000 and USGS Method I-1586-85

The field measurements of water quality parameters are presented below:

Range

- pH 0.00 to 14.00 pH
- EC 0.00 to 20.00 mS/cm
- TDS 0.00 to 10.00 ppt (g/L)
- Temperature 0.0 to 60.0°C

Resolution

- pH 0.01 pH
- EC 0.01 mS/cm
- TDS 0.01 ppt
- Temperature 0.1°C

Accuracy

- pH ±0.01 pH
- EC ±2% F.S.
- TDS ±2% F.S.
- Temperature ±0.5°C

5.7 Groundwater Sampling

The monitoring wells were purged using an inertia pump and tubing. The groundwater was sampled using a sampling bailer. The parameters (pH, conductivity, temperature) were stabilized before a sample was taken; thus, low flow methods facilitate equilibrium with the surrounding formation water and produce samples that were representative of the formation water.

Stabilization was considered to occur when consecutive readings were within the following:

- Conductivity ± 3%
- Temperature ± 0.2 °C
- pH ± 0.1 unit

5.8 Sediment Sampling

No sediment sampling was conducted as part of this investigation.

5.9 Analytical Testing

AGAT Laboratories conducted analytical testing of soil and groundwater. Laboratory Certificates of Analyses were received for all samples submitted for chemical analysis. The soil and groundwater samples submitted for chemical analysis are summarized in the Sampling and Analysis Plan presented in Appendix B.

5.10 Residue Management Procedures

5.10.1 Soil Cuttings

Soil cuttings generated during the drilling activities were stored in drums and left on the Property for future appropriate disposal.

5.10.2 Ground Water

The development and purging water generated during the groundwater sampling was placed in the drums on the Property for future appropriate disposal.

5.10.3 Fluids from Cleaning

The fluids from cleaning were disposed of in the drums on the Property for future appropriate disposal.

5.11 Elevation Surveying

The elevations of the boreholes on the Property were surveyed by Terraprobe using a Trimble R10 survey system. The Trimble R10 is a differential global positioning system (GPS) that involves the cooperation of two receivers, one that's stationary and another that's roving around making position measurements. The elevation of each borehole on the Property is presented on the borehole logs in Appendix D.

5.12 Quality Assurance and Quality Control Measures

5.12.1 Containers, Labelling, Handling and Chain of Custody

Containers

The following laboratory-supplied sample containers were used for all sampling conducted on the Property.

Soil Parameters	Container
Chloride, electrical conductivity	250 mL glass jar, Teflon lined lid
Cyanide (CN^-)	250 mL glass jar, Teflon lined lid
Hexavalent chromium	250 mL glass jar, Teflon lined lid
Metals (includes hydride-forming metals, SAR, HWS boron, calcium, magnesium, sodium)	250 mL glass jar, Teflon lined lid
Mercury, methyl mercury	250 mL glass jar, Teflon lined lid
pH	250 mL glass jar, Teflon lined lid
BTEX, PHCs (F1), THMs, VOCs	40-60 mL glass vial (charged with methanol preservative, pre-weighed) and a glass jar (for moisture content)
PHCs (F2-F4)	120 mL glass jar, Teflon lined lid
Ground Water Parameters	**Container**
BTEX, PHCs (F1), VOCs	40-60 mL glass vials (minimum of 2)
PHCs (F2-F4)	2 x 100 mL amber glass bottle, Teflon lined lid
Metals (includes hydride-forming metals, calcium, magnesium, sodium)	1 x 250 mL HDPE

Labelling

All sampling containers were identified with laboratory-supplied labels. The labels included the following information:

- Unique Sample ID
- Company Name
- Date and Time
- Project Number

Handling

Samples were placed in coolers with loose ice after collection for transportation to the laboratory. Sample hold times were met for all submitted soil and groundwater samples.

Chain of Custody

Laboratory-supplied Chain of Custody forms were completed for all samples submitted for analysis.

During soil sampling, the split spoon sampling device was washed between samples to minimize cross-contamination. While handling all samples, Terraprobe staff used nitrile gloves. New gloves were used for each sample to avoid cross-contamination.

No deviations from the sampling and analysis plan occurred. Field duplicates were obtained for both soil and groundwater samples at a rate of at least 10%. A trip blank was submitted for the VOC analysis of the groundwater samples

5.12.2 Equipment Cleaning Procedures

All non-dedicated sampling and monitoring equipment must be cleaned following each use. During soil sampling, the split spoon sampling device was washed between samples to minimize cross-contamination. During groundwater sampling, a new sampling bailer was used at each monitoring well.

Dedicated equipment (nitrile gloves, terracore samplers, tubing) was changed between each sample to avoid cross-contamination.

5.12.3 Field Quality Control Measures

- All non-dedicated sampling and monitoring equipment was cleaned following each use.
- Sufficient field duplicate samples were collected in each medium being sampled so that at least one field duplicate sample can be submitted for laboratory analysis for every ten samples submitted for laboratory analysis
- Calibration checks on field instruments occurred daily before the commencement of sampling

5.12.4 Deviations in the Quality Assurance and Quality Control Measures

No deviations from the sampling and analysis plan occurred.



6 Review and Evaluation

6.1 Geology

Detailed geological information for the site is presented on the borehole logs in Appendix D. The geology is summarized below.

6.1.1 Geological Units Thickness (Estimate)

The geological unit thicknesses are presented in Table 1.

6.1.2 Elevations of Geological Units

The geological unit elevations are presented in Table 1.

6.1.3 Material in Geological Units

Earth-Fill

Earth-fill was encountered at all borehole locations and was comprised of Clayey/Sandy Silt to silty sand, gravel and organic matter. The Sandy Silt, earth-fill layer was encountered between 94.0 and 91.8 masl, approximately between 3.0 meters below ground surface (mbgs) on the Property. The earth-fill layer was brown in colour and was underlain by native soils.

Native Soil

Native soils were encountered beneath the fill materials at all borehole locations on the Property. Native soil consisted of Clayey Silt, with trace to come sand, trace gravel, very stiff to hard, brown and moist. The Clayey silt layer was encountered between approximately 93.0 to 86.3 masl, approximately between 1.5 to 6.1 mbgs.

Native soil consisting of Sandy Silt to silt, with trace clay, trace gravel, dense to very dense, reddish brown and wet, were encountered at all borehole locations, between 88.4 and 83.8 masl, approximately 6.1 to 10.7 mbgs.

Bedrock

Bedrock was encountered within the depth of investigation at BH1, BH2, BH3, BH4, BH5, BH6, BH7, BH8, and BH9. The bedrock was encountered between approximately 86.9 to 84.8 masl (7.6 to 9.4 mbgs). The bedrock was of the Queenston Formation bedrock, comprised of shale, siltstone with minor amounts of limestone, dolostone, and sandstone.

6.1.4 Properties of Aquifers and Aquitards

Earth-Fill

The earth-fill on the Property is an unconfined and drained aquifer. The groundwater table on the property is located below the fill. The fill is hydraulically interconnected to the native soils. Any water within the fill material is expected to migrate downwards into the native soil.

Native Soil

The native soils, consisting of primarily non-cohesive glacial till deposits, are considered to be part of an aquifer and are the primary water-bearing unit on the Property. Recharge into the aquifer will be primarily through rainfall events and migration from the north adjoining properties.

Bedrock

The anticipated Queenston Formation bedrock that was encountered within the depth of investigation is expected to be of low permeability and expected to behave as an aquitard.

6.1.5 Rationale for Choice of Aquifers and Aquitards Investigated

The native soils were chosen for investigation because:

- the likelihood of vertical migration of water from the fill aquifer downward
- possibility of free groundwater present through recharge from a larger area and up-gradient tributaries

6.2 Groundwater Elevations and Flow Direction

6.2.1 Rationale for Monitoring Well Locations and Screen Intervals

Monitoring wells were located across the Property to provide full site coverage. Screen intervals were chosen within the native soil unit to allow for the collection of groundwater samples within the water-bearing aquifer.

6.2.2 Results of Interface Probe Measurements

Interface probe measurements indicated that only water was present on the Property. No light non-aqueous phase liquids (LNAPL) or dense non-aqueous phase liquids (DNAPL) were detected.

6.2.3 Thickness of Free-Flowing Product

No free-flowing product was encountered on the Property.

6.2.4 Ground Water Elevations

Groundwater elevations are presented in Figure 5.

6.2.5 Interpreted Direction of Groundwater Flow

The interpreted direction of groundwater flow is to the south, southeast based on the groundwater elevations recorded from the installed monitoring wells. Groundwater flow direction and groundwater

elevation contours are presented in Figure 5. Based on the topography of the area, groundwater is inferred to flow to the north/northwest towards Upper Hager Creek located 50 m north of the Property

6.2.6 Assessment of Temporal Variability

One (1) groundwater level measurement events were conducted on the Property in March 2024. The data collected is insufficient to discern the temporal variability of the Property.

6.2.7 Influence of Buried Utilities

Property is developed. There are subsurface structures and buried utilities on the Property that may have affected the groundwater flow.

6.3 Groundwater Hydraulic Gradients

6.3.1 Horizontal Hydraulic Gradient

Based on the ground water measurements collected, the horizontal gradient for the Property is approximately 0.039 m/m to the south, from borehole location BH1 to BH8.

6.3.2 Vertical Hydraulic Gradient

Vertical hydraulic conductivity was determined from BH1S and BH1D, where the two well screens differ in depths and were installed within the same soil stratum. The vertical gradient for the Property is approximately 0.48 m/m downward.

6.4 Grain Size Analysis

Grain size analysis was conducted on three (3) representative soil samples collected from the Property. Two of the soil samples were determined to be coarse in texture and one soil sample was determined to be medium fine in texture.

6.5 Soil Field Screening

Soil screening was conducted on all samples from all eleven (11) boreholes using portable hydrocarbon vapour testing equipment and visual and olfactory observations. There was no evidence of impacts based on field observations.

6.6 Soil Quality

Soil samples from all eleven (11) boreholes were selected for chemical analysis on the Property. The selected soil samples were analyzed for Metals, Hydride Forming Metals (HFM), including As, Sb, Se; Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR), Hot Water-Soluble Boron (B-HWS), cyanide (CN-), chromium (VI) (Cr (VI), mercury (Hg), pH, Organochlorine Pesticides (OCPs), Polycyclic Aromatic Hydrocarbons (PAHs), Polychlorinated Biphenyls (PCBs), Petroleum Hydrocarbons (PHCs), and Volatile Organic Compounds (VOCs), including Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX). Also, at least three (3) duplicate sample was submitted for each parameter. The location and depths of the samples submitted for chemical analysis are presented below.

6.6.1 Location and Depth of Samples

Soil Sampling Plan & Summary																				
Borehole	Sample	Analytical Groups									Duplicates									
		M&I	EC / SAR	PAHs	PCBs	OCPs	pH	PHCs	VOCs	BTEX	M&I	EC /SAR	PAHs	PCBs	ph	OCPs	PHCs	VOCs	BTEX
1	SS1	X	✓	✓	✓	X	---	✓	✓	✓	X	✓	---	✓	---	X	✓	✓	✓
	SS5	---	---	---	---	---	✓	---	---	---	---	---	---	---	---	---	✓	✓	✓
2	SS1	✓	✓	✓	✓	✓	---	✓	✓	✓	---	---	---	---	---	---	---	---	---
3	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	---	---	---	---	---	---	---	---	---
	SS5	---	---	---	---	---	✓	---	---	---	---	---	---	---	---	---	---	---	---
4	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	---	---	---	---	---	---	---	---	---
	SS5	---	---	---	---	---	✓	---	---	---	---	---	---	---	---	---	---	---	---
5	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	---	---	---	---	---	---	---	---	---
6	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	✓	✓	✓	✓	---	---	✓	✓	✓
7	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	✓	✓	---	---	---	---	---	---	---
	SS5	---	---	---	---	---	✓	---	---	---	---	---	---	---	✓	---	---	---	---
8	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	---	---	---	---	---	---	---	---	---
9	SS1	X	✓	✓	✓	---	---	✓	✓	✓	---	---	✓	✓	---	---	✓	✓	✓
10	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	---	---		---	---	---	---	---	---
11	SS1	X	✓	✓	✓	---	---	✓	✓	✓	---	---	✓	---	---	---	---	---	---

Note: ✓- Meets MECP Table 2 RPI CT Standards
X - Exceeds MECP Table 2 RPI CT Standards
--- - Not sampled

6.6.2 Comparison to Applicable Standards

The rationale for sampling location and frequency are presented in the Sampling and Analysis Plan in Appendix B. The results of soil chemical analysis are provided in Tables 4, 5, 6, 7, 8, 9, and 10. The following exceedances were identified when compared to Table 2 RPI CT standards.

Metals & Inorganic Analytical Group

Eleven (11) soil samples plus three (3) duplicate sample were selected for chemical analysis for the Metals and Inorganics analytical group. The total fourteen (14), collected and analyzed samples met Table 2 RPI CT soil standards for all parameters of the Metals and Inorganics analytical group, except for Boron (hot water soluble), Copper, Mercury, Zinc, Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR), which are highlighted below.

Sample Description			**BH9-SS1**
Date Sampled			02/29/2024
Sample Depth (mbgs)			0-0.6
Sample Elevation (masl)			94.7-94.1
AGAT Workorder			24T125325
Parameter Name	**ON T2 S RPI CT**	**Unit**	**5689149**
Electrical Conductivity	0.7	mS/cm	**1.09**
Sodium Adsorption Ratio	5	N/A	**8.38**

The EC and SAR exceedances at these locations are likely due to the use of de-icing salts. De-icing salts used on roadways and parking lots on and adjacent to the Property as well as the placement of snow stockpiles on the parking lots on the Property, attribute to the EC and SAR exceedances. As per the O.Reg.407/19 Section 49.1, the salt-related parameters (EC and SAR) are not considered to be contaminants of concern for the Property, given that the de-icing salt has been applied to surfaces for the safety of vehicular and pedestrian traffic under conditions of snow, ice, or both.

The Boron (Hot Water Soluble), Copper and Mercury exceedances were observed at borehole location BH1-SS1. The Zing exceedance was observed at borehole location BH11-SS1.

Sample Description			BH1-SS1	DUP 1
Date Sampled			2/29/2024	
Sample Depth (mbgs)			0-0.6	
Sample Elevation (masl)			94.5-93.9	
AGAT Workorder			24T125325	
Parameter Name	**ON T2 S RPI CT**	**Unit**	**5689136**	**5689152**
Boron (Hot Water Soluble)	1.5	µg/g	**2.17**	**1.8**
Copper	140	µg/g	**172**	**196**
Mercury	0.27	µg/g	**1.02**	**0.64**

Sample Description			BH11-SS1
Date Sampled			02/29/2024
Sample Depth (mbgs)			0-0.6
Sample Elevation (masl)			94.4-93.8
AGAT Workorder			24T125325
Parameter Name	**ON T2 S RPI CT**	**Unit**	**5689151**
Zinc	340	µg/g	**474**

No other exceedances of the MECP Table 2 RPI CT Standards were observed in the selected soil samples. The laboratory Certificates of Analysis are provided in Appendix E.

OC Pesticides Analytical Group

Two (2) soil samples plus one (1) duplicate sample were selected for chemical analysis for the OC Pesticides analytical group. All three (3), collected and analyzed samples met Table 2 RPI CT soil standards for all parameters of the OC Pesticides analytical group, except for DDE which is highlighted below.

Sample Description			BH1-SS1	DUP6
Date Sampled			2/29/2024	
Sample Depth (mbgs)			0-0.6	
Sample Elevation (masl)			94.5-93.9	
AGAT Workorder			24T125325	
Parameter Name	**ON T2 S RPI CT**	**Unit**	**5689136**	**5689158**
DDE	0.26	µg/g	**0.372**	**0.467**

6.6.3 Contaminants of Concern

Contaminant of Concern associated with the soil on the Property are identified as follows:

- Metals, Inorganics and ORPs
  - Boron (Hot Water Soluble), Copper, Mercury, and Zinc.
- OC Pesticides
  - DDE

6.6.4 Chemical or Biological Transformations

No Contaminant of Concern associated with the soil on the Property were identified.

6.6.5 Contamination Impact on Other Media

No Contaminant of Concern associated with the soil on the Property were identified.

6.6.6 Presence of Light or Dense Non-Aqueous Phase Liquids

No light non-aqueous phase liquids (LNAPL) or dense non-aqueous phase liquids (DNAPL) were detected in the soil on the Property.

6.7 Groundwater Quality

Groundwater sampling was completed for seven (7) monitoring wells on the Property. Groundwater samples were analyzed for Metals, PAHs, OCPs, PHCs and VOCs (including BTEX). Also, one duplicate sample was submitted for each parameter, and one (1) trip blank was submitted for VOCs.

6.7.1 Location and Depth of Samples

The location and depths of the samples submitted for chemical analysis are presented below.

Groundwater Sampling Plan & Summary												
Monitoring Well	Analytical Groups											
	M&I	PAHs	PCBs	PHCs	VOCs (BTEX)	OCP	Duplicates					
							M&I	PAHs	PCBs	PHCs	VOCs (BTEX)	OCP
1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	✓	✓	✓	✓	✓	✓	---	---	---	---	---	---
5	✓	✓	✓	✓	✓	---	---	---	---	---	---	---
6	✓	✓	✓	✓	✓	---	---	---	---	---	---	---
7	✓	X	✓	X	X	---	---	---	---	---	---	---
8	✓	✓	✓	✓	✓	---	---	---	---	---	---	---
9	✓	✓	✓	✓	✓	---	---	---	---	---	---	---

Note: ✓- Meets MECP Table 2 RPI CT Standards
X - Exceeds MECP Table 2 RPI CT Standards
--- - Not sampled

6.7.2 Field Filtering

All groundwater samples were filed filtered, since unfiltered groundwater samples are used for analytical testing of PHCs, VOCs, and BTEX, as per the analytical laboratory's protocol.

6.7.3 Comparison to Applicable Standards

The rationale for sampling location and frequency are presented in the Sampling and Analysis Plan in Appendix B. The results of soil chemical analysis are provided in Tables 11, 12, 13, 14, 15, and 16. The following exceedances were identified when compared to Table 2 RPI CT standards.

PAHs, PHCs, and VOC Analytical Group

Seven (7) groundwater samples plus one (1) duplicate sample were selected for chemical analysis for the PAHs, PHCs and VOCs analytical group. The total eight (8), collected and analyzed samples met Table 2 NPGW CT standards for all parameters of the PAHs, PHCs, and VOCs analytical group, except for 2-and 1- methyl Naphthalene, Phenanthrene, Chloroform, Ethylbenzene, and F2 (C10 to C16), which are highlighted below.

Sample Description			**MW7**
Date Sampled			03/14/2024
Screen Depth (mbgs)			7.6-10.6
Screen Elevation (masl)			86.8-83.8
AGAT Workorder			24T129647
Parameter Name	**ON T2 NPGW CT**	**Unit**	**5726976**
Chloroform	2.4	µg/L	**4.74**
Ethylbenzene	2.4	µg/L	**5.87**
F2 (C10 to C16)	150	µg/L	**883**
2-and 1-methyl Nepthalene	3.2	µg/L	**28.5**
Phenanthrene	1	µg/L	**1.83**

No other exceedances of the MECP Table 2 NPGW CT Standards were observed in the selected groundwater samples. The laboratory Certificates of Analysis are provided in Appendix E.

6.7.4 Contaminants of Concern

Contaminant of Concern associated with the groundwater on the Property are identified as follows:

- PAHs, PHCs and VOCs
    - Chloroform, Ethylbenzene, and F2 (C10 to C16)
    - 2-and 1- methyl Naphthalene, Phenanthrene

6.7.5 Chemical or Biological Transformations

No significant chemical or biological transformations are expected to occur with the contaminants of concern that exceeded the applicable site condition standards.

6.7.6 Contamination Impact on Other Media

The Contaminant of Concern exceeding the applicable site condition standards within the groundwater have the potential to impact indoor air quality.

6.7.7 Presence of Light or Dense Non-Aqueous Phase Liquids

No LNAPL or DNAPL was detected in the groundwater on the Property.

6.8 Sediment Quality

No surface water features were present on the property. Therefore, no sediment sampling was conducted as part of this investigation.

6.9 Quality Assurance and Quality Control Results

6.9.1 Types of Quality Control Samples Collected and Results

Soil and groundwater samples were handled per the Analytical Protocol concerning holding time, preservation method, storage requirement and sample container type. Laboratory results were compared to MECP standards for quality control under Ontario Regulation 153, which requires laboratory results to meet specific method detection limit (MDL) requirements. In general, the sampling and analyses performed conformed with the following:

- Ministry of the Environment Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario.
  –
- Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.I of the Environmental Protection Act of Ontario.

Duplicate samples were submitted at a rate of 10% for both soil and groundwater samples.

6.9.2 Samples Not Handled in Accordance with the Analytical Methods

Holding Time

All samples met the holding times as specified in Ontario Ministry of the Environment, Conservation and Park – Laboratory Services Branch *"Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act"* July 1, 2011.

Preservation Method

All samples met the preservation methods as specified in Ontario Ministry of the Environment, Conservation and Park – Laboratory Service Branch *"Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act"* July 1, 2011.

Storage Requirement

All samples met the storage requirements as specified in Ontario Ministry of the Environment, Conservation and Park – Laboratory Service Branch *"Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act"* July 1, 2011.

Container Type

All samples met the container type as specified in the Ontario Ministry of the Environment, Conservation and Park – Laboratory Services Branch *"Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act"* July 1, 2011.

6.9.3 Subsection 47 (3) of the Regulation

All certificates of analysis or analytical reports received according to clause 47 (2) (b) of the regulation comply with subsection 47 (3). A certificate of analysis or analytical report has been received for each sample submitted for analysis. All certificates of analysis or analytical reports received have been included and are presented in Appendix E.

6.9.4 Results Qualified by Laboratory

The laboratory did not qualify any results or made any remarks in a certificate of analysis or analytical report about a sample.

6.9.5 Overall Quality of Field Data

Decision-making regarding the environmental condition of the Property was not affected by the overall quality of the field data. The overall quality of the field data was considered by the Qualified Person to meet the objectives of the investigation and assessment.



7 Conclusion

The conclusions arising from the Phase Two ESA are as follows:

- A total of eleven (11) boreholes were advanced on the Property to a depth of approximately 6.1 to 12.2 meters below ground surface (mbgs). eight (8) boreholes were instrumented with monitoring wells (BH1S, BH1D, BH2, BH5, BH6, BH7, BH8, and BH9).
- Soil conditions encountered within the boreholes consisted primarily of a layer of earth-fill, and native soils. The earth fill layer was composed approximately 1.5 – 3.0 m in thickness and was underlain by a layer of native soil materials. The earth-fill materials extended to depths of approximately 3.0 mbgs (94.0 to 91.8 masl). The earth-fill material consisted primarily of brown, clayey / sandy silt to silty sand, with trace amounts of gravel and organic matter. The earth-fill layer was underlain by native soils.
- Native soils were encountered beneath the fill material at all borehole locations on the Property. Native soil consisted of clayey silt, with trace to some sand, trace gravel, very stiff to hard, brown and moist. The clayey silt layer was encountered between approximately 93.0 to 86.3 masl, approximately between 1.5 to 6.1 mbgs. Additionally, native soils consisting of sandy silt to silt, with trace clay, trace gravel, dense to very dense, reddish brown and wet, were encountered between approximately 6.1 to 10.7 mbgs.
- Bedrock was encountered within the depth of investigation at BH1, BH2, BH3, BH4, BH5, BH6, BH7, BH8, and BH9. The bedrock was encountered between approximately 86.9 to 84.8 masl (7.6 to 9.4 mbgs). The bedrock was of the Queenston Formation, comprised of shale, siltstone with minor amounts of limestone, dolostone, and sandstone.
- The results of the samples submitted for chemical analysis were compared to the full depth generic site condition standards in a potable groundwater condition as contained in Table 2 of the Ministry of Environment, Conservation and Parks (MECP) publication "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*" for potable groundwater condition residential/parkland/institutional (RPI) Property Use with coarse textured soil (CT), April 15, 2011. According to the grain size analysis, the soil at the Property is coarse in texture.

- Selected soil samples were analyzed for Metals, Hydride Forming Metals (HFM), including As, Sb, Se; Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR), Hot Water-Soluble Boron (B-HWS), cyanide (CN-), chromium (VI) (Cr (VI), mercury (Hg), pH, Organochlorine Pesticides (OCPs), Polycyclic Aromatic Hydrocarbons (PAHs), Polychlorinated Biphenyls (PCBs), Petroleum Hydrocarbons (PHCs), and Volatile Organic Compounds (VOCs), including Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX). All soil samples submitted for chemical analysis met the applicable Table 2 RPI CT standard except for the following:
    - For the Metals and Inorganics analytical group, exceedances of Boron (hot water soluble), Copper, Mercury, Zinc, Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR) were observed.
    - The EC and SAR exceedances are likely due to the use of de-icing salts. De-icing salts used on roadways and parking lots on and adjacent to the Property as well as the placement of snow stockpiles on the parking lots on the Property, attribute to the EC and SAR exceedances. As per the O.Reg.407/19 Section 49.1, the salt-related parameters (EC and SAR) are not considered to be contaminants of concern for the Property, given that the de-icing salt has been applied to surfaces for the safety of vehicular and pedestrian traffic under conditions of snow, ice, or both.
    - For the OC Pesticides analytical group, exceedance of DDE was observed.
- Selected groundwater samples were submitted for analysis for Metals, PAHs, OCPs, PHCs, PCBs, and VOCs (including BTEX). All groundwater sample submitted for chemical analyses met applicable Table 2 RPI CT Standards for all parameters except for the following:
    - For the PAHs, PHCs, and VOCs analytical group, exceedances of 2-and 1- methyl Naphthalene, Phenanthrene, Chloroform, Ethylbenzene, and F2 (C10 to C16) were observed.

Based on the findings of the Phase Two ESA, additional soil and groundwater investigation is required delineate lateral and vertical extent of the impacts. Remediation of impacted soil and groundwater followed by confirmatory sampling will be required to meet the applicable Table 2 site condition standards before the filling of a Record of Site Condition (RSC) in accordance with O. Reg. 153/04, as amended.

It is expected that there will be significant removal of soil materials from the Property to facilitate the future construction of the proposed development. The future construction will result in the removal of fill materials and native soils noted at the Property.

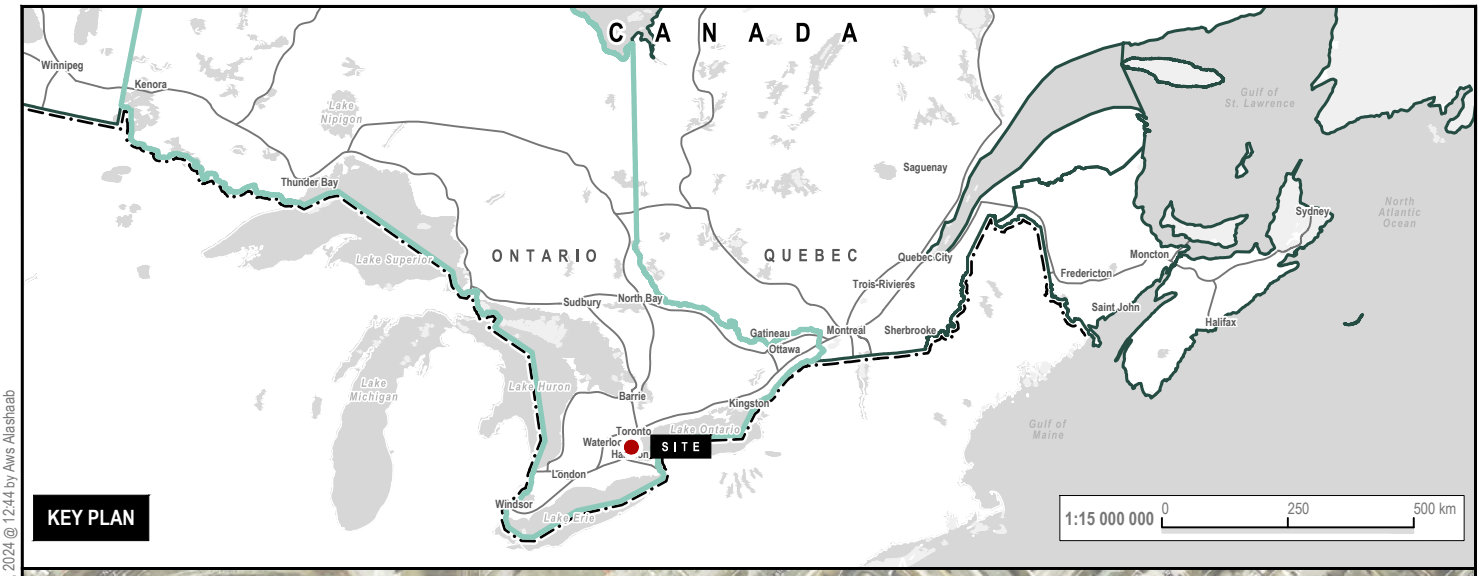
The soil is unlikely to be reused on-site and would require to be removed from the site as excess soil, which is governed by Ontario Regulation 406/19 (O. Reg. 406/19). O. Reg. 406/19 has additional testing requirements for appropriate management of the resulting excess soils generated during redevelopment of the Property.

All wells installed during the subsurface soil and groundwater investigation are required to be decommissioned under Ontario Regulation 903 when they are no longer needed for groundwater observation.

Figures



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Note

1. This drawing shall be read in conjunction with the associated technical report.

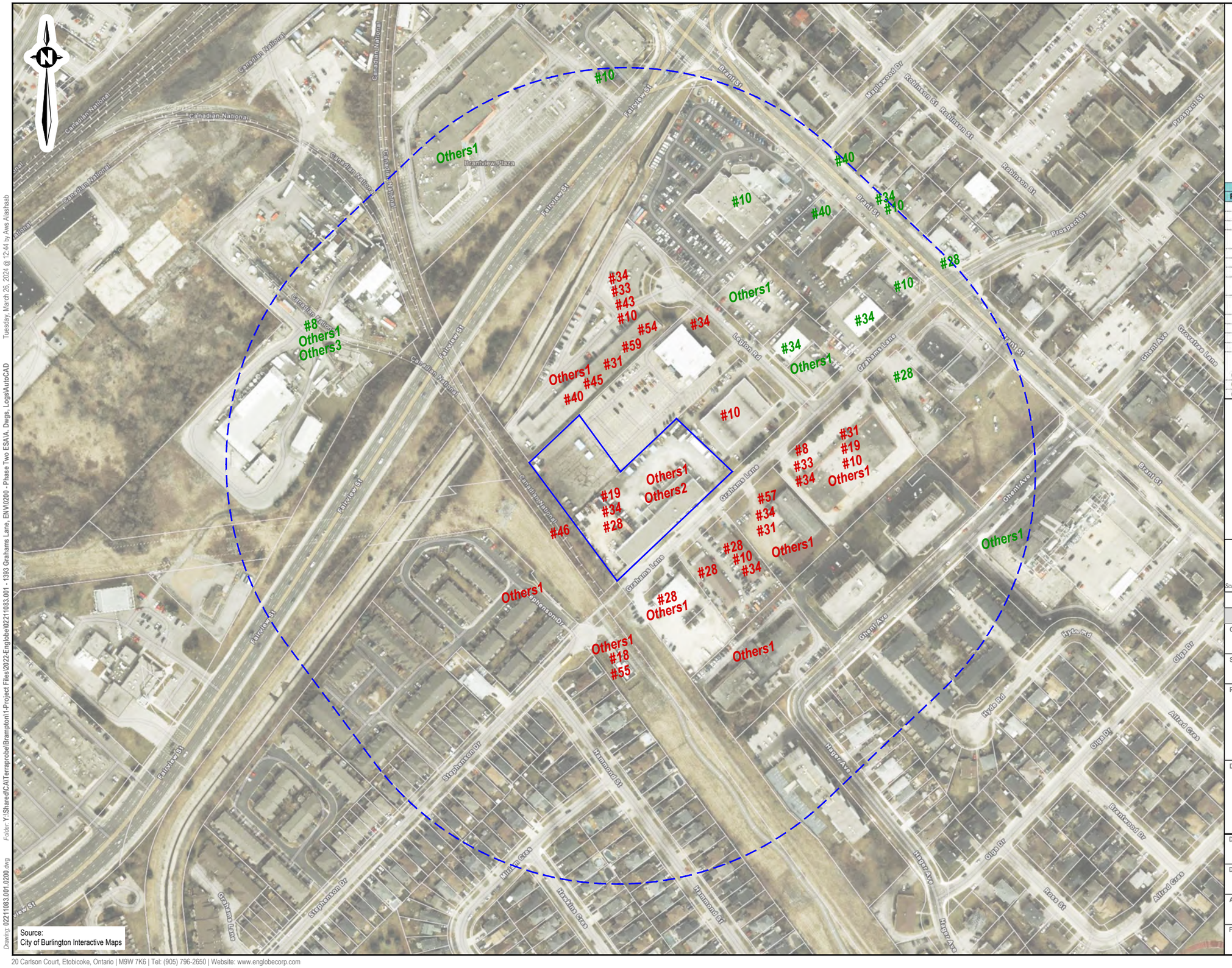
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A	26/3/2024	Final	X.X

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Site	1393 Grahams Lane, Burlington, Ontario
Report Title	Phase Two Environmental Site Assessment
Drawing Title	Phase Two Property Location
Designed By	S.A
Drawn By	AA
Approved By	M.S
Scale	As Shown
Date	March 2024
Project No.	02211083.001
Figure No.	1

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Drawing: 02211083.001.0200.dwg
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Legend

- Site Boundary
- Study Area (250m Radius)

Potentially Contaminating Activity (PCA)	
PCA No.	Description
8	Chemical Manufacturing, Processing and Bulk Storage
10	Commercial Autobody Shops
18	Electricity Generation, Transformation and Power Stations
19	Electronic and Computer Equipment Manufacturing
28	Gasoline and Associated Products Storage in Fixed Tanks
31	Ink Manufacturing, Processing and Bulk Storage
33	Metal Treatment, Coating, Plating and Finishing
34	Metal Fabrication
40	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
43	Plastics (including Fibreglass) Manufacturing and Processing
45	Pulp, Paper and Paperboard Manufacturing and Processing
46	Rail Yards, Tracks and Spurs
54	Textile Manufacturing and Processing
55	Transformer Manufacturing, Processing and Use
57	Vehicles and Associated Parts Manufacturing
59	Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products
Others1	Waste Generators
Others2	Ontario Spills
Others3	Use of Winter De-Icing Salts

Note

1. This drawing shall be read in conjunction with the associated technical report.
2. Drawing scale may be distorted. Measurements/locations taken from the drawing must be verified in the field.

1:300

0 5 10 15 m

0 1:1 5 cm

Scale accurate when printed at 100% using paper size ANSI Full Bleed B (11.0 x 17.0 Inches). Field verify all measurements.

Revision	Date	Issue	Approval
A	26/3/2024	Final	X.X

Client
ONTARIO INC.C/O Altus Group

Site
1393 Grahams Lane, Burlington, Ontario

Report Title
Phase Two Environmental Site Assessment

Drawing Title
PCA Locations

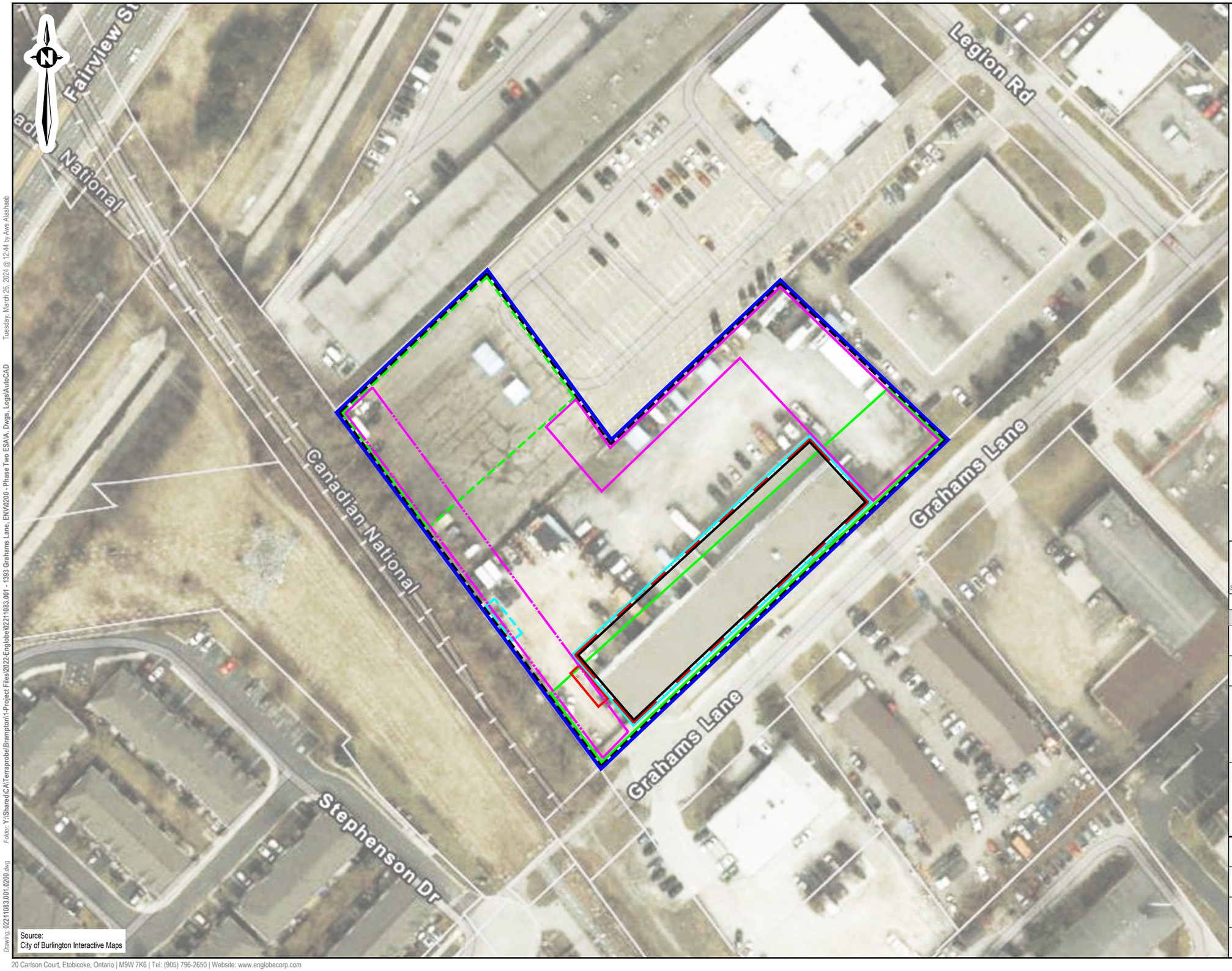
Designed By	Scale
S.A	As Shown
Drawn By	**Date**
A.A	March 2024
Approved By	**Project No.**
M.S	02211083.001

Figure No.
2

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2_AutoCAD PDF (Smallest File).pc3



Source:
City of Burlington Interactive Maps

Legend

- Site Boundary
- APEC 1
- APEC 2
- APEC 3
- APEC 4
- APEC 5
- APEC 6
- APEC 7
- APEC 8
- APEC 9
- APEC 10

Note

1. This drawing shall be read in conjunction with the associated technical report.
2. Drawing scale may be distorted. Measurements/locations taken from the drawing must be verified in the field.

1:1 000

0 10 20 30 40 50 m

0 1:1 5 cm

Scale accurate when printed at 100% using paper size ANSI Full Bleed B (11.0 x 17.0 Inches). Field verify all measurements

Revision	Date	Issue	Approval
A	26/3/2024	Final	X.X

Client
ONTARIO INC.C/O Altus Group

Site
1393 Grahams Lane, Burlington, Ontario

Report Title
Phase Two Environmental Site Assessment

Drawing Title
APEC Locations

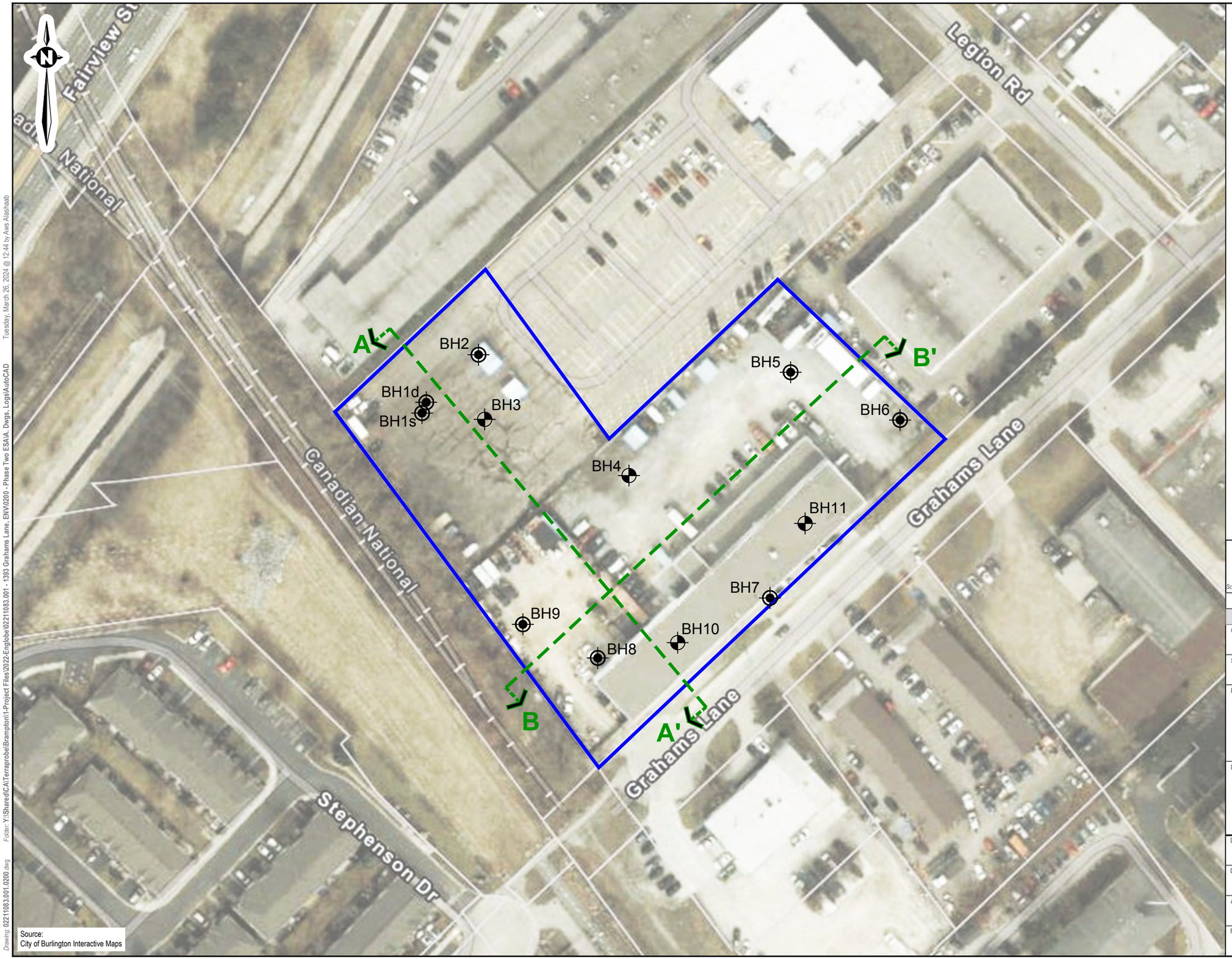
Designed By	Scale
S.A	As Shown
Drawn By	**Date**
A.A	March 2024
Approved By	**Project No.**
M.S	02211083.001

Figure No.
3

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Legend

- Site Boundary
- Borehole Location
- Monitoring Well Location
- Cross Section Locations

Note

1. This drawing shall be read in conjunction with the associated technical report.
2. Drawing scale may be distorted. Measurements/locations taken from the drawing must be verified in the field.

1:1 000

0 10 20 30 40 50 m

0 1:1 5 cm

Scale accurate when printed at 100% using paper size ANSI Full Bleed B (11.0 x 17.0 Inches). Field verify all measurements.

Revision	Date	Issue	Approval
A	26/3/2024	Final	X.X

Client: **ONTARIO INC.C/O Altus Group**

Site: **1393 Grahams Lane, Burlington, Ontario**

Report Title: **Phase Two Environmental Site Assessment**

Drawing Title: **Boreholes/Monitoring Wells and Cross Section Location Plan**

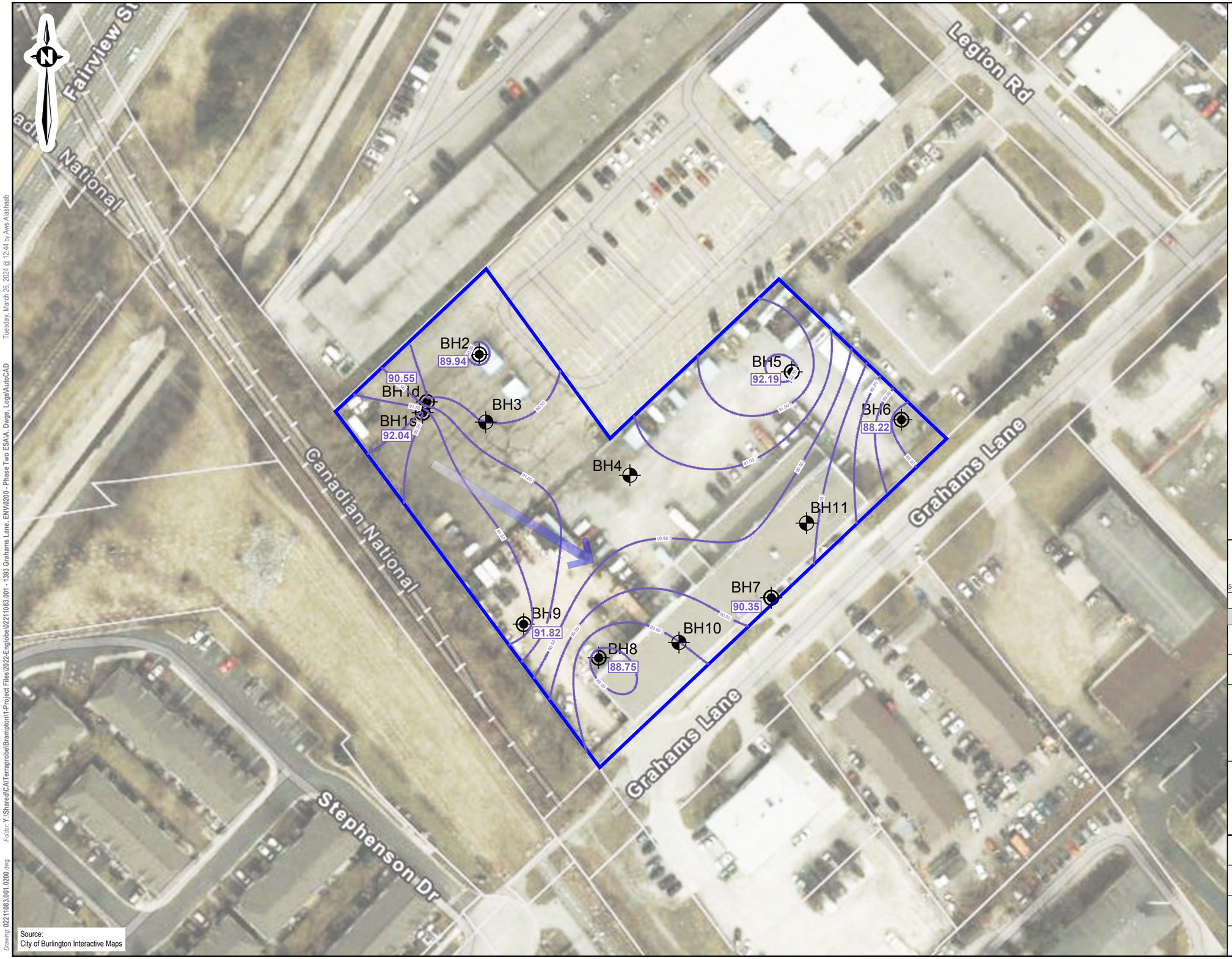
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S.A	As Shown
Drawn By	**Date**
A.A	March 2024
Approved By	**Project No.**
M.S	02211083.001

Figure No. **4**

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Legend

- Site Boundary
- Borehole Location
- Monitoring Well Location
- 90.55 Measured Groundwater Elevation (mASL)
- Inferred Groundwater Flow Direction
- Groundwater Contour
- 293.00 Inferred Groundwater Contour Elevation (mASL)

Note

1. This drawing shall be read in conjunction with the associated technical report.
2. Drawing scale may be distorted. Measurements/locations taken from the drawing must be verified in the field.

1:1 000

0 10 20 30 40 50 m

0 1:1 5 cm

Scale accurate when printed at 100% using paper size ANSI Full Bleed B (11.0 x 17.0 Inches). Field verify all measurements.

Revision	Date	Issue	Approval
A	26/3/2024	Final	X.X

Client
ONTARIO INC.C/O Altus Group

Site
1393 Grahams Lane, Burlington, Ontario

Report Title
Phase Two Environmental Site Assessment

Drawing Title
Ground Water Elevations and Contour Lines

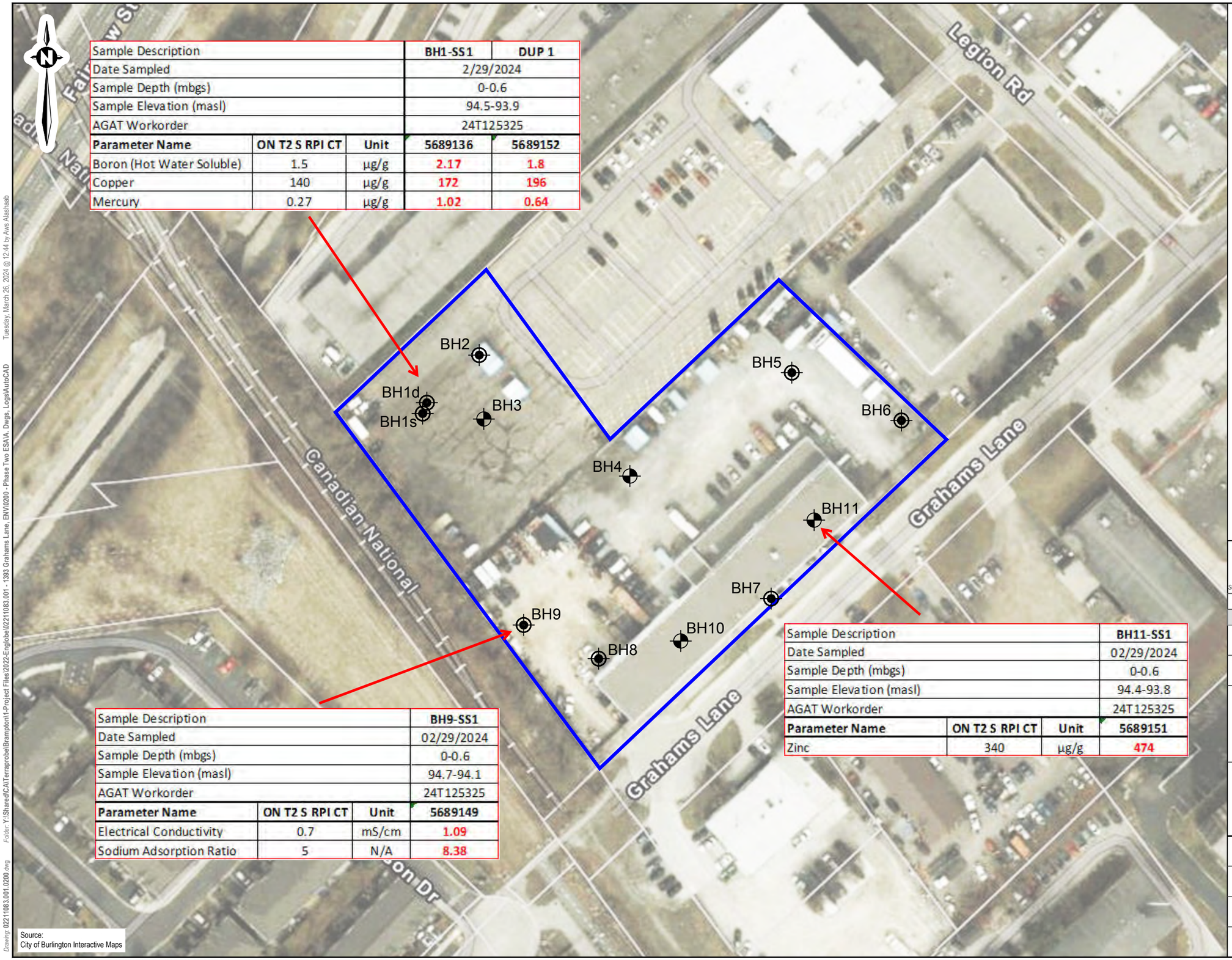
Designed By	Scale
S.A	As Shown
Drawn By	**Date**
A.A	March 2024
Approved By	**Project No.**
M.S	02211083.001

Figure No. **5**

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Sample Description			BH1-SS1	DUP 1
Date Sampled			2/29/2024	
Sample Depth (mbgs)			0-0.6	
Sample Elevation (masl)			94.5-93.9	
AGAT Workorder			24T125325	
Parameter Name	**ON T2 S RPI CT**	**Unit**	**5689136**	**5689152**
Boron (Hot Water Soluble)	1.5	µg/g	2.17	1.8
Copper	140	µg/g	172	196
Mercury	0.27	µg/g	1.02	0.64

Sample Description			BH9-SS1
Date Sampled			02/29/2024
Sample Depth (mbgs)			0-0.6
Sample Elevation (masl)			94.7-94.1
AGAT Workorder			24T125325
Parameter Name	**ON T2 S RPI CT**	**Unit**	**5689149**
Electrical Conductivity	0.7	mS/cm	1.09
Sodium Adsorption Ratio	5	N/A	8.38

Sample Description			BH11-SS1
Date Sampled			02/29/2024
Sample Depth (mbgs)			0-0.6
Sample Elevation (masl)			94.4-93.8
AGAT Workorder			24T125325
Parameter Name	**ON T2 S RPI CT**	**Unit**	**5689151**
Zinc	340	µg/g	474

Source:
City of Burlington Interactive Maps

ENGLOBE

Legend

- Site Boundary
- Borehole Location
- Monitoring Well Location

Note

1. This drawing shall be read in conjunction with the associated technical report.
2. Drawing scale may be distorted. Measurements/locations taken from the drawing must be verified in the field.

1:1 000

0 10 20 30 40 50 m

0 1:1 5 cm

Scale accurate when printed at 100% using paper size ANSI Full Bleed B (11.0 x 17.0 Inches). Field verify all measurements.

Revision	Date	Issue	Approval
A	26/3/2024	Final	X.X

Client
ONTARIO INC.C/O Altus Group

Site
1393 Grahams Lane, Burlington, Ontario

Report Title
Phase Two Environmental Site Assessment

Drawing Title
Soil Exceedances - Metal, Inorganics and ORPs Plan View

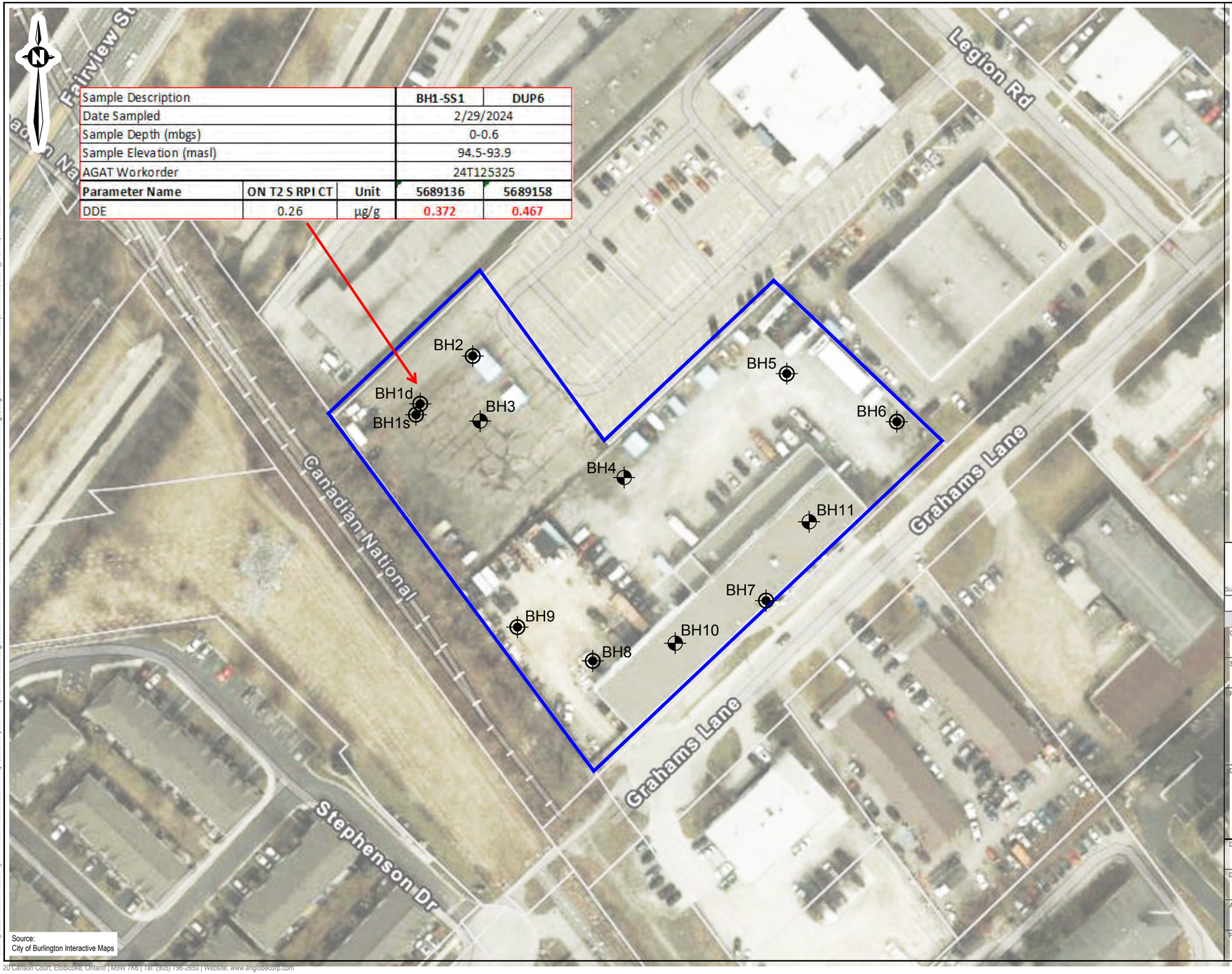
Designed By	Scale
S.A	As Shown
Drawn By	**Date**
A.A	March 2024
Approved By	**Project No.**
M.S	02211083.001

Figure No.
6A

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Sample Description			BH1-SS1	DUP6
Date Sampled			2/29/2024	
Sample Depth (mbgs)			0-0.6	
Sample Elevation (masl)			94.5-93.9	
AGAT Workorder			24T125325	
Parameter Name	**ON T2 S RPI CT**	**Unit**	**5689136**	**5689158**
DDE	0.26	µg/g	0.372	0.467



Source:
City of Burlington Interactive Maps

Legend

- Site Boundary
- Borehole Location
- Monitoring Well Location

Note

1. This drawing shall be read in conjunction with the associated technical report.
2. Drawing scale may be distorted. Measurements/locations taken from the drawing must be verified in the field.

1:1 000

0 10 20 30 40 50 m

0 1:1 5 cm

Scale accurate when printed at 100% using paper size ANSI Full Bleed B (11.0 x 17.0 Inches). Field verify all measurements.

Revision	Date	Issue	Approval
A	26/3/2024	Final	X.X

Client
ONTARIO INC.C/O Altus Group

Site
1393 Grahams Lane, Burlington, Ontario

Report Title
Phase Two Environmental Site Assessment

Drawing Title
Soil Exceedances - OCPs
Plan View

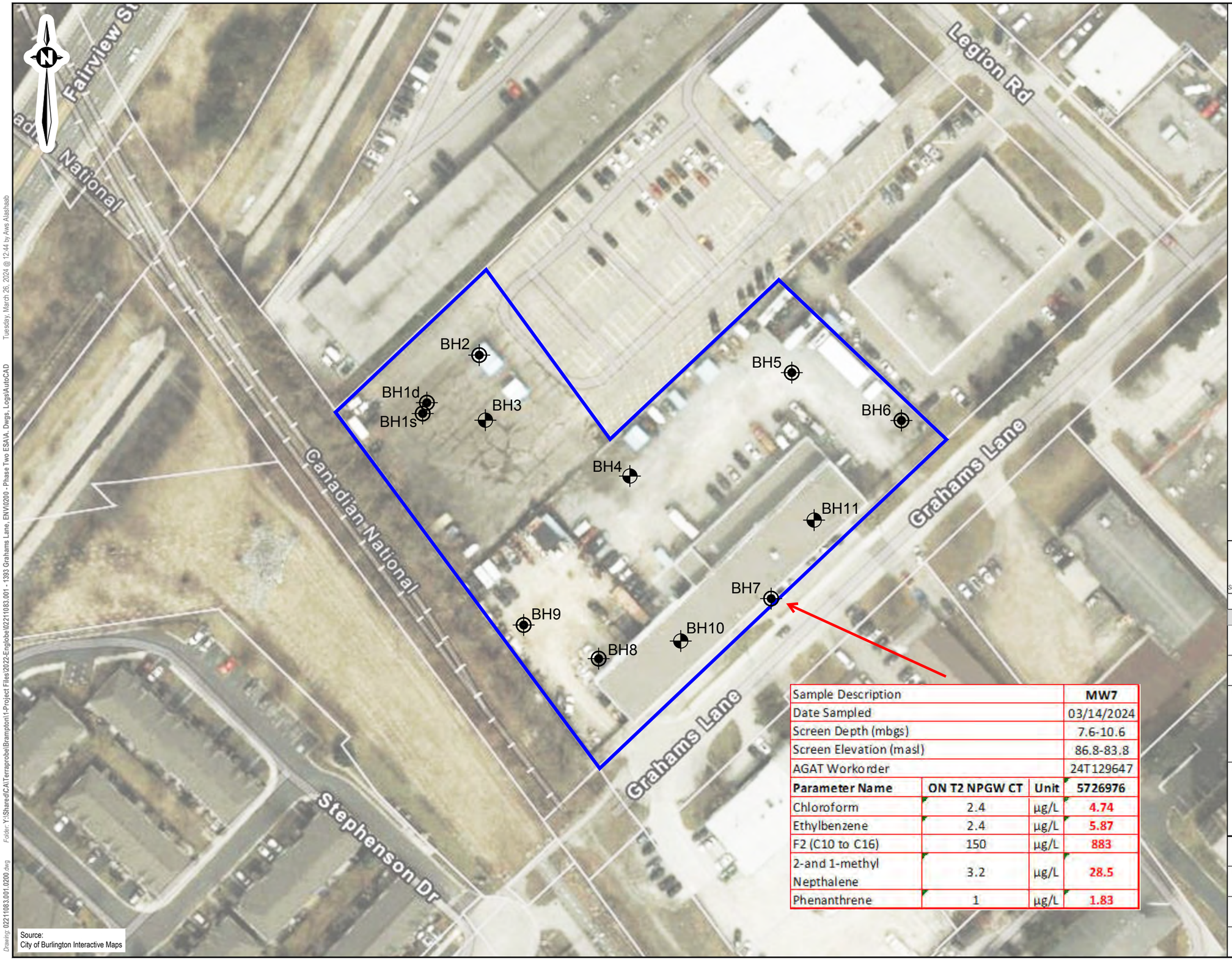
Designed By	Scale
S.A	As Shown
Drawn By	**Date**
A.A	March 2024
Approved By	**Project No.**
M.S	02211083.001

Figure No.
6B

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Sample Description			MW7
Date Sampled			03/14/2024
Screen Depth (mbgs)			7.6-10.6
Screen Elevation (masl)			86.8-83.8
AGAT Workorder			24T129647
Parameter Name	**ON T2 NPGW CT**	**Unit**	**5726976**
Chloroform	2.4	µg/L	4.74
Ethylbenzene	2.4	µg/L	5.87
F2 (C10 to C16)	150	µg/L	883
2-and 1-methyl Nepthalene	3.2	µg/L	28.5
Phenanthrene	1	µg/L	1.83

ENGLOBE

Legend

- Site Boundary
- Borehole Location
- Monitoring Well Location

Note

1. This drawing shall be read in conjunction with the associated technical report.
2. Drawing scale may be distorted. Measurements/locations taken from the drawing must be verified in the field.

1:1 000

0 10 20 30 40 50 m

0 1:1 5 cm

Scale accurate when printed at 100% using paper size ANSI Full Bleed B (11.0 x 17.0 Inches). Field verify all measurements.

A	26/3/2024	Final	X.X
Revision	Date	Issue	Approval

Client
ONTARIO INC.C/O Altus Group

Site
1393 Grahams Lane, Burlington, Ontario

Report Title
Phase Two Environmental Site Assessment

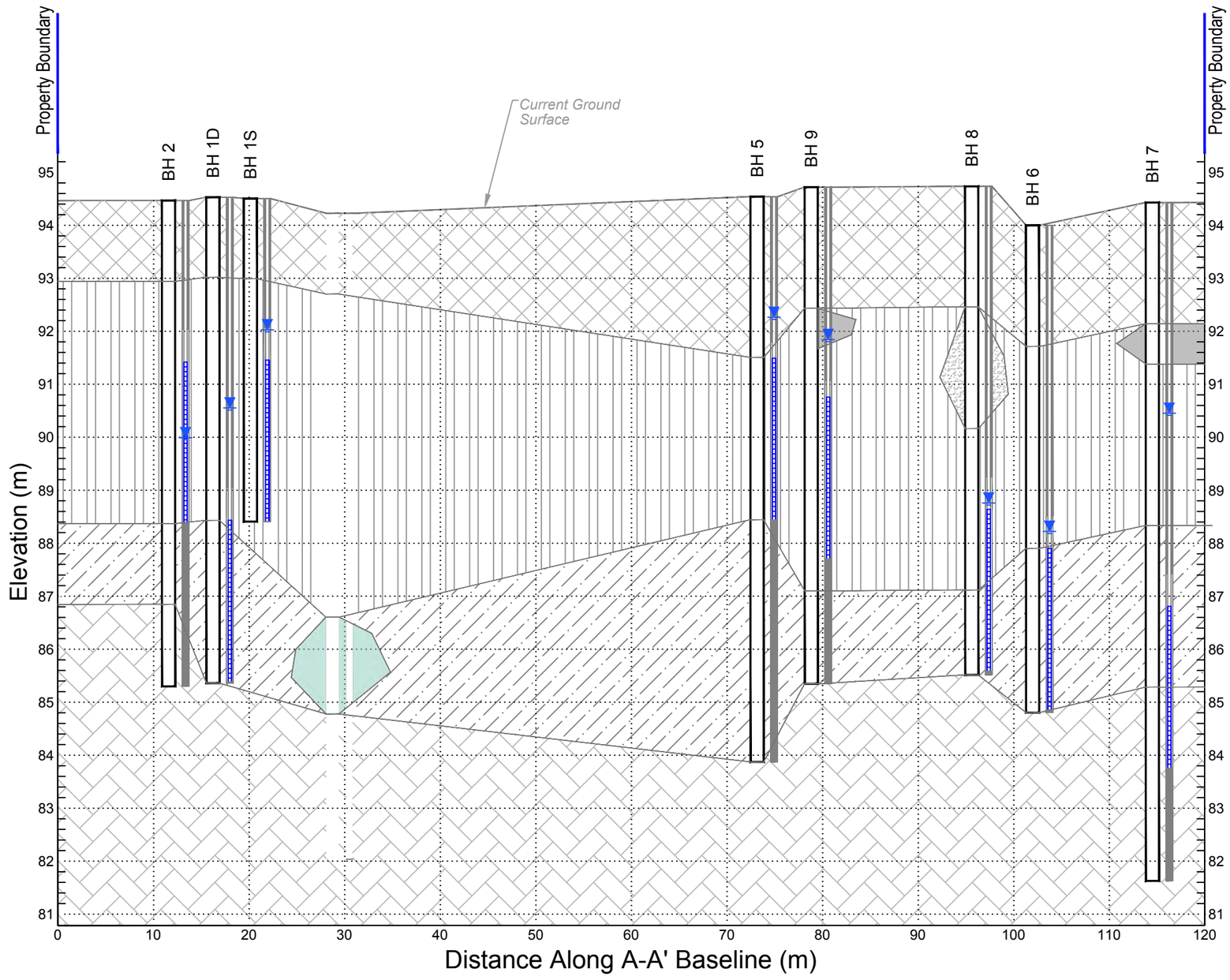
Drawing Title
Groundwater Exceedances - PHCs & VOCs
Plan View

Designed By	Scale
S.A	As Shown
Drawn By	**Date**
A.A	March 2024
Approved By	**Project No.**
M.S	02211083.001

Figure No.
7

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Legend

- Site Boundary
- Fill
- Clayey Silt
- Silty Sand
- Sand
- Silt
- Sandy Silt
- Bedrock - Queenstone Formation
- Borehole / Monitoring Well Meets Standards
- Borehole / Monitoring Well Exceeds Standards
- Approximate Extent of Impact

1:1 250

0 10 20 30 40 50 m

0 1:1 5 cm

Scale accurate when printed at 100% using paper size ANSI full bleed B (11.0 x 17.0 Inches)

Revision	Date	Issue	Approval
A	26/3/2024	Final	X.X

Client: **ONTARIO INC.C/O Altus Group**

Site: **1393 Grahams Lane, Burlington, Ontario**

Report Title: **Phase Two Environmental Site Assessment**

Drawing Title: **Cross Section A-A'**

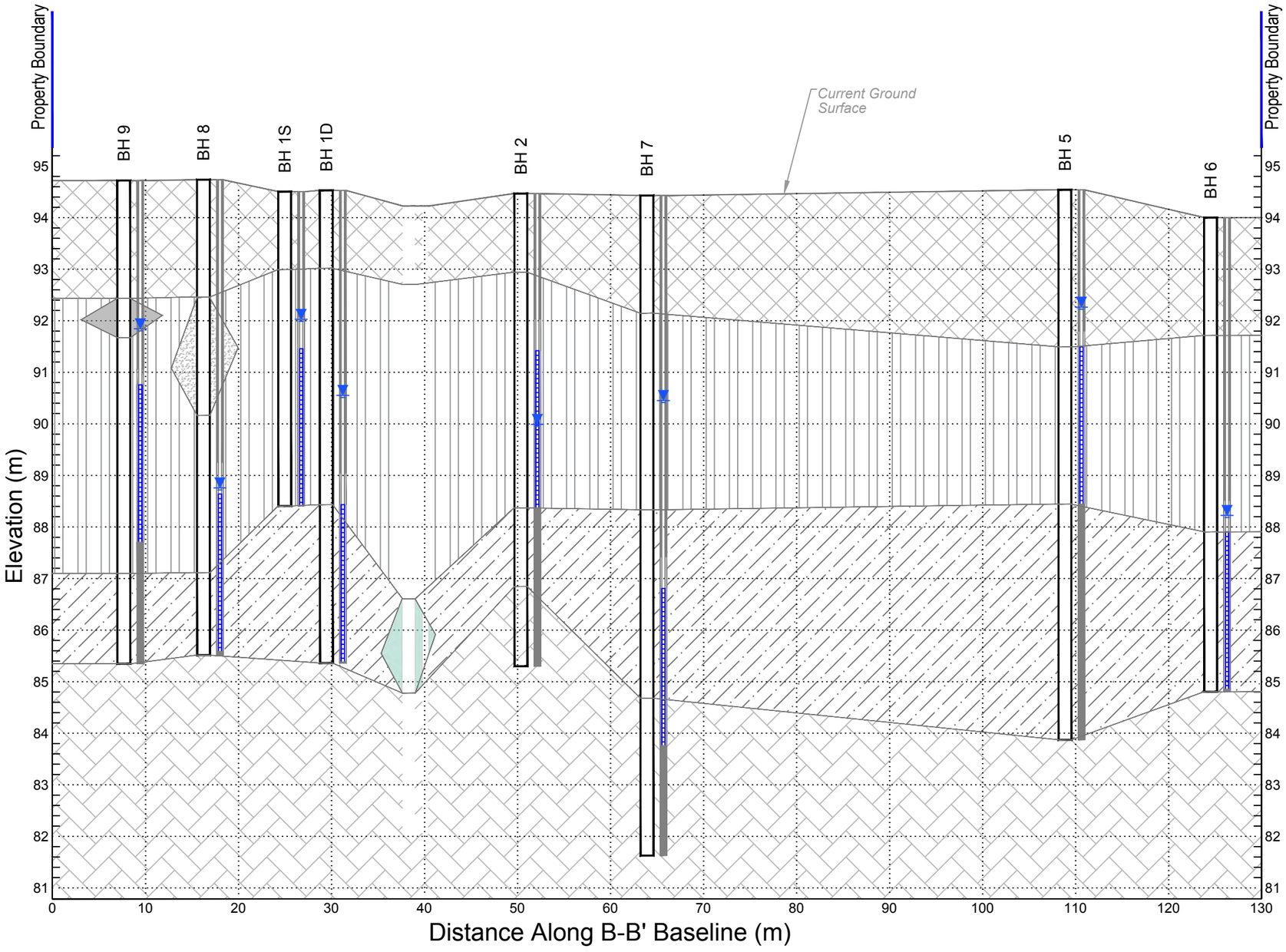
Designed By: S.A	Scale: As Shown
Drawn By: A.A	Date: March 2024
Approved By: M.S	Project No.: 02211083.001

Figure No.: **8**

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Legend

- Site Boundary
- Fill
- Clayey Silt
- Silty Sand
- Sand
- Silt
- Sandy Silt
- Bedrock - Queenstone Formation
- Borehole / Monitoring Well Meets Standards
- Borehole / Monitoring Well Exceeds Standards
- Approximate Extent of Impact

1:1 250

0 10 20 30 40 50 m

0 1:1 5 cm

Scale accurate when printed at 100% using paper size ANSI full bleed B (11.0 x 17.0 Inches)

Revision	Date	Issue	Approval
A	26/3/2024	Final	X.X

Client: **ONTARIO INC.C/O Altus Group**

Site: **1393 Grahams Lane, Burlington, Ontario**

Report Title: **Phase Two Environmental Site Assessment**

Drawing Title: **Cross Section B-B'**

Designed By: S.A	Scale: As Shown
Drawn By: A.A	Date: March 2024
Approved By: M.S	Project No.: 02211083.001

Figure No.: **9**

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Tables



ENGLOBE

TABLE 1
GEOLOGICAL UNITS
1393 Grahams Lane, Burlington, Ontario
PROJECT NUMBER : 02211083.001

Borehole	BH1D			BH1S			BH2			BH3			BH4		
	Elev. Top (masl)	Elev. Bottom (masl)	Thickness (m)	Elev. Top (masl)	Elev. Bottom (masl)	Thickness (m)	Elev. Top (masl)	Elev. Bottom (masl)	Thickness (m)	Elev. Top (masl)	Elev. Bottom (masl)	Thickness (m)	Elev. Top (masl)	Elev. Bottom (masl)	Thickness (m)
Fill	94.5	93.0	1.5	94.5	93.0	1.5	94.5	93.0	1.5	94.2	92.7	1.5	94.8	91.8	3.0
Clayey Silt	93.0	88.4	4.6	93.0	88.4	4.6	93.0	88.4	4.6	92.7	86.6	6.1	91.8	87.2	4.6
Silt	88.4	86.9	1.5	Not Encountered			88.4	86.9	1.5	Not Encountered			Not Encountered		
Sandy Silt	86.9	85.3	1.6				Not Encountered			86.6	84.8	1.8	87.2	85.6	1.6
Inferred Bedrock	Not Encountered						86.9	85.3	1.6	84.8	82.0	2.8	Not Encountered		

Borehole	BH5			BH6			BH7			BH8			BH9		
	Elev. Top (masl)	Elev. Bottom (masl)	Thickness (m)	Elev. Top (masl)	Elev. Bottom (masl)	Thickness (m)	Elev. Top (masl)	Elev. Bottom (masl)	Thickness (m)	Elev. Top (masl)	Elev. Bottom (masl)	Thickness (m)	Elev. Top (masl)	Elev. Bottom (masl)	Thickness (m)
Fill	94.5	91.5	3.0	94.0	91.7	2.3	94.4	92.1	2.3	94.7	92.4	2.3	94.7	91.7	3.0
Clayey Silt	91.5	88.4	3.1	91.7	87.9	3.8	92.1	88.3	3.8	Not Encountered			91.7	87.1	4.6
Sand	Not Encountered			Not Encountered			Not Encountered			92.4	90.1	2.3	Not Encountered		
Silt	88.4	86.9	1.5	Not Encountered			88.3	85.3	3.0	90.1	87.1	3.0	Not Encountered		
Sandy Silt	86.9	83.8	3.1	87.9	84.8	3.1	Not Encountered			87.1	85.5	1.6	87.1	85.3	1.8
Inferred Bedrock	Not Encountered			Not Encountered			85.3	81.6	3.7	Not Encontered			Not Encountered		

Borehole	BH10			BH11		
	Elev. Top (masl)	Elev. Bottom (masl)	Thickness (m)	Elev. Top (masl)	Elev. Bottom (masl)	Thickness (m)
Fill	94.4	91.4	3.0	94.4	91.4	3.0
Clayey Silt	Not Encountered			91.4	90.7	0.7
Sandy Silt	91.4	90.7	0.7	Not Encountered		

TABLE 2
MONITORING WELL CONSTRUCTION
1393 Grahams Lane, Burlington, Ontario
PROJECT NUMBER : 02211083.001

Well ID	BH1D		BH1S		BH2		BH5	
Stick Up (m)	0.00		0.00		0.00		0.00	
Ground Elev. (masl)	94.5		94.5		94.5		94.5	
Well Component	**Depth (m)**	**Elev. (masl)**	**Depth (m)**	**Elev. (masl)**	**Depth (m)**	**Elev. (masl)**	**Depth (m)**	**Elev. (masl)**
Bentonite - Top	0.0	94.5	0.0	94.5	0.0	94.5	0.0	94.5
Bentonite - Bottom	5.6	88.9	2.5	92.0	2.5	92.0	2.4	92.1
Sand - Top	5.6	88.9	2.5	92.0	2.5	92.0	2.4	92.1
Screen - Top	6.2	88.3	3.1	91.4	3.1	91.4	3.0	91.5
Screen - Bottom	9.2	85.3	6.1	88.4	6.1	88.4	6.0	88.5
Sand - Bottom	9.2	85.3	6.1	88.4	9.2	85.3	10.7	83.8

Well ID	BH6		BH7		BH8		BH9	
Stick Up (m)	0.00		0.00		0.00		0.00	
Ground Elev. (masl)	94.0		94.4		94.7		94.2	
Well Component	**Depth (m)**	**Elev. (masl)**	**Depth (m)**	**Elev. (masl)**	**Depth (m)**	**Elev. (masl)**	**94.7**	**Elev. (masl)**
Bentonite - Top	0.0	94.5	0.0	94.5	0.0	94.5	0.0	94.2
Bentonite - Bottom	5.6	88.9	7.0	87.5	5.5	89.0	3.4	90.8
Sand - Top	5.6	88.9	7.0	87.5	5.5	89.0	3.4	90.8
Screen - Top	6.2	88.3	7.6	86.9	6.1	88.4	4.0	90.2
Screen - Bottom	9.2	85.3	10.6	83.9	9.1	85.4	7.0	87.2
Sand - Bottom	9.2	85.3	12.8	81.7	9.2	85.3	9.4	84.8

TABLE 3
GROUNDWATER LEVELS
1393 Grahams Lane, Burlington, Ontario
PROJECT NUMBER : 02211083.001

Well ID	BH1D		BH1S		BH2		BH5	
Stick Up (m)	0.00		0.00		0.00		0.00	
Ground Elev. (masl)	94.5		94.5		94.5		94.5	
Depth (mbgs)	9.20		6.10		9.20		10.70	
Top of Screen (mbgs / masl)	6.2	88.3	3.1	91.4	3.1	91.4	3.0	91.5
Bottom of Screen (mbgs / masl)	9.2	85.3	6.1	88.4	6.1	88.4	6.0	88.5
Date	WL (m)	Elev. (masl)	WL (m)	Elev. (masl)	WL (m)	Elev. (masl)	WL (m)	Elev. (masl)
13-Mar-24	4.0	90.5	2.5	92.0	4.5	90.0	2.3	92.2

Well ID	BH6		BH7		BH8		BH9	
Stick Up (m)	0.00		0.00		0.00		0.00	
Ground Elev. (masl)	94.0		94.4		94.7		94.2	
Depth (mbgs)	9.20		12.80		9.20		9.40	
Top of Screen (mbgs / masl)	6.2	87.8	7.6	86.9	6.1	88.4	4.0	90.2
Bottom of Screen (mbgs / masl)	9.2	84.8	10.6	83.9	9.1	85.4	7.0	87.2
Date	WL (m)	Elev. (masl)	WL (m)	Elev. (masl)	WL (m)	Elev. (masl)	WL (m)	Elev. (masl)
13-Mar-24	5.8	88.2	4.0	90.4	6.0	88.7	2.9	91.3

TABLE 4
SOIL QUALITY - Metals, Inorganics & ORPs
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario
PROJECT NUMBER : 02211083.001

Sample Description			BH1-SS1	DUP 1	BH2-SS1	BH3-SS1	BH4-SS1	BH5-SS1	BH6-SS1	DUP 2	BH7-SS1	DUP 3	BH8-SS1	BH9-SS1	BH10-SS1	BH11-SS1
Date Sampled			02/29/2024		02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024		02/29/2024		02/29/2024	02/29/2024	02/29/2024	02/29/2024
Sample Depth (mbgs)			0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6
Sample Elevation (masl)			94.5-93.9		94.5-93.9	94.2-93.6	94.8-94.2	94.5-93.9	94.0-93.4		94.4-93.8		94.7-94.1	94.7-94.1	94.4-93.8	94.4-93.8
AGAT Workorder			24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325
Parameter	**G / S**	**Unit**	**5689136**	**5689152**	**5689139**	**5689140**	**5689142**	**5689144**	**5689145**	**5689153**	**5689146**	**5689154**	**5689148**	**5689149**	**5689150**	**5689151**
Antimony	7.5	µg/g	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Arsenic	18	µg/g	16	15	10	9	5	**23**	8	9	4	4	14	7	4	4
Barium	390	µg/g	73.9	72.3	153	150	42.6	43.1	36.8	39.9	14.9	16.1	31.9	30.5	22.9	65.4
Beryllium	4	µg/g	<0.5	0.7	1.6	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	120	µg/g	11	12	30	12	9	<5	5	7	5	5	<5	<5	<5	6
Boron (Hot Water Soluble)	1.5	µg/g	**2.17**	**1.80**	1.07	0.73	0.15	0.21	0.11	0.15	<0.10	<0.10	0.20	0.18	0.12	<0.10
Cadmium	1.2	µg/g	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7
Chromium	160	µg/g	14	16	17	23	55	14	11	13	9	8	12	13	13	9
Chromium, Hexavalent	8	µg/g	<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
Cobalt	22	µg/g	5.9	6.5	6.6	10.8	4.4	6.5	5.4	6.0	4.5	4.5	5.3	6.5	6.8	4.2
Copper	140	µg/g	**172**	**196**	48.1	43.4	22.6	40.5	18.3	22.6	18.2	17.8	24.0	29.1	18.5	18.1
Cyanide, WAD	0.051	µg/g	<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
Electrical Conductivity (2:1)	0.7	mS/cm	0.368	0.593	0.380	0.396	0.269	0.276	0.272	0.312	0.192	0.541	0.295	**1.09**	0.440	0.478
Lead	120	µg/g	51	49	36	15	35	62	19	26	6	6	37	21	8	83
Mercury	0.27	µg/g	**1.02**	**0.64**	0.26	0.10	0.16	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Molybdenum	6.9	µg/g	0.6	0.6	0.6	0.7	1.8	0.6	0.6	0.7	<0.5	<0.5	0.5	0.7	<0.5	1.7
Nickel	100	µg/g	13	14	14	23	16	13	10	12	10	10	11	13	13	10
pH, 2:1 CaCl2 Extraction	5.0-9.0	pH Units	6.44	7.34	6.54	6.54	6.97	6.65	6.61	7.07	6.58	6.86	6.54	6.48	6.58	8.31
Selenium	2.4	µg/g	<0.8	<0.8	1.1	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Silver	20	µg/g	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Sodium Adsorption Ratio (2:1) (Calc	5	N/A	0.203	0.230	0.292	1.60	1.20	1.28	1.00	0.786	1.26	1.38	0.777	**8.38**	2.04	0.786
Thallium	1	µg/g	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	23	µg/g	1.00	0.87	1.24	0.78	0.59	0.54	<0.50	0.51	<0.50	<0.50	<0.50	<0.50	<0.50	0.73
Vanadium	86	µg/g	24.2	25.4	26.3	33.6	62.3	24.4	21.2	22.0	18.3	13.5	23.1	24.4	23.7	16.4
Zinc	340	µg/g	93	93	117	63	311	104	122	243	25	24	45	64	35	**474**

TABLE 5
SOIL QUALITY - OC Pesticides
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario
PROJECT NUMBER : 02211083.001

Sample Description			BH1-SS1	DUP 6	BH2-SS1
Date Sampled			02/29/2024		02/29/2024
Sample Depth (mbgs)			0-0.6		0-0.6
Sample Elevation (masl)			94.5-93.9		94.5-93.9
AGAT Workorder			24T125325	24T125325	24T125325
Parameter	**G / S**	**Unit**	**5689136**	**5689158**	**5689139**
Hexachloroethane	0.089	µg/g	<0.005	<0.005	<0.005
Gamma-Hexachlorocyclohexane	0.056	µg/g	<0.005	<0.005	<0.005
Heptachlor	0.15	µg/g	<0.005	<0.005	<0.005
Aldrin	0.05	µg/g	<0.005	<0.005	<0.005
Heptachlor Epoxide	0.05	µg/g	<0.005	<0.005	<0.005
Endosulfan	0.04	µg/g	<0.005	<0.005	<0.005
Chlordane	0.05	µg/g	<0.007	<0.007	<0.007
DDE	0.26	µg/g	**0.372**	**0.467**	0.007
DDD	3.3	µg/g	0.224	0.271	<0.007
DDT (Total)	1.4	µg/g	<0.007	<0.007	<0.007
Dieldrin	0.05	µg/g	<0.005	<0.005	<0.005
Endrin	0.04	µg/g	<0.005	<0.005	<0.005
Methoxychlor	0.13	µg/g	<0.005	<0.005	<0.005
Hexachlorobenzene	0.52	µg/g	<0.005	<0.005	<0.005
Hexachlorobutadiene	0.012	µg/g	<0.01	<0.01	<0.01

TABLE 6
SOIL QUALITY - PAHs
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario
PROJECT NUMBER : 02211083.001

Sample Description			BH1-SS1	BH2-SS1	BH3-SS1	BH4-SS1	BH5-SS1	BH6-SS1	DUP 2	BH7-SS1	BH8-SS1	BH9-SS1	DUP 3	BH10-SS1	BH11-SS1	DUP 1
Date Sampled			02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024		02/29/2024	02/29/2024	02/29/2024		02/29/2024	02/29/2024	
Sample Depth (mbgs)			0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6		0-0.6	0-0.6	0-0.6		0-0.6	0-0.6	
Sample Elevation (masl)			94.5-93.9	94.5-93.9	94.2-93.6	94.8-94.2	94.5-93.9	94.0-93.4		94.4-93.8	94.7-94.1	94.7-94.1		94.4-93.8	94.4-93.8	
AGAT Workorder			24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325
Parameter	**G / S**	**Unit**	**5689136**	**5689139**	**5689140**	**5689142**	**5689144**	**5689145**	**5689153**	**5689146**	**5689148**	**5689149**	**5689154**	**5689150**	**5689151**	**5689152**
Naphthalene	0.6	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	0.15	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthene	7.9	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	62	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	6.2	µg/g	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	0.21	0.23
Anthracene	0.67	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.07
Fluoranthene	0.69	µg/g	<0.05	0.30	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	0.19	0.29
Pyrene	78	µg/g	<0.05	0.21	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	0.13	0.20
Benz(a)anthracene	0.5	µg/g	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.08
Chrysene	7	µg/g	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.08
Benzo(b)fluoranthene	0.78	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	0.78	µg/g	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	0.3	µg/g	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-cd)pyrene	0.38	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(a,h)anthracene	0.1	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(g,h,i)perylene	6.6	µg/g	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-and 1-methyl Naphthalene	0.99	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

TABLE 7
SOIL QUALITY - PHCs F1-F4 (With PAHs and VOC)
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario

Sample Description			BH1-SS1	DUP 1	BH2-SS1	DUP 5	BH3-SS1	BH4-SS1	BH5-SS1	BH6-SS1	DUP 2	BH7-SS1	BH8-SS1	BH9-SS1	DUP 3	BH10-SS1	BH11-SS1
Date Sampled			02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024
Sample Depth (mbgs)			0-0.6	0-0.6	0-0.6		0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6
Sample Elevation (masl)			94.5-93.9		94.5-93.9		94.2-93.6	94.8-94.2	94.5-93.9	94.0-93.4		94.4-93.8		94.7-94.1	94.7-94.1	94.4-93.8	94.4-93.8
AGAT Workorder			24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325
Parameter	**G / S**	**Unit**	**5689136**	**5689152**	**5689139**	**5689156**	**5689140**	**5689142**	**5689144**	**5689145**	**5689153**	**5689146**	**5689148**	**5689149**	**5689154**	**5689150**	**5689151**
F1 (C6 to C10)	55	µg/g	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F1 (C6 to C10) minus BTEX	55	µg/g	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
F2 (C10 to C16)	98	µg/g	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16 to C34)	300	µg/g	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34 to C50)	2800	µg/g	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50

TABLE 8
SOIL QUALITY - PCBs
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario

Sample Description			BH1-SS1	DUP 1	BH2-SS1	BH3-SS1	BH4-SS1	BH5-SS1	BH6-SS1	DUP 2	BH7-SS1	BH8-SS1	BH9-SS1	DUP 3	BH10-SS1	BH11-SS1
Date Sampled			02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024
Sample Depth (mbgs)			0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6
Sample Elevation (masl)			94.5-93.9		94.5-93.9	94.2-93.6	94.8-94.2	94.5-93.9	94.0-93.4		94.4-93.8		94.7-94.1	94.7-94.1	94.4-93.8	94.4-93.8
AGAT Workorder			24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325
Parameter	**G / S**	**Unit**	**5689136**	**5689152**	**5689139**	**5689140**	**5689142**	**5689144**	**5689145**	**5689153**	**5689146**	**5689148**	**5689149**	**5689154**	**5689150**	**5689151**
Polychlorinated Biphenyls	0.35	µg/g	<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

TABLE 9
SOIL QUALITY - pH
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario

Sample Description			BH1-SS5	BH3-SS5	BH4-SS5	BH7-SS5	DUP 4
Date Sampled			02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024
Sample Depth (mbgs)			3.1-3.6	3.1-3.6	3.1-3.6	3.1-3.6	
Sample Elevation (masl)			91.4-90.9	91.1-90.6	91.7-91.2	91.3-90.8	
AGAT Workorder			24T125325	24T125325	24T125325	24T125325	24T125325
Parameter	**G / S**	**Unit**	**5689138**	**5689141**	**5689143**	**5689147**	**5689155**
pH, 2:1 CaCl2 Extraction	5.0-9.0	pH Units	6.59	6.56	6.80	6.62	6.71

TABLE 10
SOIL QUALITY - VOCs
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario

Sample Description			BH1-SS1	DUP 1	BH2-SS1	DUP 5	BH3-SS1	BH4-SS1	BH5-SS1	BH6-SS1	DUP 2	BH7-SS1	BH8-SS1	BH9-SS1	DUP 3	BH10-SS1	BH11-SS1
Date Sampled			02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024	02/29/2024
Sample Depth (mbgs)			0-0.6	0-0.6	0-0.6		0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6	0-0.6
Sample Elevation (masl)			94.5-93.9		94.5-93.9		94.2-93.6	94.8-94.2	94.5-93.9	94.0-93.4		94.4-93.8		94.7-94.1	94.7-94.1	94.4-93.8	94.4-93.8
AGAT Workorder			24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325	24T125325
Parameter	**G / S**	**Unit**	**5689136**	**5689152**	**5689139**	**5689156**	**5689140**	**5689142**	**5689144**	**5689145**	**5689153**	**5689146**	**5689148**	**5689149**	**5689154**	**5689150**	**5689151**
Dichlorodifluoromethane	16	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	0.02	ug/g	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Bromomethane	0.05	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	4	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acetone	16	ug/g	<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
1,1-Dichloroethylene	0.05	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	0.1	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trans- 1,2-Dichloroethylene	0.084	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl tert-butyl Ether	0.75	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	0.47	ug/g	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methyl Ethyl Ketone	16	ug/g	<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
Cis- 1,2-Dichloroethylene	1.9	ug/g	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chloroform	0.05	ug/g	<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
1,2-Dichloroethane	0.05	ug/g	<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
1,1,1-Trichloroethane	0.38	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	0.05	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	0.21	ug/g	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dichloropropane	0.05	ug/g	<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
Trichloroethylene	0.061	ug/g	<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
Bromodichloromethane	1.5	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Isobutyl Ketone	1.7	ug/g	<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
1,1,2-Trichloroethane	0.05	ug/g	<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
Toluene	2.3	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	2.3	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylene Dibromide	0.05	ug/g	<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
Tetrachloroethylene	0.28	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	0.058	ug/g	<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
Chlorobenzene	2.4	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	1.1	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	0.27	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	0.7	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	0.05	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	4.8	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	0.083	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	1.2	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	3.1	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene (Cis + Trans)	0.05	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
n-Hexane	2.8	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

TABLE 11
GW QUALITY - OC Pesticides
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario
PROJECT NUMBER : 02211083.001

Sample Description			MW1	Dup1	MW2
Date Sampled			03/14/2024		03/14/2024
Screen Depth (mbgs)			3.1-6.1		3.1-6.1
Screen Elevation (masl)			91.4-88.4		91.4-88.4
AGAT Worksheet			24T129647	24T129647	24T129647
Parameter	**G / S**	**Unit**	**5726970**	**5726984**	**5726973**
Gamma-Hexachlorocyclohexane	1.2	µg/L	<0.01	<0.01	<0.01
Heptachlor	1.5	µg/L	<0.01	<0.01	<0.01
Aldrin	0.35	µg/L	<0.01	<0.01	<0.01
Heptachlor Epoxide	0.048	µg/L	<0.01	<0.01	<0.01
Endosulfan	1.5	µg/L	<0.05	<0.05	<0.05
Chlordane	7	µg/L	<0.04	<0.04	<0.04
DDE	10	µg/L	<0.01	<0.01	<0.01
DDD	10	µg/L	<0.05	<0.05	<0.05
DDT	2.8	µg/L	<0.04	<0.04	<0.04
Dieldrin	0.35	µg/L	<0.02	<0.02	<0.02
Endrin	0.48	µg/L	<0.05	<0.05	<0.05
Methoxychlor	6.5	µg/L	<0.04	<0.04	<0.04
Hexachlorobenzene	1	ug/L	<0.01	<0.01	<0.01
Hexachlorobutadiene	0.44	ug/L	<0.01	<0.01	<0.01
Hexachloroethane	2.1	ug/L	<0.01	<0.01	<0.01

TABLE 12
GW QUALITY - PAHs
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario
PROJECT NUMBER : 02211083.001

Sample Description			MW1	Dup1	MW2	MW5	MW6	MW7	MW8	MW9
Date Sampled			03/14/2024		03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024
Screen Depth (mbgs)			3.1-6.1		3.1-6.1	3.1-6.1	6.2-9.2	7.6-10.6	6.1-9.7	3.9-6.9
Screen Elevation (masl)			91.4-88.4		91.4-88.4	91.4-88.4	87.8-84.8	86.8-83.8	88.6-85	90.8-87.8
AGAT Worksheet			24T129647	24T129647	24T129647	24T129647	24T129647	24T129647	24T129647	24T129647
Parameter	**G / S**	**Unit**	**5726970**	**5726984**	**5726973**	**5726974**	**5726975**	**5726976**	**5726977**	**5726978**
Naphthalene	11	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	4.48	<0.20	<0.20
Acenaphthylene	1	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.23	<0.20	<0.20
Acenaphthene	4.1	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	1.59	<0.20	<0.20
Fluorene	120	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	2.21	<0.20	<0.20
Phenanthrene	1	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	**1.83**	<0.10	<0.10
Anthracene	2.4	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.13	<0.10	<0.10
Fluoranthene	0.41	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Pyrene	4.1	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzo(a)anthracene	1	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chrysene	0.1	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	0.1	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	0.1	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	0.01	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	0.2	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibenz(a,h)anthracene	0.2	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzo(g,h,i)perylene	0.2	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2-and 1-methyl Napthalene	3.2	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	**28.5**	<0.20	<0.20

TABLE 13
GW QUALITY - PCBs
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario
PROJECT NUMBER : 02211083.001

Sample Description			MW1	Dup1	MW2	MW5	MW6	MW7	MW8	MW9
Date Sampled			03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024
Screen Depth (mbgs)			3.1-6.1		3.1-6.1	3.1-6.1	6.2-9.2	7.6-10.6	6.1-9.7	3.9-6.9
Screen Elevation (masl)			91.4-88.4		91.4-88.4	91.4-88.4	87.8-84.8	86.8-83.8	88.6-85	90.8-87.8
AGAT Worksheet			24T129647	24T129647	24T129647	24T129647	24T129647	24T129647	24T129647	24T129647
Parameter	**G / S**	**Unit**	**5726970**	**5726984**	**5726973**	**5726974**	**5726975**	**5726976**	**5726977**	**5726978**
Polychlorinated Biphenyls	3	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

TABLE 14
GW QUALITY - PHCs F1-F4 (with PAHs and VOC)
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario
PROJECT NUMBER : 02211083.001

Sample Description			MW1	Dup1	MW2	MW5	MW6	MW7	MW8	MW9
Date Sampled			03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024
Screen Depth (mbgs)			3.1-6.1		3.1-6.1	3.1-6.1	6.2-9.2	7.6-10.6	6.1-9.7	3.9-6.9
Screen Elevation (masl)			91.4-88.4		91.4-88.4	91.4-88.4	87.8-84.8	86.8-83.8	88.6-85	90.8-87.8
AGAT Worksheet			24T129647	24T129647	24T129647	24T129647	24T129647	24T129647	24T129647	24T129647
Parameter	**G / S**	**Unit**	**5726970**	**5726984**	**5726973**	**5726974**	**5726975**	**5726976**	**5726977**	**5726978**
F1 (C6 to C10)	750	µg/L	<25	<25	<25	<25	<25	78	<25	<25
F1 (C6 to C10) minus BTEX	750	µg/L	<25	<25	<25	<25	<25	32	<25	<25
F2 (C10 to C16)	150	µg/L	<100	<100	<100	<100	<100	**883**	<100	<100
F3 (C16 to C34)	500	µg/L	<100	<100	<100	<100	<100	267	<100	<100
F4 (C34 to C50)	500	µg/L	<100	<100	<100	<100	<100	<100	<100	<100

TABLE 15
GW QUALITY - VOCs (with PHC)
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario
PROJECT NUMBER : 02211083.001

Sample Description			MW1	Dup1	MW2	MW5	MW6	MW7	MW8	MW9	VOC Trip Blank
Date Sampled			03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	
Screen Depth (mbgs)			3.1-6.1		3.1-6.1	3.1-6.1	6.2-9.2	7.6-10.6	6.1-9.7	3.9-6.9	
Screen Elevation (masl)			91.4-88.4		91.4-88.4	91.4-88.4	87.8-84.8	86.8-83.8	88.6-85	90.8-87.8	
AGAT Worksheet			24T129647	24T129647	24T129647	24T129647	24T129647	24T129647	24T129647	24T129647	
Parameter	**G / S**	**Unit**	**5726970**	**5726984**	**5726973**	**5726974**	**5726975**	**5726976**	**5726977**	**5726978**	**5726990**
Dichlorodifluoromethane	590	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	0.5	µg/L	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bromomethane	0.89	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	150	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	2700	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	1.6	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	50	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	1.6	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	15	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	5	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	1800	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	1.6	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	2.4	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	**4.74**	<0.20	<0.20	<0.20
1,2-Dichloroethane	1.6	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	200	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	0.79	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	5.0	µg/L	<0.20	<0.20	<0.20	<0.20	0.41	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	5	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	1.6	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	16	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	3.12	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	640	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	4.7	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	24	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	4.23	<0.20	<0.20	<0.20
Dibromochloromethane	25	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	0.2	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	1.6	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	1.1	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	30	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	2.4	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	**5.87**	<0.10	<0.10	<0.10
Bromoform	25	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	5.4	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	1	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	59	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	1	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	3	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichloropropene	0.5	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (Total)	300	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	35.5	<0.20	<0.20	<0.20
n-Hexane	51	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

TABLE 16
GW QUALITY - Metals (including Hydrides)
O. Reg. 153(511): Table 2 RPI Course Textured Soil
1393 Grahams Lane, Burlington, Ontario
PROJECT NUMBER : 02211083.001

Sample Description			MW1	Dup1	MW2	MW5	MW6	MW7	MW8	MW9
Date Sampled			03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024
Screen Depth (mbgs)			3.1-6.1		3.1-6.1	3.1-6.1	6.2-9.2	7.6-10.6	6.1-9.7	3.9-6.9
Screen Elevation (masl)			91.4-88.4		91.4-88.4	91.4-88.4	87.8-84.8	86.8-83.8	88.6-85	90.8-87.8
AGAT Worksheet			24T129647	24T129647	24T129647	24T129647	24T129647	24T129647	24T129647	24T129647
Parameter	**G / S**	**Unit**	**5726970**	**5726984**	**5726973**	**5726974**	**5726975**	**5726976**	**5726977**	**5726978**
Dissolved Antimony	6	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Arsenic	25	µg/L	4.9	1.4	1.3	<1.0	1.2	<1.0	<1.0	<1.0
Dissolved Barium	1000	µg/L	35.4	52.7	51.8	78.4	48.2	29.0	80.1	204
Dissolved Beryllium	4	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron	5000	µg/L	889	623	605	460	2470	134	1210	761
Dissolved Cadmium	2.7	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Chromium	50	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Cobalt	3.8	µg/L	<0.50	1.03	0.79	<0.50	<0.50	<0.50	1.73	1.44
Dissolved Copper	87	µg/L	1.8	1.1	1.7	1.8	1.2	2.4	2.4	2.7
Dissolved Lead	10	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Molybdenum	70	µg/L	5.46	15.1	15.1	1.15	16.5	10.9	4.20	0.79
Dissolved Nickel	100	µg/L	2.7	2.6	2.4	1.9	<1.0	2.7	4.8	6.0
Dissolved Selenium	10	µg/L	2.8	<1.0	1.5	1.4	9.7	<1.0	3.0	6.2
Dissolved Silver	1.5	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Thallium	2	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dissolved Uranium	20	µg/L	0.63	5.14	5.23	1.78	<0.50	<0.50	1.02	2.83
Dissolved Vanadium	6.2	µg/L	<0.40	1.25	0.76	<0.40	<0.40	<0.40	<0.40	<0.40
Dissolved Zinc	1100	µg/L	<5.0	<5.0	<5.0	<5.0	<5.0	6.2	<5.0	6.1

Appendix A
Site Survey



ENGLOBE

PLAN OF SURVEY SHOWING TOPOGRAPHY OF PART OF

LOT 69
REGISTERED PLAN 99
IN THE
CITY OF BURLINGTON
REGIONAL MUNICIPALITY OF HALTON

SCALE 1 : 300

0 5 10 20 metres

THE INTENDED PLOT SIZE OF THIS PLAN IS 850mm IN WIDTH BY 580mm IN HEIGHT WHEN PLOTTED AT A SCALE OF 1:300 (INCLUDING 15mm BEYOND EACH BORDER)

MacKAY, MacKAY & PETERS LIMITED - ONTARIO LAND SURVEYORS

© 2023

METRIC *DISTANCES SHOWN HEREON ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048*

COLOUR *THE ORIGINAL SIGNED PRINT OF THIS PLAN OF SURVEY CONTAINS COLOUR*

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
V-67164

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR IN ACCORDANCE WITH REGULATION 1026, SECTION 29(3)

LEGEND

- ■ DENOTES A SURVEY MONUMENT FOUND
- □ DENOTES A SURVEY MONUMENT PLANTED
- SIB DENOTES STANDARD IRON BAR
- SSIB DENOTES SHORT STANDARD IRON BAR
- IB DENOTES IRON BAR
- P1 DENOTES PLAN 20R-19918
- P2 DENOTES PLAN 20R-20020
- P3 DENOTES PLAN 20R-21599
- P4 DENOTES PLAN BY MMP LIMITED DATED OCTOBER 13, 2009 (09-174)
- P5 DENOTES PLAN BY SEWELL & SEWELL DATED DECEMBER 14, 1979 (79-767)
- PIN DENOTES PROPERTY IDENTIFICATION NUMBER
- WIT DENOTES WITNESS MONUMENT
- (OU) DENOTES ORIGIN UNKNOWN
- DS DENOTES DOOR SILL
- CLF DENOTES CHAIN LINK FENCE
- EA DENOTES EDGE OF ASPHALT
- OL DENOTES ORNAMENTAL LIGHT
- WHP DENOTES WOOD HYDRO POLE
- UGW DENOTES UTILITY GUYWIRE
- OHW DENOTES OVERHEAD WIRE
- BOL DENOTES BOLLARD
- WV DENOTES WATER VALVE
- FH DENOTES FIRE HYDRAND
- SAN-MH DENOTES SANITARY MANHOLE
- STM-MH DENOTES STORM MANHOLE
- CB DENOTES CATCH BASIN
- BCC DENOTES BACK OF CONCRETE CURB
- SRW DENOTES STONE RETAINING WALL
- SC DENOTES SECURITY CAMERA POLE
- RS DENOTES ROAD SIGN
- INV DENOTES INVERT
- N/A DENOTES NOT AVAILABLE
- GM DENOTES GAS MAIN LOCATE
- GS DENOTES GAS SERVICE LOCATE
- BSW DENOTES BELL SERVICE WIRE LOCATE
- H DENOTES HYDRO LOCATE
- WM DENOTES WATER MAIN LOCATE
- WS DENOTES WATER SERVICE LOCATE
- SAN DENOTES SANITARY SEWER LOCATE
- STM DENOTES STORM SEWER LOCATE
- AC DENOTES AIR CONDITIONER
- ⊙ DENOTES DECIDUOUS TREE SCALED TO CANOPY TRUNK SIZE SHOWN IN METRES

ALL BUILDING TIES ARE TO FOUNDATION AND ARE PERPENDICULAR TO PROPERTY LINES UNLESS OTHERWISE NOTED

A ROTATION OF 00°00'50" HAS BEEN APPLIED TO BEARINGS ON P2
A ROTATION OF 00°01'10" HAS BEEN APPLIED TO BEARINGS ON P3
A ROTATION OF 00°48'00" HAS BEEN APPLIED TO BEARINGS ON P4 & P5

BENCHMARK NOTE

CITY OF BURLINGTON BENCHMARK No. 368
ELEVATION = 89.578 METRES (CGVD28:78 ADJUSTMENT)

BRASS PLAQUE ON THE NORTHEAST WING WALL OF THE CONRETE HEAD WALL OF A CULVERT ON THE NORTH SIDE OF BLAIRHOLM AVENUE, 50 METRES WEST OF COURTLAND AVENUE AND 150 METRES EAST OF BRANT STREET

BEARING REFERENCE

BEARINGS ARE GRID AND ARE REFERRED TO THE NORTHWESTERLY LIMIT OF GRAHAM'S LANE AS SHOWN ON PLAN 20R-19918 HAVING A BEARING OF N45°55'00"E

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 THE 21st DAY OF DECEMBER, 2023.

DECEMBER 21, 2023
DATE

ROY C. MAYO
ONTARIO LAND SURVEYOR
FOR MACKAY, MACKAY & PETERS LIMITED

E:\(20) Halton\Registered Plans\RP0099\LOT 69\23-182\23-182-PS.dwg

MMP
MacKay, MacKay & Peters Limited
LAND SURVEYORS & MAPPERS
SINCE 1906

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mmplimited.com

DRAWN BY:	G.S.
PARTY CHIEF:	N.C.
CHECKED BY:	
PROJECT No.:	23-182-PS

Appendix B
Sampling and Analysis Plan



ENGLOBE

Soil Sampling Plan & Summary

Borehole	Sample	Analytical Groups									Duplicates								
		M&I	EC / SAR	PAHs	PCBs	OCPs	pH	PHCs	VOCs	BTEX	M&I	EC /SAR	PAHs	PCBs	pH	OCPs	PHCs	VOCs	BTEX
1	SS1	X	✓	✓	✓	X	---	✓	✓	✓	X	✓	---	✓	---	X	✓	✓	✓
	SS5	---	---	---	---	---	✓	---	---	---	---	---	---	---	---	---	✓	✓	✓
2	SS1	✓	✓	✓	✓	✓	---	✓	✓	✓	---	---	---	---	---	---	---	---	---
3	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	---	---	---	---	---	---	---	---	---
	SS5	---	---	---	---	---	✓	---	---	---	---	---	---	---	---	---	---	---	---
4	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	---	---	---	---	---	---	---	---	---
	SS5	---	---	---	---	---	✓	---	---	---	---	---	---	---	---	---	---	---	---
5	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	---	---	---	---	---	---	---	---	---
6	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	✓	✓	✓	✓	---	---	✓	✓	✓
7	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	✓	✓	---	---	---	---	---	---	---
	SS5	---	---	---	---	---	✓	---	---	---	---	---	---	---	✓	---	---	---	---
8	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	---	---	---	---	---	---	---	---	---
9	SS1	X	✓	✓	✓	---	---	✓	✓	✓	---	---	✓	✓	---	---	✓	✓	✓
10	SS1	✓	✓	✓	✓	---	---	✓	✓	✓	---	---		---	---	---	---	---	---
11	SS1	X	✓	✓	✓	---	---	✓	✓	✓	---	---	✓	---	---	---	---	---	---

Groundwater Sampling Plan & Summary

Monitoring Well	Analytical Groups						Duplicates					
	M&I	PAHs	PCBs	PHCs	VOCs (BTEX)	OCP	M&I	PAHs	PCBs	PHCs	VOCs (BTEX)	OCP
1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	✓	✓	✓	✓	✓	✓	---	---	---	---	---	---
5	✓	✓	✓	✓	✓	---	---	---	---	---	---	---
6	✓	✓	✓	✓	✓	---	---	---	---	---	---	---
7	✓	X	✓	X	X	---	---	---	---	---	---	---
8	✓	✓	✓	✓	✓	---	---	---	---	---	---	---
9	✓	✓	✓	✓	✓	---	---	---	---	---	---	---

Appendix C
Standard Operating Procedures



ENGLOBE

SUMMARY OF FIELD INVESTIGATION PROTOCOL

1. Drilling and Soil Sampling Procedures

Drilling and sampling of overburden materials are generally conducted using a mobile power auger. During augering operations, soil samples are recovered using a standard 50 mm diameter split-spoon sampling device. The sampler is generally advanced by a drop hammer to obtain standard penetration values (N values) for assessment of soil consistency.

In some instances, soil samples are obtained by directly pushing a sampling device into the soil using specialized drilling equipment.

Soil samples obtained from the split-spoon are examined in the field by qualified engineering staff. The soil is classified according to: grain size distribution, texture, colour, odour, moisture content, and other pertinent details. Field borehole logs are prepared and notes are made regarding visual or olfactory evidence of potential contamination of soil materials.

Following logging, all samples are placed into laboratory-cleaned 500 mL glass jars, with foil-lined lids. The samples are transported to Englobe's laboratory for detailed inspection by the site engineer. Where samplesare collected for analysis of volatile organic compounds, they are placed into laboratory-cleaned, 50 mL glass septum jars with Teflon-lined caps. Following review by the project engineer, samples are forwarded to a CAEAL-certified laboratory for analysis.

During the drilling procedure, no lubricants are used on any of the drilling and sampling equipment in order to ensure there is no contamination with hydrocarbon-based or other lubricating materials.

If significant contamination of the soil or ground water is expected, then drill cuttings are placed into 205 L steel drums stored on thesite. The drill cuttings and water are later characterized for proper off-site disposal, where necessary.

The sample collection and preservation techniques follow the general requirements of *Table 5.2(d), Required Container Preservation Techniques and Maximum Handling Times for Water Samples*, and from *MOE Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario* (May 1996).

Chain of custody forms are filled out for all samples which are shipped to commercial laboratories. The chain of custody forms are provided by the laboratory and include the following information:

1. Englobe's project number
2. Sample number and locations
3. Name of party shipping the samples to the laboratory
4. Required scope of analysis
5. Date of submission
6. Date of receipt by the laboratory
7. Any special notes or items of clarification appropriate to the project

2. Test Pit Excavation and Sampling

Test pits are generally excavated using a hydraulic backhoe of appropriate size and capacity depending on test pit depth and soil consistency. The test pit operations are carried out under the full-time supervision of Englobe engineering staff. During excavation, the test pits are logged based on the exposed soil and ground water profile. Soil samples are generally recovered from each soil strata noted during the investigation. Depending on the depth of the test pit, samples are obtained either by a spade or shovel from the side wall, or directly from the backhoe bucket.

In all cases, operations are carried out in strict accordance with the requirements of the Occupational Health and Safety Act. Personnel are not permitted to enter unsupported test pits with depths in excess of 1.2 m below prevailing grade.

3. Equipment Clean-up

All drilling equipment is cleaned by the contractor prior to beginning each project. This includes augers, drill rods, sampling spoons, and the like.

In the event that significant contamination is expected or noted during drilling, then the drilling equipment is also cleaned between each borehole location. The cleaning is conducted using high pressure washing equipment and a phosphate detergent. A decontamination pad or cleaning area is set up well away from the general work area.

All sampling equipment used during the investigation is cleaned between collection of each sample. This includes split-spoon equipment, shovels, trowels, and any other sampling equipment. Sampling equipment is cleaned as follows:

- All sampling equipment is wiped to remove excess soil material.
- Equipment is rinsed in municipal water.
- Equipment is further rinsed with distilled water.
- In the event of significant organic contamination (such as hydrocarbons), the material is rinsed with detergent and/or methanol to remove materials.
- A final rinse with distilled water is carried out prior to utilizing the sampling equipment.

4. Soil Gas Monitoring

Soil gas monitoring is conducted to assess the potential presence of volatile organic compounds in soil materials. The monitoring is conducted by obtaining headspace measurements from soil samples. Headspace measurement is conducted by placing the tip of a photo-ionization detector or flame ionization detector through an aluminum foil cover placed over the 500 mL sample jars. Alternatively, samples may be placed into polyethylene sampling bags and vapour analysis can be conducted through the wall of the sampling bag.

When the ambient air temperature is less than 10°C, samples are generally transported to Englobe's laboratory and allowed to remain in sealed containers until reaching room temperature. Vapour analysis is then conducted at room temperature.

All testing equipment is calibrated each day prior to conducting soil vapour measurements. Measurements are generally taken with respect to equivalent hexane concentration (concentration of parts per million), or in relation to the lower explosive limit of hexane. Where appropriate, the results are converted to represent concentrations of other gases such as methane.

The results of vapour monitoring are generally utilized to provide guidance for the selection of samples for later chemical analysis. They may also be used in assessing the presence of volatile organic compounds for the siting of monitoring wells.

5. Monitoring Well Installation

Monitoring wells are generally constructed using new, pre-packaged 50 mm diameter Schedule 40 PVC pipe and screens. The screen length and opening are dependent on the project requirements.

All wells are constructed using threaded joints without glues or solvents.

A silica sand pack is placed around the well screen and typically to a height of approximately 500 mm above the top of the well screen. A well seal, consisting of bentonite clay or cementitious bentonite grout, is then placed to a thickness of at least 1 m above the sand zone. The remainder of the hole is then filled to surface with an appropriate grout material or drill cuttings.

A locking security cap is fitted in areas which may be subject to vandalism or tampering of the well installation.

Specialized drilling procedures and monitoring well installation procedures are used where aquifer zones may be penetrated. All drilling is conducted in accordance with the general requirements of Regulation 903 to ensure that there is no cross-contamination or cross flow between aquifer zones.

6. Ground Water Sampling and Water Level Measurement

Water level measurements are conducted using an electronic water level finder. The water level finder is cleaned with distilled water, detergent, and where appropriate, methanol, prior to insertion into each well.

Measurements of non-aqueous phase liquids are conducted using specialized monitoring equipment which detects the presence of both the water column and non-aqueous phase liquids.

All measurements in the field are taken relative to a fixed point, which is generally the top of the well casing or top of the well protective cap. These are later referenced to appropriate elevations or ground surface.

Ground water sampling is conducted following proper development of the well. Wells are generally developed using a dedicated Waterra inertial pump. The wells are developed by removing a minimum of three casing volumes of water, or by bailing to dryness. Where possible, the wells are developed until clear, sediment-free water is obtained.

Ground water samples are obtained only following well bailing and development, as noted above. Samples are obtained either from a dedicated inertial pump, or a dedicated bailer.

During sampling, measurements are made for selected parameters including pH, conductivity, and temperature.

Samples are collected directly into laboratory-supplied containers. Samples collected for analysis of metals are filtered through a 0.45 micron disposable filter to eliminate suspended solids.

Sample bottles are stored in an insulated cooler to protect from freezing, and to maintain temperatures of less than 10°C.

The sample collection and preservation techniques follow the general requirements of *Table 5.2(d), Required Container Preservation Techniques and Maximum Handling Times for Water Samples*, and from *MOE Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario* (May 1996).

Chain of custody forms are filled out for all samples which are shipped to commercial laboratories. The chain of custody forms are provided by the laboratory and include the following information:

- Englobe's project number
- Sample number and locations
- Name of party shipping the samples to the laboratory
- Required scope of analysis
- Date of submission
- Date of receipt by the laboratory
- Any special notes or items of clarification appropriate to the project

7. Sample Quality Assurance and Quality Control

All chemical analysis of soil and ground water samples is carried out only by CAEAL certified laboratories. These laboratories provide internal quality control checks regarding laboratory analytical procedures. This includes the use of sample spikes, surrogate samples, and duplicate analysis.

For each sampling program, one trip blank is included. The trip blank consists of deionized water that is placed in the sample containers provided by the laboratory, and is prepared by the laboratory.

Field duplicate samples are prepared at the rate of approximately one sample per ten soil or ground water samples submitted. The number of duplicate samples depends on site and project-specific requirements. Duplicate samples are provided with a fictitious sample number in order that the laboratory is not aware of the duplicate sample.

A field blank sample is obtained at the rate of approximately one sample per ten ground water samples submitted. A field blank is obtained by filling the appropriate laboratory containers with the deionized water in the field during the sampling procedure.

The results of all laboratory analysis are carefully examined and compared to the results of visual, olfactory, and soil vapour monitoring conducted in the field. Any unusual results or unexpected results are discussed carefully with the field technician and the laboratory. Where appropriate, resampling is conducted to ensure the veracity of all results.

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Appendix D
Borehole Logs



ENGLOBE

LOG OF BOREHOLE 1D

Project No.	: 02211083.000	Client	: 2621458 Ontario Inc. C/O Altus Group	Originated by	: HS
Date started	: February 21, 2024	Project	: 1393 Grahams Lane	Compiled by	: SM
Sheet No.	: 1 of 1	Location	: Burlington, Ontario	Checked by	: HS

Position : E: 596144, N: 4798462 (UTM 17T) Elevation Datum : Geodetic

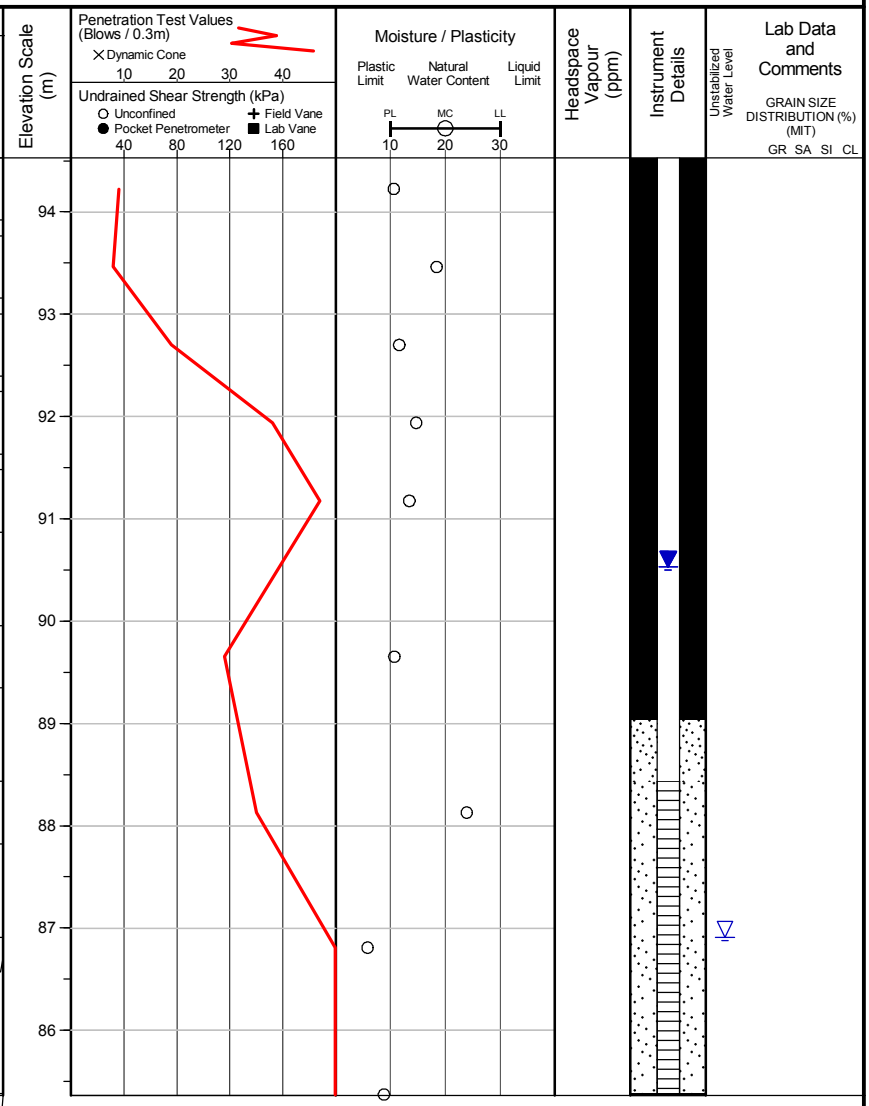
Rig type : Track-mounted Drilling Method : Solid stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
	94.5	**GROUND SURFACE**				
0		**FILL**, clayey silt, trace sand, trace gravel, stiff, brown, moist		1	SS	9
1				2	SS	8
	93.0					
	1.5	**CLAYEY SILT**, trace to some sand, trace gravel, very stiff to hard, brown, moist (GLACIAL TILL)		3	SS	19
2				4	SS	38
3				5	SS	47
4						
5				6	SS	29
6	88.4					
	6.1	**SILT**, some clay, trace sand, trace gravel, hard, grey, wet		7	SS	35
7	86.9					
	7.6	**SANDY SILT**, trace clay, trace gravel, very dense, brown, moist		8	SS	50 / 50mm
8						
9	85.3					
	9.2	...weathered shale		9	SS	50 / 25mm

END OF BOREHOLE

Unstabilized water level measured at 7.6 m below ground surface; borehole was open upon completion of drilling.

50 mm dia. monitoring well installed.



WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Mar 13, 2024	4.0	90.5

file: 02211083.002 bh logs.gpj

LOG OF BOREHOLE 1S

Project No.	: 02211083.000	Client	: 2621458 Ontario Inc. C/O Altus Group	Originated by	: HS
Date started	: February 21, 2024	Project	: 1393 Grahams Lane	Compiled by	: SM
Sheet No.	: 1 of 1	Location	: Burlington, Ontario	Checked by	: HS

Position : E: 596142, N: 4798458 (UTM 17T) Elevation Datum : Geodetic

Rig type : Track-mounted Drilling Method : Solid stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
0	94.5	**GROUND SURFACE**				
		FILL, clayey silt, trace sand, trace gravel, stiff, brown, moist		1	SS	9
1				2	SS	8
	93.0					
	1.5	**CLAYEY SILT**, trace to some sand, trace gravel, very stiff to hard, brown, moist (GLACIAL TILL)		3	SS	19
2						
				4	SS	38
3						
				5	SS	47
4						
5				6	SS	29
6	88.4					
	6.1	**END OF BOREHOLE**				

Elevation Scale (m): 94, 93, 92, 91, 90, 89

Penetration Test Values (Blows / 0.3m) — Dynamic Cone: 10, 20, 30, 40

Undrained Shear Strength (kPa) — Unconfined, Pocket Penetrometer, Field Vane, Lab Vane: 40, 80, 120, 160

Moisture / Plasticity — Plastic Limit, Natural Water Content, Liquid Limit; PL, MC, LL: 10, 20, 30

Headspace Vapour (ppm)

Instrument Details

Unstabilized Water Level

Lab Data and Comments

GRAIN SIZE DISTRIBUTION (%) (MIT) — GR SA SI CL

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Mar 13, 2024	2.5	92.0

file: 02211083.002 bh logs.gpj

LOG OF BOREHOLE 2

Project No.	: 02211083.000	Client	: 2621458 Ontario Inc. C/O Altus Group	Originated by	: HS
Date started	: February 21, 2024	Project	: 1393 Grahams Lane	Compiled by	: SM
Sheet No.	: 1 of 1	Location	: Burlington, Ontario	Checked by	: HS

Position : E: 596159, N: 4798474 (UTM 17T) Elevation Datum : Geodetic

Rig type : Track-mounted Drilling Method : Solid stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
0	94.5	**GROUND SURFACE**				
	0.8 93.7	**FILL**, sandy silt, some gravel, some clay, very stiff, brown, moist		1	SS	18
1	1.5 93.0	**FILL**, clayey silt, trace sand, trace gravel, stiff, brown, moist		2	SS	7
2		**CLAYEY SILT**, trace to some sand, trace gravel, very stiff to hard, brown, moist (GLACIAL TILL)		3	SS	27
3				4	SS	35
4				5	SS	59
5				6	SS	54
6	6.1 88.4	**SILT**, some clay, trace sand, trace gravel, hard, grey, wet		7	SS	36
7						
8	7.6 86.9	**WEATHERED SHALE**		8	SS	50 / 75mm
9	9.2 85.3	**END OF BOREHOLE**		9	SS	50 / 25mm

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.

Penetration Test Values (Blows / 0.3m) — Dynamic Cone: 10, 20, 30, 40

Undrained Shear Strength (kPa) — Unconfined, Pocket Penetrometer, Field Vane, Lab Vane: 40, 80, 120, 160

Moisture / Plasticity — Plastic Limit, Natural Water Content, Liquid Limit; PL, MC, LL: 10, 20, 30

Elevation Scale (m): 94, 93, 92, 91, 90, 89, 88, 87, 86

Headspace Vapour (ppm)

Instrument Details

Unstabilized Water Level

Lab Data and Comments

GRAIN SIZE DISTRIBUTION (%) (MIT)

GR SA SI CL

0 4 81 15

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Mar 13, 2024	4.5	90.0

file: 02211083.002 bh logs.gpj

LOG OF BOREHOLE 3

Project No.	: 02211083.000	Client	: 2621458 Ontario Inc. C/O Altus Group	Originated by	: HS
Date started	: February 25, 2024	Project	: 1393 Grahams Lane	Compiled by	: SM
Sheet No.	: 1 of 1	Location	: Burlington, Ontario	Checked by	: HS

Position : E: 596159, N: 4798457 (UTM 17T) | Elevation Datum : Geodetic | Core Diameter : **HQ**, OD=96mm, ID=64mm

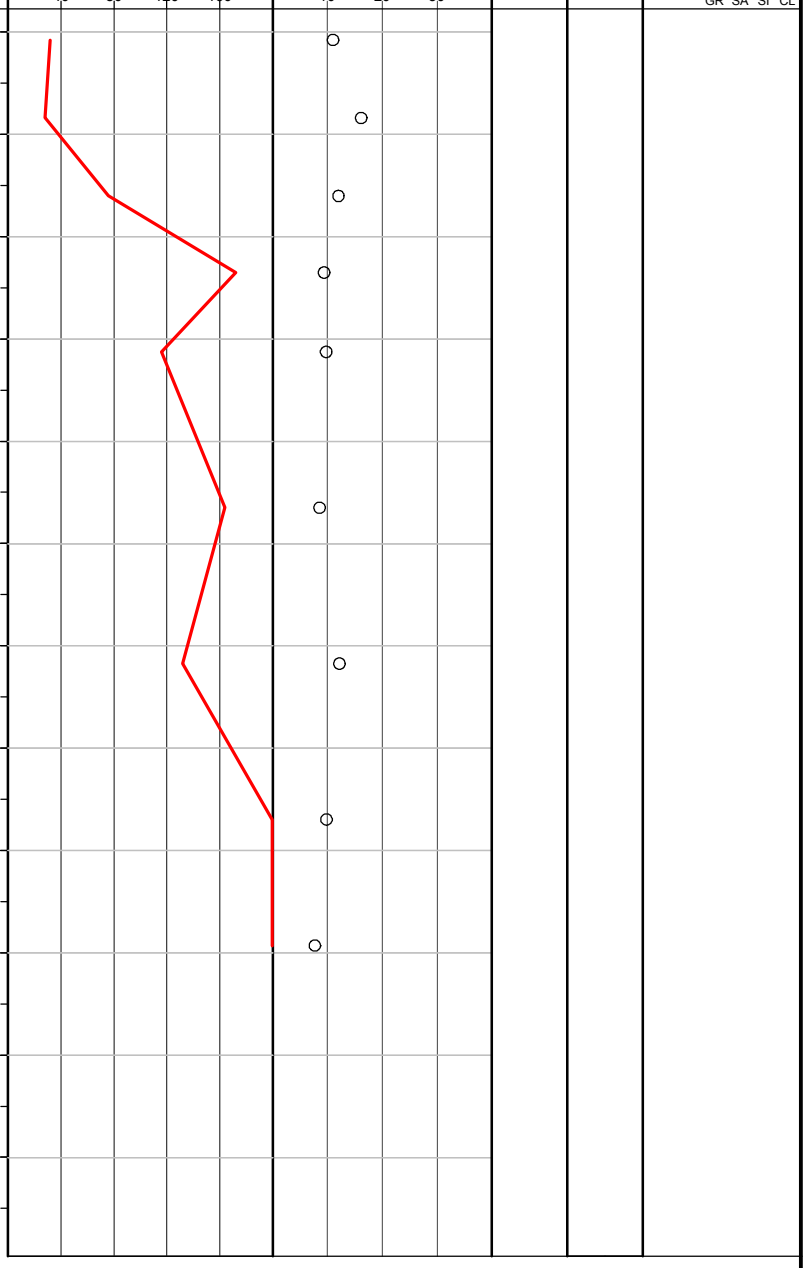
Rig type : Track-mounted | Drilling Method : Solid stem augers, HQ rock coring

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
0	94.2	**GROUND SURFACE**				
		FILL, sandy silt, some clay, trace gravel, loose, brown, moist		1	SS	8
	93.4 / 0.8					
1		**FILL**, clayey silt, trace sand, trace gravel, firm, brown, moist		2	SS	7
	92.7 / 1.5					
2		**CLAYEY SILT**, trace to some sand, trace gravel, very stiff to hard, brown, moist (GLACIAL TILL)		3	SS	19
				4	SS	43
3				5	SS	29
4						
5				6	SS	41
6				7	SS	33
7		...silty clay seams				
	86.6 / 7.6					
8		**SANDY SILT**, trace clay, trace gravel, trace shale fragments, very dense, reddish brown, moist (GLACIAL TILL)		8	SS	69
9		...weathered shale		9	SS	50 / 25mm
	84.8 / 9.4	**QUEENSTON FORMATION** (See rock core log for details)				
10				1	RUN	
11				2	RUN	
12	82.0 / 12.2					

END OF BOREHOLE

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.



file: 02211083.002 bh logs.gpj

LOG OF BOREHOLE 4

Project No.	: 02211083.000	Client	: 2621458 Ontario Inc. C/O Altus Group	Originated by	: HS
Date started	: February 21, 2024	Project	: 1393 Grahams Lane	Compiled by	: SM
Sheet No.	: 1 of 1	Location	: Burlington, Ontario	Checked by	: HS

Position : E: 596201, N: 4798441 (UTM 17T) Elevation Datum : Geodetic

Rig type : Track-mounted Drilling Method : Solid stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
0	94.8	**GROUND SURFACE**				
		FILL, clayey silt, trace sand, trace gravel, firm to very stiff, brown, moist		1	SS	16
				2	SS	6
				3	SS	5
				4	SS	6
3	91.8					
	3.0	**CLAYEY SILT**, trace to some sand, trace gravel, hard, brown, moist (GLACIAL TILL)		5	SS	36
				6	SS	33
				7	SS	40
	87.2					
8	7.6	**SANDY SILT**, trace clay, trace shale fragments, dense, brown, wet		8	SS	40
	85.6					
9	9.2	...weathered shale		9	SS	50 / 25mm

END OF BOREHOLE

Borehole was dry and open upon completion of drilling.

Elevation Scale (m): 94, 93, 92, 91, 90, 89, 88, 87, 86

Penetration Test Values (Blows / 0.3m) — Dynamic Cone: 10, 20, 30, 40

Undrained Shear Strength (kPa) — Unconfined, Pocket Penetrometer, Field Vane, Lab Vane: 40, 80, 120, 160

Moisture / Plasticity — Plastic Limit, Natural Water Content, Liquid Limit: PL, MC, LL; 10, 20, 30

Headspace Vapour (ppm)

Instrument Details

Unstabilized Water Level

Lab Data and Comments

GRAIN SIZE DISTRIBUTION (%) (MIT) — GR SA SI CL

file: 02211083.002 bh logs.gpj

LOG OF BOREHOLE 5

Project No.	: 02211083.000	Client	: 2621458 Ontario Inc. C/O Altus Group	Originated by	: HS
Date started	: February 23, 2024	Project	: 1393 Grahams Lane	Compiled by	: SM
Sheet No.	: 1 of 1	Location	: Burlington, Ontario	Checked by	: HS

Position : E: 596246, N: 4798471 (UTM 17T) Elevation Datum : Geodetic

Rig type : Track-mounted Drilling Method : Solid stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
	94.5	**GROUND SURFACE**				
0		**FILL**, sandy silt, trace clay, trace gravel, loose, brown, moist		1	SS	7
1				2	SS	6
	93.0					
	1.5	**FILL**, silty sand, trace clay, trace gravel, loose, reddish brown, moist		3	SS	7
2				4	SS	5
	91.5					
3	3.0	**CLAYEY SILT**, trace to some sand, trace gravel, hard, brown, moist (GLACIAL TILL)		5	SS	51
4						
5				6	SS	61
	88.4					
6	6.1	**SILT**, some clay, trace sand, trace gravel, hard, grey, wet		7	SS	37
7						
	86.9					
	7.6	**SANDY SILT**, trace clay, trace gravel, dense, reddish brown, moist		8	SS	49
8		...trace rock fragments below				
9				9	SS	50 / 25mm
10						
	83.8					
	10.7	...weathered shale		10	SS	50 / 0mm

END OF BOREHOLE

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.

Elevation Scale (m): 94, 93, 92, 91, 90, 89, 88, 87, 86, 85, 84

Penetration Test Values (Blows / 0.3m) — Dynamic Cone: 10, 20, 30, 40

Undrained Shear Strength (kPa) — Unconfined, Pocket Penetrometer, Field Vane, Lab Vane: 40, 80, 120, 160

Moisture / Plasticity — Plastic Limit (PL), Natural Water Content (MC), Liquid Limit (LL): 10, 20, 30

Headspace Vapour (ppm)

Instrument Details

Unstabilized Water Level

Lab Data and Comments

GRAIN SIZE DISTRIBUTION (%) (MIT) — GR SA SI CL

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Mar 13, 2024	2.3	92.2

file: 02211083.002 bh logs.gpj

LOG OF BOREHOLE 6

Project No.	: 02211083.000	Client	: 2621458 Ontario Inc. C/O Altus Group	Originated by	: HS
Date started	: February 22, 2024	Project	: 1393 Grahams Lane	Compiled by	: SM
Sheet No.	: 1 of 1	Location	: Burlington, Ontario	Checked by	: HS

Position : E: 596277, N: 4798458 (UTM 17T) Elevation Datum : Geodetic

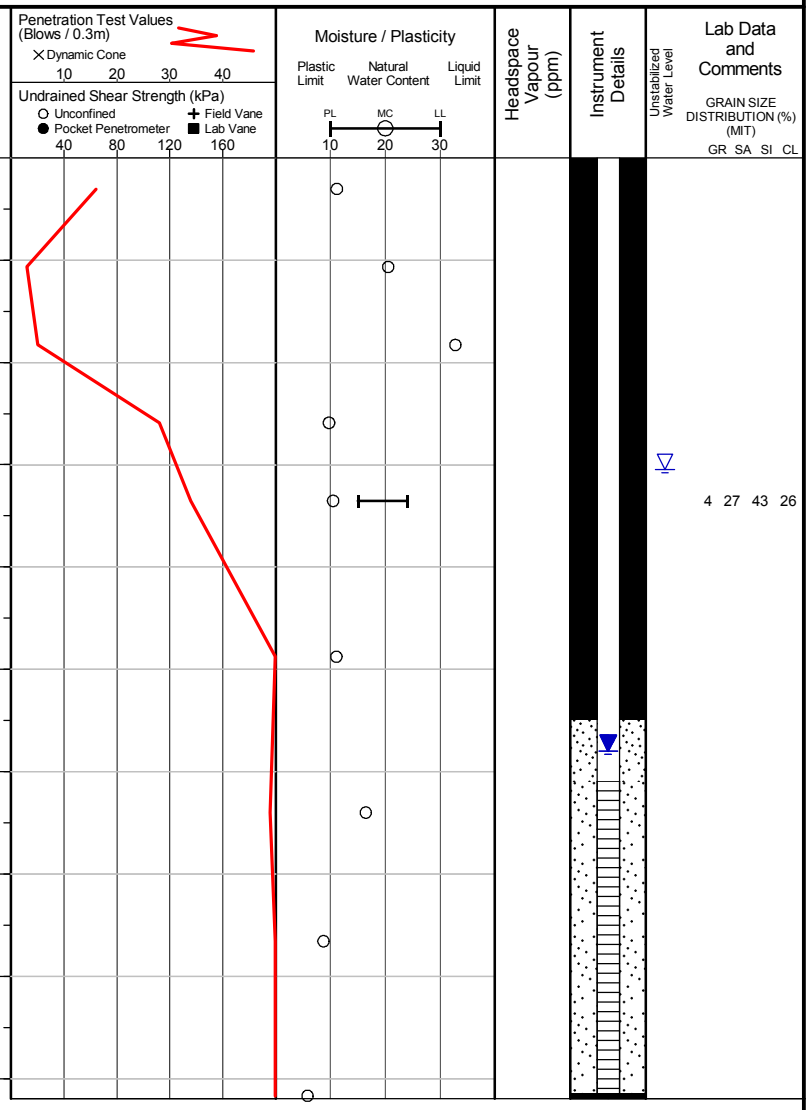
Rig type : Track-mounted Drilling Method : Solid stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value	Elevation Scale (m)
	94.0	**GROUND SURFACE**					
0		**FILL**, sandy silt, trace clay, trace gravel, trace organics, very loose to compact, dark brown, moist		1	SS	16	
1				2	SS	3	93
	92.5						
	1.5	**FILL**, silty sand, trace to some gravel, loose, reddish brown, moist		3	SS	5	
2	91.7						92
	2.3	**CLAYEY SILT**, trace to some sand, trace gravel, very stiff to hard, brown, moist (GLACIAL TILL)		4	SS	28	
3		...clayey sandy silt, trace gravel		5	SS	34	91
4							90
5				6	SS	54	89
6	87.9						88
	6.1	**SANDY SILT**, trace clay, trace gravel, dense to very dense, reddish brown, wet		7	SS	49	
7							87
8				8	SS	50 / 75mm	86
	84.8						
9	9.2	...weathered shale		9	SS	50 / 50mm	85

END OF BOREHOLE

Unstabilized water level measured at 3.0 m below ground surface; borehole caved to 3.0 m below ground surface upon completion of drilling.

50 mm dia. monitoring well installed.



WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Mar 13, 2024	5.8	88.2

file: 02211083.002 bh logs.gpj

LOG OF BOREHOLE 7

Project No.	: 02211083.000	Client	: 2621458 Ontario Inc. C/O Altus Group	Originated by	: HS
Date started	: February 22, 2024	Project	: 1393 Grahams Lane	Compiled by	: SM
Sheet No.	: 1 of 1	Location	: Burlington, Ontario	Checked by	: HS

Position : E: 596240, N: 4798407 (UTM 17T) | Elevation Datum : Geodetic | Core Diameter : **HQ**, OD=96mm, ID=64mm

Rig type : Track-mounted | Drilling Method : Solid stem augers, HQ rock coring

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Sample Number	Sample Type	SPT 'N' Value
0	94.4	**GROUND SURFACE**				
		FILL, silty sand, trace clay, trace gravel, loose, brown, moist		1	SS	5
1				2	SS	5
2				3	SS	4
	92.1					
	2.3	**SILTY SAND**, trace clay, trace gravel, loose, brown, wet		4	SS	8
3	91.4					
	3.0	**CLAYEY SILT**, trace to some sand, trace gravel, hard to hard, brown, moist (GLACIAL TILL)		5	SS	14
4						
5				6	SS	43
6	88.3					
	6.1	**SILT**, some clay, trace sand, trace gravel, hard, grey, moist		7	SS	40
7						
8				8	SS	40
9	85.3					
	9.1	**WEATHERED SHALE**		9	SS	50 / 25mm
	84.6					
	9.8	**QUEENSTON FORMATION** (See rock core log for details)		1	RUN	
10						
11				2	RUN	
12	81.6					
	12.8					

Elevation Scale (m): 94, 93, 92, 91, 90, 89, 88, 87, 86, 85, 84, 83, 82

Penetration Test Values (Blows / 0.3m): Dynamic Cone; 10 20 30 40

Undrained Shear Strength (kPa): Unconfined, Pocket Penetrometer, Field Vane, Lab Vane; 40 80 120 160

Moisture / Plasticity: Plastic Limit, Natural Water Content, Liquid Limit; PL MC LL; 10 20 30

Headspace Vapour (ppm)

Instrument Details

Unstabilized Water Level

Lab Data and Comments

GRAIN SIZE DISTRIBUTION (%) (MIT)

GR SA SI CL

END OF BOREHOLE

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Mar 13, 2024	4.0	90.4

file: 02211083.002 bh logs.gpj

LOG OF BOREHOLE 8

Project No.	: 02211083.000	Client	: 2621458 Ontario Inc. C/O Altus Group	Originated by	: HS
Date started	: February 23, 2024	Project	: 1393 Grahams Lane	Compiled by	: SM
Sheet No.	: 1 of 1	Location	: Burlington, Ontario	Checked by	: HS

Position : E: 596192, N: 4798391 (UTM 17T) Elevation Datum : Geodetic

Rig type : Track-mounted Drilling Method : Solid stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
0	94.7	**GROUND SURFACE**				
		FILL, sandy silt, trace clay, trace gravel, trace organics, compact, brown, moist		1	SS	17
	93.9 / 0.8					
1		**FILL**, sandy silt, trace clay, trace gravel, loose to dense, brown, moist		2	SS	7
				3	SS	16
2	92.4 / 2.3					
		SAND, some silt, trace gravel, trace clay, loose to compact, reddish brown, moist		4	SS	7
3				5	SS	12
4	90.1 / 4.6					
		CLAYEY SILT, trace to some sand, trace gravel, very stiff to hard, brown, moist (GLACIAL TILL)		6	SS	57
5						
6		...silt,some clay seams		7	SS	50
7	87.1 / 7.6					
		SANDY SILT, trace clay, trace gravel, trace shale fragments, very dense, brown, moist		8	SS	50 / 75mm
8						
9	85.5 / 9.2	...weathered shale		9	SS	50 / 75mm

END OF BOREHOLE

Unstabilized water level measured at 3.0 m below ground surface; borehole caved to 3.0 m below ground surface upon completion of drilling.

50 mm dia. monitoring well installed.

Elevation Scale (m): 94, 93, 92, 91, 90, 89, 88, 87, 86

Penetration Test Values (Blows / 0.3m) — Dynamic Cone: 10 20 30 40

Undrained Shear Strength (kPa) — Unconfined, Pocket Penetrometer, Field Vane, Lab Vane: 40 80 120 160

Moisture / Plasticity — Plastic Limit, Natural Water Content, Liquid Limit: PL MC LL; 10 20 30

Headspace Vapour (ppm)

Instrument Details

Unstabilized Water Level

Lab Data and Comments

GRAIN SIZE DISTRIBUTION (%) (MIT)

GR	SA	SI	CL
9	75	13	3

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Mar 13, 2024	6.0	88.7

file: 02211083.002 bh logs.gpj

LOG OF BOREHOLE 9

Project No.	: 02211083.000	Client	: 2621458 Ontario Inc. C/O Altus Group	Originated by	: HS
Date started	: February 23, 2024	Project	: 1393 Grahams Lane	Compiled by	: SM
Sheet No.	: 1 of 1	Location	: Burlington, Ontario	Checked by	: HS

Position : E: 596172, N: 4798399 (UTM 17T) Elevation Datum : Geodetic

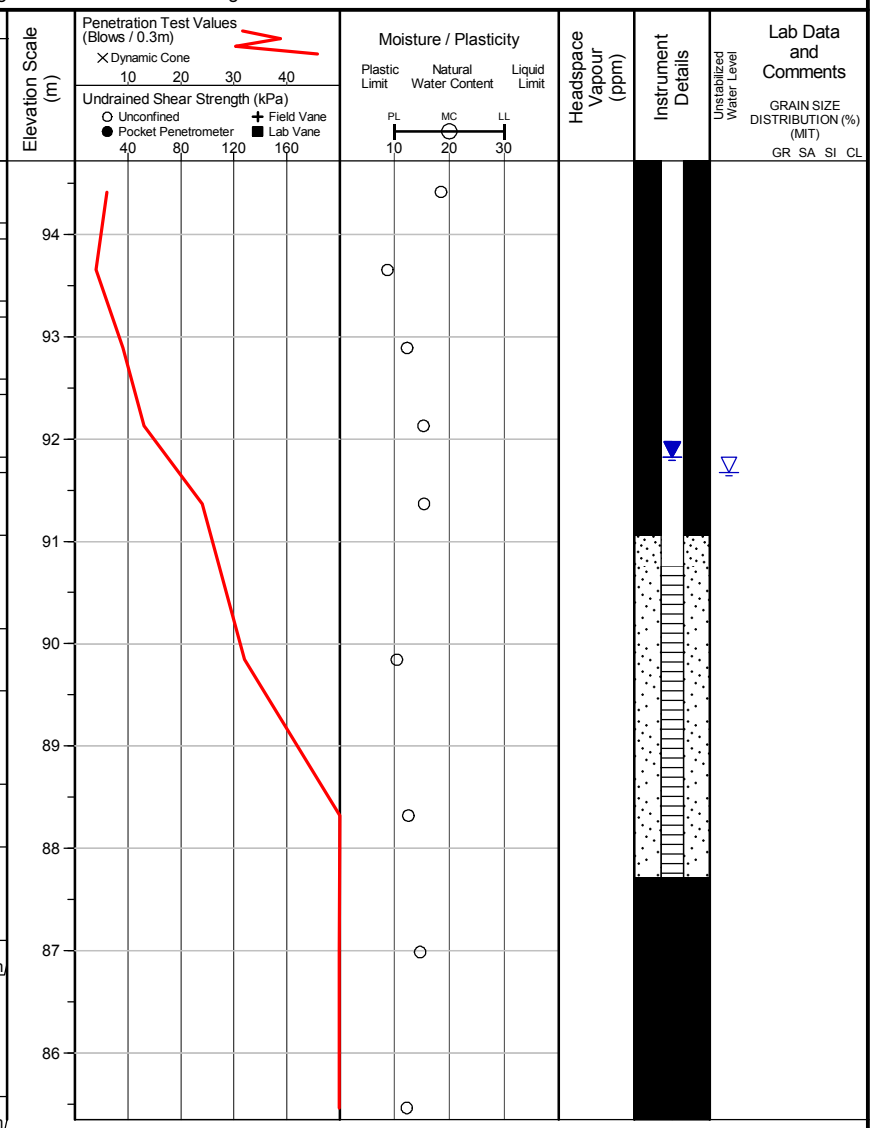
Rig type : Track-mounted Drilling Method : Solid stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Sample Number	Sample Type	SPT 'N' Value
0	94.7	**GROUND SURFACE**				
	0.8	**FILL**, sandy silt, trace clay, trace gravel, loose, brown, moist		1	SS	6
1	93.9	**FILL**, silty sand, trace clay, trace gravel, loose, brown, moist		2	SS	4
				3	SS	9
2	92.4					
	2.3	**SILTY SAND**, trace clay, trace gravel, compact, brown, moist		4	SS	13
3	91.7					
	3.0	**CLAYEY SILT**, trace to some sand, trace gravel, very stiff to hard, brown, moist (GLACIAL TILL)		5	SS	24
4						
5				6	SS	32
6				7	SS	50
7	87.1					
	7.6	**SANDY SILT**, trace clay, trace gravel, very dense, brown, moist		8	SS	50 / 75mm
8						
9	85.3	...silty clay seams		9	SS	50 / 75mm
	9.4	...trace shale fragments				

END OF BOREHOLE

Unstabilized water level measured at 3.0 m below ground surface; borehole caved to 3.0 m below ground surface upon completion of drilling.

50 mm dia. monitoring well installed.



WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Mar 13, 2024	2.9	91.8

file: 02211083.002 bh logs.gpj

LOG OF BOREHOLE 10

Project No.	: 02211083.000	Client	: 2621458 Ontario Inc. C/O Altus Group	Originated by	: HS
Date started	: February 27, 2024	Project	: 1393 Grahams Lane	Compiled by	: SM
Sheet No.	: 1 of 1	Location	: Burlington, Ontario	Checked by	: HS

Position :
Elevation Datum : Geodetic
Rig type : Track-mounted
Drilling Method : Solid stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value	Elevation Scale (m)	Penetration Test Values (Blows / 0.3m) / Undrained Shear Strength (kPa)	Moisture / Plasticity (PL, MC, LL)	Headspace Vapour (ppm)	Instrument Details	Unstabilized Water Level	Lab Data and Comments
0		**GROUND SURFACE**											
		FILL, silty sand, trace clay, trace gravel, loose to compact, brown, moist to wet		1	SS	19							
1				2	SS	4							
2				3	SS	4							
				4	SS	8							
3	3.0	**SILTY SAND**, trace clay, trace gravel, compact, brown, wet		5	SS	10							
	3.7	**END OF BOREHOLE**											

Penetration Test Values (Blows / 0.3m): ×Dynamic Cone; 10 20 30 40
Undrained Shear Strength (kPa): ○ Unconfined ● Pocket Penetrometer + Field Vane ■ Lab Vane; 40 80 120 160
Moisture / Plasticity: Plastic Limit | Natural Water Content | Liquid Limit; PL MC LL; 10 20 30
Lab Data and Comments: GRAIN SIZE DISTRIBUTION (%) (MIT) GR SA SI CL

Borehole was dry and open upon completion of drilling.

LOG OF BOREHOLE 11

Project No.	: 02211083.000	Client	: 2621458 Ontario Inc. C/O Altus Group	Originated by	: HS
Date started	: February 22, 2024	Project	: 1393 Grahams Lane	Compiled by	: SM
Sheet No.	: 1 of 1	Location	: Burlington, Ontario	Checked by	: HS

Position :
Elevation Datum : Geodetic
Rig type : Track-mounted
Drilling Method : Solid stem augers

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Sample Number	Sample Type	SPT 'N' Value
0		**GROUND SURFACE**				
		FILL, silty sand, trace clay, trace gravel, loose to very dense, brown, moist to wet		1	SS	62
1				2	SS	47
2				3	SS	12
				4	SS	8
3	3.0	**CLAYEY SILT**, trace to some sand, trace gravel, very stiff, grey, moist (GLACIAL TILL)		5	SS	18
	3.7	**END OF BOREHOLE**				

Borehole was dry and open upon completion of drilling.

Penetration Test Values (Blows / 0.3m) — Dynamic Cone: 10, 20, 30, 40
Undrained Shear Strength (kPa) — Unconfined, Pocket Penetrometer, Field Vane, Lab Vane: 40, 80, 120, 160
Moisture / Plasticity — Plastic Limit (PL), Natural Water Content (MC), Liquid Limit (LL): 10, 20, 30
Elevation Scale (m)
Headspace Vapour (ppm)
Instrument Details
Unstabilized Water Level
Lab Data and Comments
GRAIN SIZE DISTRIBUTION (%) (MIT) — GR SA SI CL

file: 02211083.002 bh logs.gpj

Appendix E
Certificate of Analysis



ENGLOBE

AGAT Laboratories

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

CLIENT NAME: ENGLOBE CORP.
20, CARLSON COURT
ETOBICOKE, ON M9W 7K6
416 301-5909

ATTENTION TO: Syed Ali

PROJECT: 02211083

AGAT WORK ORDER: 24T125325

SOIL ANALYSIS REVIEWED BY: Amanjot Bhela, Lab Operation Manager

TRACE ORGANICS REVIEWED BY: Oksana Gushyla, Trace Organics Lab Supervisor

DATE REPORTED: Mar 07, 2024

PAGES (INCLUDING COVER): 37

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: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

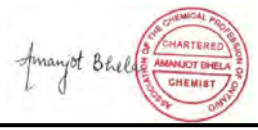
O. Reg. 153(511) - Metals & Inorganics (Soil)

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		BH1-SS1	BH2-SS1	BH3-SS1	BH4-SS1	BH5-SS1	BH6-SS1	BH7-SS1	BH8-SS1
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689136	5689139	5689140	5689142	5689144	5689145	5689146	5689148
Antimony	µg/g	7.5	0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Arsenic	µg/g	18	1	16	10	9	5	23	8	4	14
Barium	µg/g	390	2.0	73.9	153	150	42.6	43.1	36.8	14.9	31.9
Beryllium	µg/g	4	0.5	<0.5	1.6	0.8	<0.5	<0.5	<0.5	<0.5	<0.5
Boron	µg/g	120	5	11	30	12	9	<5	5	5	<5
Boron (Hot Water Soluble)	µg/g	1.5	0.10	2.17	1.07	0.73	0.15	0.21	0.11	<0.10	0.20
Cadmium	µg/g	1.2	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	µg/g	160	5	14	17	23	55	14	11	9	12
Cobalt	µg/g	22	0.8	5.9	6.6	10.8	4.4	6.5	5.4	4.5	5.3
Copper	µg/g	140	1.0	172	48.1	43.4	22.6	40.5	18.3	18.2	24.0
Lead	µg/g	120	1	51	36	15	35	62	19	6	37
Molybdenum	µg/g	6.9	0.5	0.6	0.6	0.7	1.8	0.6	0.6	<0.5	0.5
Nickel	µg/g	100	1	13	14	23	16	13	10	10	11
Selenium	µg/g	2.4	0.8	<0.8	1.1	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Silver	µg/g	20	0.5	<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	<0.5
Uranium	µg/g	23	0.50	1.00	1.24	0.78	0.59	0.54	<0.50	<0.50	<0.50
Vanadium	µg/g	86	2.0	24.2	26.3	33.6	62.3	24.4	21.2	18.3	23.1
Zinc	µg/g	340	5	93	117	63	311	104	122	25	45
Chromium, Hexavalent	µg/g	8	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cyanide, WAD	µg/g	0.051	0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Mercury	µg/g	0.27	0.10	1.02	0.26	0.10	0.16	0.11	<0.10	<0.10	<0.10
Electrical Conductivity (2:1)	mS/cm	0.7	0.005	0.368	0.380	0.396	0.269	0.276	0.272	0.192	0.295
Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	N/A	0.203	0.292	1.60	1.20	1.28	1.00	1.26	0.777
pH, 2:1 CaCl2 Extraction	pH Units	5.0-9.0	NA	6.44	6.54	6.54	6.97	6.65	6.61	6.58	6.54

Certified By:



Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		BH9-SS1	BH10-SS1	BH11-SS1	DUP 1	DUP 2	DUP 3
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689149	5689150	5689151	5689152	5689153	5689154
Antimony	µg/g	7.5	0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Arsenic	µg/g	18	1	7	4	4	15	9	4
Barium	µg/g	390	2.0	30.5	22.9	65.4	72.3	39.9	16.1
Beryllium	µg/g	4	0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5
Boron	µg/g	120	5	<5	<5	6	12	7	5
Boron (Hot Water Soluble)	µg/g	1.5	0.10	0.18	0.12	<0.10	1.80	0.15	<0.10
Cadmium	µg/g	1.2	0.5	<0.5	<0.5	0.7	<0.5	0.5	<0.5
Chromium	µg/g	160	5	13	13	9	16	13	8
Cobalt	µg/g	22	0.8	6.5	6.8	4.2	6.5	6.0	4.5
Copper	µg/g	140	1.0	29.1	18.5	18.1	196	22.6	17.8
Lead	µg/g	120	1	21	8	83	49	26	6
Molybdenum	µg/g	6.9	0.5	0.7	<0.5	1.7	0.6	0.7	<0.5
Nickel	µg/g	100	1	13	13	10	14	12	10
Selenium	µg/g	2.4	0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Silver	µg/g	20	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
Uranium	µg/g	23	0.50	<0.50	<0.50	0.73	0.87	0.51	<0.50
Vanadium	µg/g	86	2.0	24.4	23.7	16.4	25.4	22.0	13.5
Zinc	µg/g	340	5	64	35	474	93	243	24
Chromium, Hexavalent	µg/g	8	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cyanide, WAD	µg/g	0.051	0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Mercury	µg/g	0.27	0.10	<0.10	<0.10	<0.10	0.64	<0.10	<0.10
Electrical Conductivity (2:1)	mS/cm	0.7	0.005	1.09	0.440	0.478	0.593	0.312	0.541
Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	N/A	8.38	2.04	0.786	0.230	0.786	1.38
pH, 2:1 CaCl2 Extraction	pH Units	5.0-9.0	NA	6.48	6.58	8.31	7.34	7.07	6.86

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: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

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 - Coarse 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.

5689136-5689154 EC was determined on the DI water extract obtained from the 2:1 leaching procedure (2 parts DI water:1 part soil). pH was determined on the 0.01M CaCl2 extract prepared at 2:1 ratio. SAR is a calculated parameter.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

				SAMPLE DESCRIPTION:	BH1-SS5	BH3-SS5	BH4-SS5	BH7-SS5	DUP 4
				SAMPLE TYPE:	Soil	Soil	Soil	Soil	Soil
				DATE SAMPLED:	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL		5689138	5689141	5689143	5689147	5689155
pH, 2:1 CaCl2 Extraction	pH Units	5.0-9.0	NA		6.59	6.56	6.80	6.62	6.71

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 - Coarse 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.

5689138-5689155 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:



Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24T125325
PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.
SAMPLING SITE:1393 Grahams Lane, Burlington

ATTENTION TO: Syed Ali
SAMPLED BY:

O. Reg. 558 - Metals & Inorganics

DATE RECEIVED: 2024-02-29

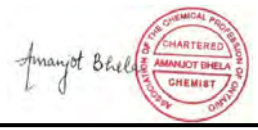
DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		TCLP 1
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2024-02-29
Parameter	Unit	G / S	RDL	5689159
Arsenic Leachate	mg/L	2.5	0.010	<0.010
Barium Leachate	mg/L	100	0.020	1.08
Boron Leachate	mg/L	500	0.050	0.097
Cadmium Leachate	mg/L	0.5	0.010	<0.010
Chromium Leachate	mg/L	5	0.050	<0.050
Lead Leachate	mg/L	5	0.010	<0.010
Mercury Leachate	mg/L	0.1	0.01	<0.01
Selenium Leachate	mg/L	1	0.020	<0.020
Silver Leachate	mg/L	5	0.010	<0.010
Uranium Leachate	mg/L	10	0.050	<0.050
Fluoride Leachate	mg/L	150	0.10	0.12
Cyanide Leachate	mg/L	20	0.05	<0.05
(Nitrate + Nitrite) as N Leachate	mg/L	1000	0.70	<0.70

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to O. Reg. 558 - Schedule IV Leachate Quality Criteria
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: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

O. Reg. 153(511) - OC Pesticides (Soil)

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		BH1-SS1	BH2-SS1	DUP 6
		SAMPLE TYPE:		Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689136	5689139	5689158
Hexachloroethane	µg/g	0.089	0.005	<0.005	<0.005	<0.005
Gamma-Hexachlorocyclohexane	µg/g	0.056	0.005	<0.005	<0.005	<0.005
Heptachlor	µg/g	0.15	0.005	<0.005	<0.005	<0.005
Aldrin	µg/g	0.05	0.005	<0.005	<0.005	<0.005
Heptachlor Epoxide	µg/g	0.05	0.005	<0.005	<0.005	<0.005
Endosulfan I	µg/g		0.005	<0.005	<0.005	<0.005
Endosulfan II	µg/g		0.005	<0.005	<0.005	<0.005
Endosulfan	µg/g	0.04	0.005	<0.005	<0.005	<0.005
Alpha-Chlordane	µg/g		0.005	<0.005	<0.005	<0.005
gamma-Chlordane	µg/g		0.005	<0.005	<0.005	<0.005
Chlordane	µg/g	0.05	0.007	<0.007	<0.007	<0.007
op'-DDE	ug/g		0.005	0.008	<0.005	0.010
pp'-DDE	µg/g		0.005	0.364	0.007	0.457
DDE	µg/g	0.26	0.007	0.372	0.007	0.467
op'-DDD	µg/g		0.005	0.046	<0.005	0.065
pp'-DDD	µg/g		0.005	0.178	0.005	0.206
DDD	µg/g	3.3	0.007	0.224	<0.007	0.271
op'-DDT	µg/g		0.005	<0.005	<0.005	<0.005
pp'-DDT	µg/g		0.005	<0.005	<0.005	<0.005
DDT (Total)	µg/g	1.4	0.007	<0.007	<0.007	<0.007
Dieldrin	µg/g	0.05	0.005	<0.005	<0.005	<0.005
Endrin	µg/g	0.04	0.005	<0.005	<0.005	<0.005
Methoxychlor	µg/g	0.13	0.005	<0.005	<0.005	<0.005
Hexachlorobenzene	µg/g	0.52	0.005	<0.005	<0.005	<0.005
Hexachlorobutadiene	µg/g	0.012	0.01	<0.01	<0.01	<0.01
Moisture Content	%		0.1	18.2	5.6	21.1
wet weight OC	g		0.005	10.6	10.5	10.6
Surrogate	Unit	Acceptable Limits				
TCMX	%	50-140		87	76	87
Decachlorobiphenyl	%	50-140		83	81	92

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: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

O. Reg. 153(511) - OC Pesticides (Soil)

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

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 - Coarse 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.

5689136-5689158 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.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		BH1-SS1	BH2-SS1	BH3-SS1	BH4-SS1	BH5-SS1	BH6-SS1	BH7-SS1	BH8-SS1
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689136	5689139	5689140	5689142	5689144	5689145	5689146	5689148
Naphthalene	µg/g	0.6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	µg/g	0.15	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthene	µg/g	7.9	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	µg/g	62	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	µg/g	6.2	0.05	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
Anthracene	µg/g	0.67	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	µg/g	0.69	0.05	<0.05	0.30	<0.05	<0.05	<0.05	<0.05	<0.05	0.07
Pyrene	µg/g	78	0.05	<0.05	0.21	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
Benz(a)anthracene	µg/g	0.5	0.05	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	µg/g	7	0.05	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/g	0.78	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	µg/g	0.78	0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	µg/g	0.3	0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-cd)pyrene	µg/g	0.38	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(a,h)anthracene	µg/g	0.1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(g,h,i)perylene	µg/g	6.6	0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-and 1-methyl Naphthalene	µg/g	0.99	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Moisture Content	%		0.1	18.2	5.6	16.7	4.7	13.4	15.1	10.3	10.7
Surrogate	Unit	Acceptable Limits									
Naphthalene-d8	%	50-140		70	70	79	85	70	70	70	70
Acridine-d9	%	50-140		80	65	88	70	85	85	85	70
Terphenyl-d14	%	50-140		80	85	80	70	85	85	90	85

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		BH9-SS1	BH10-SS1	BH11-SS1	DUP 1	DUP 2	DUP 3
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689149	5689150	5689151	5689152	5689153	5689154
Naphthalene	µg/g	0.6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	µg/g	0.15	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthene	µg/g	7.9	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	µg/g	62	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	µg/g	6.2	0.05	<0.05	<0.05	0.21	0.23	<0.05	<0.05
Anthracene	µg/g	0.67	0.05	<0.05	<0.05	0.06	0.07	<0.05	<0.05
Fluoranthene	µg/g	0.69	0.05	<0.05	<0.05	0.19	0.29	<0.05	<0.05
Pyrene	µg/g	78	0.05	<0.05	<0.05	0.13	0.20	<0.05	<0.05
Benz(a)anthracene	µg/g	0.5	0.05	<0.05	<0.05	0.06	0.08	<0.05	<0.05
Chrysene	µg/g	7	0.05	<0.05	<0.05	0.06	0.08	<0.05	<0.05
Benzo(b)fluoranthene	µg/g	0.78	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	µg/g	0.78	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	µg/g	0.3	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-cd)pyrene	µg/g	0.38	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(a,h)anthracene	µg/g	0.1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(g,h,i)perylene	µg/g	6.6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-and 1-methyl Naphthalene	µg/g	0.99	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Moisture Content	%		0.1	9.6	8.3	5.0	16.6	14.4	9.9
Surrogate	Unit	Acceptable Limits							
Naphthalene-d8	%	50-140		70	70	75	65	70	70
Acridine-d9	%	50-140		75	65	75	80	80	70
Terphenyl-d14	%	50-140		85	85	90	90	90	85

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 - Coarse 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.

5689136-5689154 Results are based on the dry weight of the soil.
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		BH1-SS1	BH2-SS1	BH3-SS1	BH4-SS1	BH5-SS1	BH6-SS1	BH7-SS1	BH8-SS1
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689136	5689139	5689140	5689142	5689144	5689145	5689146	5689148
Polychlorinated Biphenyls	µg/g	0.35	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Moisture Content	%		0.1	18.2	5.6	16.7	4.7	13.4	15.1	10.3	10.7
Surrogate	Unit	Acceptable Limits									
Decachlorobiphenyl	%	50-140		80	88	104	92	104	76	92	120

		SAMPLE DESCRIPTION:		BH9-SS1	BH10-SS1	BH11-SS1	DUP 1	DUP 2	DUP 3
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689149	5689150	5689151	5689152	5689153	5689154
Polychlorinated Biphenyls	µg/g	0.35	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Moisture Content	%		0.1	9.6	8.3	5.0	16.6	14.4	9.9
Surrogate	Unit	Acceptable Limits							
Decachlorobiphenyl	%	50-140		96	80	100	100	108	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 - Coarse 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.

5689136-5689154 Results are based on the dry weight of soil extracted.
PCB total is a calculated parameter. The calculated value is the sum of Aroclor 1242, Aroclor 1248, Aroclor 1254 and Aroclor 1260.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		BH1-SS1	BH2-SS1	BH3-SS1	BH4-SS1	BH5-SS1	BH6-SS1	BH7-SS1	BH8-SS1
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689136	5689139	5689140	5689142	5689144	5689145	5689146	5689148
F1 (C6 to C10)	µg/g	55	5	<5	<5	<5	<5	<5	<5	<5	<5
F1 (C6 to C10) minus BTEX	µg/g	55	5	<5	<5	<5	<5	<5	<5	<5	<5
F2 (C10 to C16)	µg/g	98	10	<10	<10	<10	<10	<10	<10	<10	<10
F2 (C10 to C16) minus Naphthalene	µg/g		10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16 to C34)	µg/g	300	50	<50	<50	<50	<50	<50	<50	<50	<50
F3 (C16 to C34) minus PAHs	µg/g		50	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34 to C50)	µg/g	2800	50	<50	<50	<50	<50	<50	<50	<50	<50
Gravimetric Heavy Hydrocarbons	µg/g	2800	50	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	%		0.1	18.2	5.6	16.7	4.7	13.4	15.1	10.3	10.7
Surrogate	Unit	Acceptable Limits									
Toluene-d8	%	50-140		93	94	93	94	91	94	93	95
Terphenyl	%	60-140		71	79	73	84	110	86	120	84

		SAMPLE DESCRIPTION:		BH9-SS1	BH10-SS1	BH11-SS1	DUP 1	DUP 2	DUP 3
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689149	5689150	5689151	5689152	5689153	5689154
F1 (C6 to C10)	µg/g	55	5	<5	<5	<5	<5	<5	<5
F1 (C6 to C10) minus BTEX	µg/g	55	5	<5	<5	<5	<5	<5	<5
F2 (C10 to C16)	µg/g	98	10	<10	<10	<10	<10	<10	<10
F2 (C10 to C16) minus Naphthalene	µg/g		10	<10	<10	<10	<10	<10	<10
F3 (C16 to C34)	µg/g	300	50	<50	<50	<50	<50	<50	<50
F3 (C16 to C34) minus PAHs	µg/g		50	<50	<50	<50	<50	<50	<50
F4 (C34 to C50)	µg/g	2800	50	<50	<50	<50	<50	<50	<50
Gravimetric Heavy Hydrocarbons	µg/g	2800	50	NA	NA	NA	NA	NA	NA
Moisture Content	%		0.1	9.6	8.3	5.0	16.6	14.4	9.9
Surrogate	Unit	Acceptable Limits							
Toluene-d8	%	50-140		90	94	94	91	92	92
Terphenyl	%	60-140		88	70	84	100	74	82

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

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 - Coarse 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.

5689136-5689154 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:

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AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		DUP 5
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2024-02-29
Parameter	Unit	G / S	RDL	5689156
F1 (C6 to C10)	µg/g	55	5	<5
F1 (C6 to C10) minus BTEX	µg/g	55	5	<5
F2 (C10 to C16)	µg/g	98	10	<10
F3 (C16 to C34)	µg/g	300	50	<50
F4 (C34 to C50)	µg/g	2800	50	<50
Gravimetric Heavy Hydrocarbons	µg/g	2800	50	NA
Moisture Content	%		0.1	6.2
Surrogate	Unit	Acceptable Limits		
Toluene-d8	%	50-140		93
Terphenyl	%	60-140		85

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 - Coarse 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.

5689156 Results are based on sample dry weight.
The C6-C10 fraction is calculated using toluene response factor.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX contribution.
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC6 and nC10 response factors are within 30% of Toluene response factor.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.
Fractions 1-4 are quantified without the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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: 24T125325
PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.
SAMPLING SITE:1393 Grahams Lane, Burlington

ATTENTION TO: Syed Ali
SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		BH1-SS1	BH2-SS1	BH3-SS1	BH4-SS1	BH5-SS1	BH6-SS1	BH7-SS1	BH8-SS1
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689136	5689139	5689140	5689142	5689144	5689145	5689146	5689148
Dichlorodifluoromethane	µg/g	16	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	ug/g	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<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	4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acetone	ug/g	16	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	0.1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trans- 1,2-Dichloroethylene	ug/g	0.084	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl tert-butyl Ether	ug/g	0.75	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	ug/g	0.47	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methyl Ethyl Ketone	ug/g	16	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Cis- 1,2-Dichloroethylene	ug/g	1.9	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chloroform	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<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	0.38	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	ug/g	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dichloropropane	ug/g	0.05	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trichloroethylene	ug/g	0.061	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Bromodichloromethane	ug/g	1.5	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Isobutyl Ketone	ug/g	1.7	0.50	<0.50	<0.50	<0.50	<0.50	<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	2.3	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	ug/g	2.3	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	0.28	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	0.058	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Chlorobenzene	ug/g	2.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	1.1	0.05	<0.05	<0.05	<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	<0.05	<0.05	<0.05

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: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		BH1-SS1	BH2-SS1	BH3-SS1	BH4-SS1	BH5-SS1	BH6-SS1	BH7-SS1	BH8-SS1
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689136	5689139	5689140	5689142	5689144	5689145	5689146	5689148
Bromoform	ug/g	0.27	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	ug/g	0.7	0.05	<0.05	<0.05	<0.05	<0.05	<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	4.8	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	ug/g	0.083	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	ug/g	1.2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	ug/g	3.1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene (Cis + Trans)	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
n-Hexane	µg/g	2.8	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Moisture Content	%		0.1	18.2	5.6	16.7	4.7	13.4	15.1	10.3	10.7
Surrogate	Unit	Acceptable Limits									
Toluene-d8	% Recovery	50-140		93	94	93	94	91	94	93	95
4-Bromofluorobenzene	% Recovery	50-140		90	92	89	93	90	89	90	96

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 24T125325
PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.
SAMPLING SITE:1393 Grahams Lane, Burlington

ATTENTION TO: Syed Ali
SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		BH9-SS1	BH10-SS1	BH11-SS1	DUP 1	DUP 2	DUP 3	DUP 5
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689149	5689150	5689151	5689152	5689153	5689154	5689156
Dichlorodifluoromethane	µg/g	16	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	ug/g	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<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
Trichlorofluoromethane	ug/g	4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acetone	ug/g	16	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
Methylene Chloride	ug/g	0.1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trans- 1,2-Dichloroethylene	ug/g	0.084	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl tert-butyl Ether	ug/g	0.75	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	ug/g	0.47	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methyl Ethyl Ketone	ug/g	16	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Cis- 1,2-Dichloroethylene	ug/g	1.9	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chloroform	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<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
1,1,1-Trichloroethane	ug/g	0.38	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	ug/g	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dichloropropane	ug/g	0.05	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trichloroethylene	ug/g	0.061	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Bromodichloromethane	ug/g	1.5	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Isobutyl Ketone	ug/g	1.7	0.50	<0.50	<0.50	<0.50	<0.50	<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
Toluene	ug/g	2.3	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	ug/g	2.3	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
Tetrachloroethylene	ug/g	0.28	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	ug/g	0.058	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Chlorobenzene	ug/g	2.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	1.1	0.05	<0.05	<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	<0.05	<0.05

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: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

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

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		BH9-SS1	BH10-SS1	BH11-SS1	DUP 1	DUP 2	DUP 3	DUP 5
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29	2024-02-29
Parameter	Unit	G / S	RDL	5689149	5689150	5689151	5689152	5689153	5689154	5689156
Bromoform	ug/g	0.27	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	ug/g	0.7	0.05	<0.05	<0.05	<0.05	<0.05	<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
o-Xylene	ug/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	ug/g	4.8	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	ug/g	0.083	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	ug/g	1.2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	ug/g	3.1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene (Cis + Trans)	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
n-Hexane	µg/g	2.8	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Moisture Content	%		0.1	9.6	8.3	5.0	16.6	14.4	9.9	6.2
Surrogate	Unit	Acceptable Limits								
Toluene-d8	% Recovery	50-140		90	94	94	91	92	92	93
4-Bromofluorobenzene	% Recovery	50-140		94	92	94	93	92	92	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 - Coarse 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.

5689136-5689156 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:

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

O. Reg. 558 - Benzo(a) pyrene

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		TCLP 1
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2024-02-29
Parameter	Unit	G / S	RDL	5689159
Benzo(a)pyrene Leachate	mg/L	0.001	0.001	<0.001
Surrogate	Unit	Acceptable Limits		
Acridine-d9	%	50-140		112
Naphthalene-d8	%	50-140		83
Terphenyl-d14	%	50-140		78

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to O. Reg. 558 - Schedule IV Leachate Quality Criteria
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.

5689159 The sample was leached according to Regulation 558 protocol. Analysis was performed on the leachate.

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: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

O. Reg. 558 - PCBs

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

		SAMPLE DESCRIPTION:		TCLP 1
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2024-02-29
Parameter	Unit	G / S	RDL	5689159
PCB's Leachate	mg/L	0.3	0.005	<0.005
Surrogate	Unit	Acceptable Limits		
Decachlorobiphenyl	%	50-140		73

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to O. Reg. 558 - Schedule IV Leachate Quality Criteria
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.

5689159 The soil sample was leached using the Regulation 558 procedure. Analysis was performed on the leachate.
PCB total is a calculated parameter. The calculated value is the sum of Aroclor 1242, Aroclor 1248, Aroclor 1254 and Aroclor 1260.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

O. Reg. 558 - VOCs

DATE RECEIVED: 2024-02-29

DATE REPORTED: 2024-03-07

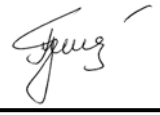
		SAMPLE DESCRIPTION:		TCLP 1
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2024-02-29
Parameter	Unit	G / S	RDL	5689159
Vinyl Chloride Leachate	mg/L	0.2	0.030	<0.030
1,1 Dichloroethene Leachate	mg/L	1.4	0.020	<0.020
Dichloromethane Leachate	mg/L	5.0	0.030	<0.030
Methyl Ethyl Ketone Leachate	mg/L	200	0.090	<0.090
Chloroform Leachate	mg/L	10.0	0.020	<0.020
1,2-Dichloroethane Leachate	mg/L	0.5	0.020	<0.020
Carbon Tetrachloride Leachate	mg/L	0.5	0.020	<0.020
Benzene Leachate	mg/L	0.5	0.020	<0.020
Trichloroethene Leachate	mg/L	5.0	0.020	<0.020
Tetrachloroethene Leachate	mg/L	3.0	0.050	<0.050
Chlorobenzene Leachate	mg/L	8.0	0.010	<0.010
1,2-Dichlorobenzene Leachate	mg/L	20.0	0.010	<0.010
1,4-Dichlorobenzene Leachate	mg/L	0.5	0.010	<0.010
Surrogate	Unit	Acceptable Limits		
Toluene-d8	% Recovery	50-140		100
4-Bromofluorobenzene	% Recovery	50-140		90

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to O. Reg. 558 - Schedule IV Leachate Quality Criteria
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.

5689159 Sample was prepared using Regulation 558 protocol and a zero headspace extractor.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



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Exceedance Summary

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
5689136	BH1-SS1	ON T2 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Boron (Hot Water Soluble)	µg/g	1.5	2.17
5689136	BH1-SS1	ON T2 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Copper	µg/g	140	172
5689136	BH1-SS1	ON T2 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Mercury	µg/g	0.27	1.02
5689136	BH1-SS1	ON T2 S RPI CT	O. Reg. 153(511) - OC Pesticides (Soil)	DDE	µg/g	0.26	0.372
5689144	BH5-SS1	ON T2 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Arsenic	µg/g	18	23
5689149	BH9-SS1	ON T2 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity (2:1)	mS/cm	0.7	1.09
5689149	BH9-SS1	ON T2 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	8.38
5689151	BH11-SS1	ON T2 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Zinc	µg/g	340	474
5689152	DUP 1	ON T2 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Boron (Hot Water Soluble)	µg/g	1.5	1.80
5689152	DUP 1	ON T2 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Copper	µg/g	140	196
5689152	DUP 1	ON T2 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Mercury	µg/g	0.27	0.64
5689158	DUP 6	ON T2 S RPI CT	O. Reg. 153(511) - OC Pesticides (Soil)	DDE	µg/g	0.26	0.467

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Quality Assurance

CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T125325
PROJECT: 02211083
ATTENTION TO: Syed Ali
SAMPLING SITE:1393 Grahams Lane, Burlington
SAMPLED BY:

Soil Analysis

RPT Date: Mar 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) - Metals & Inorganics (Soil)															
Antimony	5702313		<0.8	<0.8	NA	< 0.8	128%	70%	130%	104%	80%	120%	95%	70%	130%
Arsenic	5702313		2	2	NA	< 1	121%	70%	130%	104%	80%	120%	110%	70%	130%
Barium	5702313		75.7	52.0	37.1%	< 2.0	100%	70%	130%	101%	80%	120%	90%	70%	130%
Beryllium	5702313		<0.5	<0.5	NA	< 0.5	90%	70%	130%	97%	80%	120%	114%	70%	130%
Boron	5702313		6	6	NA	< 5	82%	70%	130%	95%	80%	120%	96%	70%	130%
Boron (Hot Water Soluble)	5702313		0.34	0.35	NA	< 0.10	82%	60%	140%	99%	70%	130%	94%	60%	140%
Cadmium	5702313		<0.5	<0.5	NA	< 0.5	109%	70%	130%	99%	80%	120%	106%	70%	130%
Chromium	5702313		18	18	NA	< 5	115%	70%	130%	107%	80%	120%	108%	70%	130%
Cobalt	5702313		4.9	4.7	4.2%	< 0.8	110%	70%	130%	107%	80%	120%	104%	70%	130%
Copper	5702313		13.7	15.6	13.0%	< 1.0	100%	70%	130%	104%	80%	120%	102%	70%	130%
Lead	5702313		13	13	0.0%	< 1	109%	70%	130%	106%	80%	120%	103%	70%	130%
Molybdenum	5702313		<0.5	0.6	NA	< 0.5	116%	70%	130%	107%	80%	120%	110%	70%	130%
Nickel	5702313		12	12	0.0%	< 1	110%	70%	130%	107%	80%	120%	100%	70%	130%
Selenium	5702313		<0.8	<0.8	NA	< 0.8	114%	70%	130%	102%	80%	120%	106%	70%	130%
Silver	5702313		<0.5	<0.5	NA	< 0.5	114%	70%	130%	103%	80%	120%	100%	70%	130%
Thallium	5702313		<0.5	<0.5	NA	< 0.5	108%	70%	130%	98%	80%	120%	98%	70%	130%
Uranium	5702313		0.72	0.55	NA	< 0.50	123%	70%	130%	101%	80%	120%	108%	70%	130%
Vanadium	5702313		25.3	24.9	1.6%	< 2.0	126%	70%	130%	114%	80%	120%	110%	70%	130%
Zinc	5702313		60	75	22.2%	< 5	109%	70%	130%	103%	80%	120%	103%	70%	130%
Chromium, Hexavalent	5689154	5689154	<0.2	<0.2	NA	< 0.2	96%	70%	130%	102%	80%	120%	102%	70%	130%
Cyanide, WAD	5693460		<0.040	<0.040	NA	< 0.040	90%	70%	130%	114%	80%	120%	98%	70%	130%
Mercury	5702313		<0.10	<0.10	NA	< 0.10	114%	70%	130%	101%	80%	120%	103%	70%	130%
Electrical Conductivity (2:1)	5689136	5689136	0.368	0.421	13.4%	< 0.005	109%	80%	120%	NA			NA		
Sodium Adsorption Ratio (2:1) (Calc.)	5702313		2.16	2.14	0.9%	NA	NA			NA			NA		
pH, 2:1 CaCl2 Extraction	5693460		6.15	6.37	3.5%	NA	99%	80%	120%	NA			NA		

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

O. Reg. 153(511) - ORPs (Soil)															
pH, 2:1 CaCl2 Extraction	5693460		6.15	6.37	3.5%	NA	99%	80%	120%	NA			NA		

Comments: NA signifies Not Applicable.
pH duplicates QA acceptance criteria was met relative as stated in Table 5-15 of Analytical Protocol document.

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

O. Reg. 153(511) - Metals & Inorganics (Soil)															
Boron (Hot Water Soluble)	5689136	5689136	2.17	2.08	3.9%	< 0.10	80%	60%	140%	100%	70%	130%	NA	60%	140%
Sodium Adsorption Ratio (2:1) (Calc.)	5689136	5689136	0.203	0.192	5.7%	N/A	NA			NA			9%		
pH, 2:1 CaCl2 Extraction	5689151	5689151	8.31	8.47	1.9%		100%	80%	120%	NA			NA		

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Quality Assurance

CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T125325
PROJECT: 02211083
ATTENTION TO: Syed Ali
SAMPLING SITE:1393 Grahams Lane, Burlington
SAMPLED BY:

Soil Analysis (Continued)

RPT Date: Mar 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
Comments: NA signifies Not Applicable. pH duplicates QA acceptance criteria was met relative as stated in Table 5-15 of Analytical Protocol document. Duplicate NA: results are under 5X the RDL and will not be calculated.															
O. Reg. 153(511) - ORPs (Soil)															
pH, 2:1 CaCl2 Extraction	5689151	5689151	8.31	8.47	1.9%		100%	80%	120%	NA			NA		
Comments: NA signifies Not Applicable. pH duplicates QA acceptance criteria was met relative as stated in Table 5-15 of Analytical Protocol document. Duplicate NA: results are under 5X the RDL and will not be calculated.															
O. Reg. 153(511) - Metals & Inorganics (Soil)															
Antimony	5692024		<0.8	<0.8	NA	< 0.8	105%	70%	130%	100%	80%	120%	75%	70%	130%
Arsenic	5692024		8	8	4.1%	< 1	114%	70%	130%	108%	80%	120%	128%	70%	130%
Barium	5692024		52.6	49.6	5.8%	< 2.0	112%	70%	130%	97%	80%	120%	119%	70%	130%
Beryllium	5692024		1.1	1.0	NA	< 0.5	108%	70%	130%	114%	80%	120%	101%	70%	130%
Boron	5692024		21	21	NA	< 5	91%	70%	130%	100%	80%	120%	109%	70%	130%
Cadmium	5692024		<0.5	<0.5	NA	< 0.5	72%	70%	130%	106%	80%	120%	114%	70%	130%
Chromium	5692024		27	27	0.8%	< 5	110%	70%	130%	94%	80%	120%	80%	70%	130%
Cobalt	5692024		16.8	16.0	5.1%	< 0.8	106%	70%	130%	108%	80%	120%	125%	70%	130%
Copper	5692024		36.1	35.5	1.6%	< 1.0	104%	70%	130%	102%	80%	120%	102%	70%	130%
Lead	5692024		7	7	2.4%	< 1	107%	70%	130%	103%	80%	120%	100%	70%	130%
Molybdenum	5692024		0.6	0.5	NA	< 0.5	113%	70%	130%	104%	80%	120%	116%	70%	130%
Nickel	5692024		35	32	8.9%	< 1	107%	70%	130%	97%	80%	120%	105%	70%	130%
Selenium	5692024		<0.8	<0.8	NA	< 0.8	107%	70%	130%	107%	80%	120%	121%	70%	130%
Silver	5692024		<0.5	<0.5	NA	< 0.5	100%	70%	130%	95%	80%	120%	98%	70%	130%
Thallium	5692024		<0.5	<0.5	NA	< 0.5	97%	70%	130%	105%	80%	120%	103%	70%	130%
Uranium	5692024		0.69	0.65	NA	< 0.50	98%	70%	130%	102%	80%	120%	107%	70%	130%
Vanadium	5692024		44.9	44.9	0.1%	< 2.0	116%	70%	130%	108%	80%	120%	89%	70%	130%
Zinc	5692024		76	78	1.8%	< 5	118%	70%	130%	103%	80%	120%	122%	70%	130%
Mercury	5692024		<0.10	<0.10	NA	< 0.10	104%	70%	130%	104%	80%	120%	103%	70%	130%
Comments: NA signifies Not Applicable. pH duplicates QA acceptance criteria was met relative as stated in Table 5-15 of Analytical Protocol document. Duplicate NA: results are under 5X the RDL and will not be calculated.															
O. Reg. 558 - Metals & Inorganics															
Arsenic Leachate	5690427		<0.010	<0.010	NA	< 0.010	101%	70%	130%	116%	80%	120%	120%	70%	130%
Barium Leachate	5690427		0.614	0.647	5.3%	< 0.020	109%	70%	130%	117%	80%	120%	116%	70%	130%
Boron Leachate	5690427		0.206	0.223	NA	< 0.050	103%	70%	130%	117%	80%	120%	118%	70%	130%
Cadmium Leachate	5690427		<0.010	<0.010	NA	< 0.010	100%	70%	130%	112%	80%	120%	112%	70%	130%
Chromium Leachate	5690427		<0.050	<0.050	NA	< 0.050	99%	70%	130%	111%	80%	120%	106%	70%	130%
Lead Leachate	5690427		<0.010	<0.010	NA	< 0.010	103%	70%	130%	114%	80%	120%	110%	70%	130%
Mercury Leachate	5690427		<0.01	<0.01	NA	< 0.01	NA	70%	130%	108%	80%	120%	110%	70%	130%

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Quality Assurance

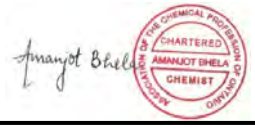
CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T125325
PROJECT: 02211083
ATTENTION TO: Syed Ali
SAMPLING SITE:1393 Grahams Lane, Burlington
SAMPLED BY:

Soil Analysis (Continued)

RPT Date: Mar 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
Selenium Leachate	5690427		<0.020	<0.020	NA	< 0.020	96%	70%	130%	116%	80%	120%	116%	70%	130%
Silver Leachate	5690427		<0.010	<0.010	NA	< 0.010	104%	70%	130%	113%	80%	120%	104%	70%	130%
Uranium Leachate	5690427		<0.050	<0.050	NA	< 0.050	99%	70%	130%	116%	80%	120%	118%	70%	130%
Fluoride Leachate	5690427		0.37	0.37	NA	< 0.10	NA	90%	110%	93%	90%	110%	94%	70%	130%
Cyanide Leachate	5689159		NA	NA	NA	< 0.05	99%	70%	130%	106%	80%	120%	NA	70%	130%
(Nitrate + Nitrite) as N Leachate	5690427		<0.70	<0.70	NA	< 0.70	100%	80%	120%	100%	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:



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Quality Assurance

CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T125325
PROJECT: 02211083
ATTENTION TO: Syed Ali
SAMPLING SITE:1393 Grahams Lane, Burlington
SAMPLED BY:

Trace Organics Analysis

RPT Date: Mar 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 (with PAHs and VOC) (Soil)															
F1 (C6 to C10)	5689156	5689156	<5	<5	NA	< 5	96%	60%	140%	87%	60%	140%	96%	60%	140%
F2 (C10 to C16)	5676428		< 10	< 10	NA	< 10	118%	60%	140%	108%	60%	140%	104%	60%	140%
F3 (C16 to C34)	5676428		< 50	< 50	NA	< 50	121%	60%	140%	106%	60%	140%	116%	60%	140%
F4 (C34 to C50)	5676428		< 50	< 50	NA	< 50	61%	60%	140%	76%	60%	140%	101%	60%	140%
O. Reg. 153(511) - PAHs (Soil)															
Naphthalene	5689153	5689153	<0.05	<0.05	NA	< 0.05	97%	50%	140%	85%	50%	140%	73%	50%	140%
Acenaphthylene	5689153	5689153	<0.05	<0.05	NA	< 0.05	96%	50%	140%	80%	50%	140%	75%	50%	140%
Acenaphthene	5689153	5689153	<0.05	<0.05	NA	< 0.05	102%	50%	140%	93%	50%	140%	105%	50%	140%
Fluorene	5689153	5689153	<0.05	<0.05	NA	< 0.05	109%	50%	140%	93%	50%	140%	95%	50%	140%
Phenanthrene	5689153	5689153	<0.05	<0.05	NA	< 0.05	113%	50%	140%	98%	50%	140%	90%	50%	140%
Anthracene	5689153	5689153	<0.05	<0.05	NA	< 0.05	109%	50%	140%	90%	50%	140%	80%	50%	140%
Fluoranthene	5689153	5689153	<0.05	<0.05	NA	< 0.05	117%	50%	140%	93%	50%	140%	85%	50%	140%
Pyrene	5689153	5689153	<0.05	<0.05	NA	< 0.05	115%	50%	140%	93%	50%	140%	85%	50%	140%
Benz(a)anthracene	5689153	5689153	<0.05	<0.05	NA	< 0.05	90%	50%	140%	95%	50%	140%	75%	50%	140%
Chrysene	5689153	5689153	<0.05	<0.05	NA	< 0.05	115%	50%	140%	93%	50%	140%	78%	50%	140%
Benzo(b)fluoranthene	5689153	5689153	<0.05	<0.05	NA	< 0.05	79%	50%	140%	93%	50%	140%	100%	50%	140%
Benzo(k)fluoranthene	5689153	5689153	<0.05	<0.05	NA	< 0.05	88%	50%	140%	85%	50%	140%	85%	50%	140%
Benzo(a)pyrene	5689153	5689153	<0.05	<0.05	NA	< 0.05	85%	50%	140%	75%	50%	140%	75%	50%	140%
Indeno(1,2,3-cd)pyrene	5689153	5689153	<0.05	<0.05	NA	< 0.05	75%	50%	140%	70%	50%	140%	80%	50%	140%
Dibenz(a,h)anthracene	5689153	5689153	<0.05	<0.05	NA	< 0.05	71%	50%	140%	68%	50%	140%	73%	50%	140%
Benzo(g,h,i)perylene	5689153	5689153	<0.05	<0.05	NA	< 0.05	98%	50%	140%	78%	50%	140%	83%	50%	140%
O. Reg. 153(511) - VOCs (with PHC) (Soil)															
Dichlorodifluoromethane	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	89%	50%	140%	99%	50%	140%	100%	50%	140%
Vinyl Chloride	5689156	5689156	< 0.02	< 0.02	NA	< 0.02	81%	50%	140%	102%	50%	140%	99%	50%	140%
Bromomethane	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	115%	50%	140%	105%	50%	140%	81%	50%	140%
Trichlorofluoromethane	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	109%	50%	140%	109%	50%	140%	103%	50%	140%
Acetone	5689156	5689156	< 0.50	< 0.50	NA	< 0.50	91%	50%	140%	58%	50%	140%	108%	50%	140%
1,1-Dichloroethylene	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	80%	50%	140%	83%	60%	130%	101%	50%	140%
Methylene Chloride	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	97%	50%	140%	88%	60%	130%	83%	50%	140%
Trans- 1,2-Dichloroethylene	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	96%	50%	140%	88%	60%	130%	94%	50%	140%
Methyl tert-butyl Ether	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	107%	50%	140%	98%	60%	130%	83%	50%	140%
1,1-Dichloroethane	5689156	5689156	< 0.02	< 0.02	NA	< 0.02	104%	50%	140%	92%	60%	130%	96%	50%	140%
Methyl Ethyl Ketone	5689156	5689156	< 0.50	< 0.50	NA	< 0.50	95%	50%	140%	107%	50%	140%	103%	50%	140%
Cis- 1,2-Dichloroethylene	5689156	5689156	< 0.02	< 0.02	NA	< 0.02	77%	50%	140%	84%	60%	130%	86%	50%	140%
Chloroform	5689156	5689156	< 0.04	< 0.04	NA	< 0.04	91%	50%	140%	107%	60%	130%	92%	50%	140%
1,2-Dichloroethane	5689156	5689156	< 0.03	< 0.03	NA	< 0.03	71%	50%	140%	90%	60%	130%	98%	50%	140%
1,1,1-Trichloroethane	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	87%	50%	140%	108%	60%	130%	105%	50%	140%
Carbon Tetrachloride	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	89%	50%	140%	89%	60%	130%	107%	50%	140%

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Quality Assurance

CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T125325
PROJECT: 02211083
ATTENTION TO: Syed Ali
SAMPLING SITE:1393 Grahams Lane, Burlington
SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Mar 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
Benzene	5689156	5689156	< 0.02	< 0.02	NA	< 0.02	103%	50%	140%	101%	60%	130%	93%	50%	140%
1,2-Dichloropropane	5689156	5689156	< 0.03	< 0.03	NA	< 0.03	100%	50%	140%	99%	60%	130%	84%	50%	140%
Trichloroethylene	5689156	5689156	< 0.03	< 0.03	NA	< 0.03	94%	50%	140%	88%	60%	130%	103%	50%	140%
Bromodichloromethane	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	91%	50%	140%	69%	60%	130%	92%	50%	140%
Methyl Isobutyl Ketone	5689156	5689156	< 0.50	< 0.50	NA	< 0.50	85%	50%	140%	112%	50%	140%	95%	50%	140%
1,1,2-Trichloroethane	5689156	5689156	< 0.04	< 0.04	NA	< 0.04	88%	50%	140%	96%	60%	130%	92%	50%	140%
Toluene	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	90%	50%	140%	88%	60%	130%	100%	50%	140%
Dibromochloromethane	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	88%	50%	140%	99%	60%	130%	107%	50%	140%
Ethylene Dibromide	5689156	5689156	< 0.04	< 0.04	NA	< 0.04	87%	50%	140%	73%	60%	130%	101%	50%	140%
Tetrachloroethylene	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	82%	50%	140%	92%	60%	130%	102%	50%	140%
1,1,1,2-Tetrachloroethane	5689156	5689156	< 0.04	< 0.04	NA	< 0.04	100%	50%	140%	100%	60%	130%	85%	50%	140%
Chlorobenzene	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	81%	50%	140%	86%	60%	130%	102%	50%	140%
Ethylbenzene	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	93%	50%	140%	104%	60%	130%	90%	50%	140%
m & p-Xylene	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	91%	50%	140%	114%	60%	130%	102%	50%	140%
Bromoform	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	91%	50%	140%	93%	60%	130%	102%	50%	140%
Styrene	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	82%	50%	140%	96%	60%	130%	85%	50%	140%
1,1,2,2-Tetrachloroethane	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	102%	50%	140%	101%	60%	130%	91%	50%	140%
o-Xylene	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	91%	50%	140%	86%	60%	130%	105%	50%	140%
1,3-Dichlorobenzene	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	101%	50%	140%	89%	60%	130%	91%	50%	140%
1,4-Dichlorobenzene	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	97%	50%	140%	83%	60%	130%	98%	50%	140%
1,2-Dichlorobenzene	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	103%	50%	140%	93%	60%	130%	92%	50%	140%
n-Hexane	5689156	5689156	< 0.05	< 0.05	NA	< 0.05	89%	50%	140%	86%	60%	130%	66%	50%	140%
O. Reg. 153(511) - PCBs (Soil)															
Polychlorinated Biphenyls	5689151	5689151	< 0.1	< 0.1	NA	< 0.1	108%	50%	140%	100%	50%	140%	88%	50%	140%
O. Reg. 153(511) - OC Pesticides (Soil)															
Hexachloroethane	5689092		< 0.005	< 0.005	NA	< 0.005	94%	50%	140%	103%	50%	140%	94%	50%	140%
Gamma-Hexachlorocyclohexane	5689092		< 0.005	< 0.005	NA	< 0.005	98%	50%	140%	85%	50%	140%	80%	50%	140%
Heptachlor	5689092		< 0.005	< 0.005	NA	< 0.005	86%	50%	140%	82%	50%	140%	86%	50%	140%
Aldrin	5689092		< 0.005	< 0.005	NA	< 0.005	109%	50%	140%	89%	50%	140%	82%	50%	140%
Heptachlor Epoxide	5689092		< 0.005	< 0.005	NA	< 0.005	99%	50%	140%	90%	50%	140%	92%	50%	140%
Endosulfan I	5689092		< 0.005	< 0.005	NA	< 0.005	102%	50%	140%	84%	50%	140%	85%	50%	140%
Endosulfan II	5689092		< 0.005	< 0.005	NA	< 0.005	91%	50%	140%	90%	50%	140%	96%	50%	140%
Alpha-Chlordane	5689092		< 0.005	< 0.005	NA	< 0.005	108%	50%	140%	83%	50%	140%	82%	50%	140%
gamma-Chlordane	5689092		< 0.005	< 0.005	NA	< 0.005	101%	50%	140%	84%	50%	140%	83%	50%	140%
op'-DDE	5689092		< 0.005	< 0.005	NA	< 0.005	88%	50%	140%	103%	50%	140%	98%	50%	140%
pp'-DDE	5689092		< 0.005	< 0.005	NA	< 0.005	99%	50%	140%	83%	50%	140%	82%	50%	140%
op'-DDD	5689092		< 0.005	< 0.005	NA	< 0.005	90%	50%	140%	102%	50%	140%	92%	50%	140%
pp'-DDD	5689092		< 0.005	< 0.005	NA	< 0.005	102%	50%	140%	90%	50%	140%	96%	50%	140%
op'-DDT	5689092		< 0.005	< 0.005	NA	< 0.005	102%	50%	140%	86%	50%	140%	82%	50%	140%

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Quality Assurance

CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T125325
PROJECT: 02211083
ATTENTION TO: Syed Ali
SAMPLING SITE:1393 Grahams Lane, Burlington
SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Mar 07, 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
pp'-DDT	5689092		< 0.005	< 0.005	NA	< 0.005	107%	50%	140%	94%	50%	140%	92%	50%	140%
Dieldrin	5689092		< 0.005	< 0.005	NA	< 0.005	102%	50%	140%	89%	50%	140%	80%	50%	140%
Endrin	5689092		< 0.005	< 0.005	NA	< 0.005	95%	50%	140%	88%	50%	140%	79%	50%	140%
Methoxychlor	5689092		< 0.005	< 0.005	NA	< 0.005	97%	50%	140%	102%	50%	140%	80%	50%	140%
Hexachlorobenzene	5689092		< 0.005	< 0.005	NA	< 0.005	101%	50%	140%	102%	50%	140%	104%	50%	140%
Hexachlorobutadiene	5689092		< 0.01	< 0.01	NA	< 0.01	104%	50%	140%	98%	50%	140%	92%	50%	140%
O. Reg. 153(511) - PHCs F1 - F4 (with VOC) (Soil)															
F1 (C6 to C10)	5689156	5689156	<5	<5	NA	< 5	96%	60%	140%	87%	60%	140%	96%	60%	140%
O. Reg. 558 - VOCs															
Vinyl Chloride Leachate	5690567		<0.030	<0.030	NA	< 0.030	69%	50%	140%	75%	50%	140%	75%	50%	140%
1,1 Dichloroethene Leachate	5690567		<0.020	<0.020	NA	< 0.020	88%	50%	140%	80%	60%	130%	105%	50%	140%
Dichloromethane Leachate	5690567		<0.030	<0.030	NA	< 0.030	97%	50%	140%	112%	60%	130%	119%	50%	140%
Methyl Ethyl Ketone Leachate	5690567		<0.090	<0.090	NA	< 0.090	101%	50%	140%	97%	50%	140%	106%	50%	140%
Chloroform Leachate	5690567		<0.020	<0.020	NA	< 0.020	115%	50%	140%	116%	60%	130%	120%	50%	140%
1,2-Dichloroethane Leachate	5690567		<0.020	<0.020	NA	< 0.020	118%	50%	140%	104%	60%	130%	93%	50%	140%
Carbon Tetrachloride Leachate	5690567		<0.020	<0.020	NA	< 0.020	94%	50%	140%	113%	60%	130%	100%	50%	140%
Benzene Leachate	5690567		<0.020	<0.020	NA	< 0.020	109%	50%	140%	95%	60%	130%	117%	50%	140%
Trichloroethene Leachate	5690567		<0.020	<0.020	NA	< 0.020	118%	50%	140%	108%	60%	130%	101%	50%	140%
Tetrachloroethene Leachate	5690567		<0.050	<0.050	NA	< 0.050	97%	50%	140%	115%	60%	130%	100%	50%	140%
Chlorobenzene Leachate	5690567		<0.010	<0.010	NA	< 0.010	100%	50%	140%	110%	60%	130%	92%	50%	140%
1,2-Dichlorobenzene Leachate	5690567		<0.010	<0.010	NA	< 0.010	109%	50%	140%	104%	60%	130%	101%	50%	140%
1,4-Dichlorobenzene Leachate	5690567		<0.010	<0.010	NA	< 0.010	109%	50%	140%	100%	60%	130%	106%	50%	140%
O. Reg. 558 - Benzo(a) pyrene															
Benzo(a)pyrene Leachate	5686282		< 0.001	< 0.001	NA	< 0.001	85%	50%	140%	76%	50%	140%	83%	50%	140%
O. Reg. 558 - PCBs															
PCB's Leachate	5679879		< 0.005	< 0.005	NA	< 0.005	103%	50%	140%	99%	50%	140%	90%	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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Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Antimony	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Arsenic	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Barium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Beryllium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Boron	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Boron (Hot Water Soluble)	MET-93-6104	modified from EPA 6010D and MSA PART 3, CH 21	ICP/OES
Cadmium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Chromium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Cobalt	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Copper	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Lead	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Molybdenum	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Nickel	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Selenium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Silver	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Thallium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Uranium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Vanadium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Zinc	MET 93 -6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Chromium, Hexavalent	INOR-93-6068	modified from EPA 3060 and EPA 7196	SPECTROPHOTOMETER
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015, SM 4500-CN- I, G-387	SEGMENTED FLOW ANALYSIS
Mercury	MET-93-6103	modified from EPA 7471B and SM 3112 B	ICP-MS
Electrical Conductivity (2:1)	INOR-93-6075	modified from MSA PART 3, CH 14 and SM 2510 B	PC TITRATE
Sodium Adsorption Ratio (2:1) (Calc.)	INOR-93-6007	modified from EPA 6010D & Analytical Protocol	ICP/OES
pH, 2:1 CaCl2 Extraction	INOR-93-6075	modified from EPA 9045D, MCKEAGUE 3.11 E3137	PC TITRATE
Arsenic Leachate	MET-93-6103	EPA 1311 & modified from EPA 6020B	ICP-MS
Barium Leachate	MET-93-6103	EPA 1311 & modified from EPA 6020B	ICP-MS
Boron Leachate	MET-93-6103	EPA 1311 & modified from EPA 6020B	ICP-MS
Cadmium Leachate	MET-93-6103	EPA 1311 & modified from EPA 6020B	ICP-MS
Chromium Leachate	MET-93-6103	EPA 1311 & modified from EPA 6020B	ICP-MS

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Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Lead Leachate	MET-93-6103	EPA 1311 & modified from EPA 6020B	ICP-MS
Mercury Leachate	MET-93-6103	EPA 1311 & modified from EPA 6020B	ICP-MS
Selenium Leachate	MET-93-6103	EPA 1311 & modified from EPA 6020B	ICP-MS
Silver Leachate	MET-93-6103	EPA 1311 & modified from EPA 6020B	ICP-MS
Uranium Leachate	MET-93-6103	EPA 1311 & modified from EPA 6020B	ICP-MS
Fluoride Leachate	INOR-93-6000	EPA SW 846-1311; SM 4500F-C	ION SELECTIVE ELECTRODE
Cyanide Leachate	INOR-93-6052	EPA 1311 modified from MOE 3015 SM 4500 CN-I,G387	SEGMENTED FLOW ANALYSIS
(Nitrate + Nitrite) as N Leachate	INOR-93-6053	EPA SW 846-1311 & modified from SM 4500 - NO3- I	LACHAT FIA

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SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

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

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: ENGLOBE CORP.
AGAT WORK ORDER: 24T125325
PROJECT: 02211083
ATTENTION TO: Syed Ali
SAMPLING SITE:1393 Grahams Lane, Burlington
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
wet weight OC	ORG-91-5113		BALANCE
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
Benz(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
Polychlorinated Biphenyls	ORG-91-5113	modified from EPA SW-846 3570 & 8082A	GC/ECD
Decachlorobiphenyl	ORG-91-5113	modified from EPA SW-846 3541 & 8082A	GC/ECD
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE

Results relate only to the items tested. Results apply to samples as received.

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Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
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

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Method Summary

CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T125325
PROJECT: 02211083
ATTENTION TO: Syed Ali
SAMPLING SITE:1393 Grahams Lane, Burlington
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
1,1,1,2-Tetrachloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Chlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
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
Benzo(a)pyrene Leachate	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
Naphthalene-d8	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
PCB's Leachate	ORG-91-5112	Regulation 558, EPA SW846 3510C/8082	GC/ECD
Decachlorobiphenyl	ORG-91-5112	EPA SW846 3510C/8082	GC/ECD
Vinyl Chloride Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & EPA 8260D	(P&T)GC/MS
1,1 Dichloroethene Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & EPA 8260D	(P&T)GC/MS
Dichloromethane Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & EPA 8260D	(P&T)GC/MS
Methyl Ethyl Ketone Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & EPA 8260D	(P&T)GC/MS
Chloroform Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & EPA 8260D	(P&T)GC/MS
1,2-Dichloroethane Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & 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: ENGLOBE CORP.

AGAT WORK ORDER: 24T125325

PROJECT: 02211083

ATTENTION TO: Syed Ali

SAMPLING SITE:1393 Grahams Lane, Burlington

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Carbon Tetrachloride Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & EPA 8260D	(P&T)GC/MS
Benzene Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & EPA 8260D	(P&T)GC/MS
Trichloroethene Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & EPA 8260D	(P&T)GC/MS
Tetrachloroethene Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & EPA 8260D	(P&T)GC/MS
Chlorobenzene Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & EPA 8260D	(P&T)GC/MS
1,2-Dichlorobenzene Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & EPA 8260D	(P&T)GC/MS
1,4-Dichlorobenzene Leachate	VOL-91-5001	EPA 1311, modified from EPA 5030C & 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.

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: Englobe
Contact: Syed Ali
Address: 20 Carlson Court, Etobicoke
Phone: Fax:
Reports to be sent to:
1. Email: Syed.ali@englobecorp.com
2. Email:

Project Information:

Project: 02211683
Site Location: 1393 Grahams Lane, Burlington
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:
Email:

Regulatory Requirements:

(Please check all applicable boxes)

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

☐ Regulation 406
Table ____ *Indicate One*
☐ Regulation 558
☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
____ *Region*
☐ Prov. Water Quality Objectives (PWQO)
☐ Other Table 2 RPI CT *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 #: 24T125325
Cooler Quantity: 2 large
Arrival Temperatures: 2.7 | 2.4 | 2.9 | 4.3 | 4.9 | 4.1
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: nil

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 SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Regulation 406 Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: ☐ Moisture ☐ Sulphide	PHC	OCP					Potentially Hazardous or High Concentration (Y/N)
1. BH1-SS1	02.29.24	AM/PM	5	S			✓		✓	✓	✓	✓				1		✓	✓					
2. BH1-SS5	"	AM/PM	1	"														✓						
3. BH2-SS1	"	AM/PM	6	"			✓		✓	✓	✓	✓							✓					
4. BH3-SS1	"	AM/PM	5	"			✓		✓	✓	✓	✓												
5. BH3-SS5	"	AM/PM	1	"														✓						
6. BH4-SS1	"	AM/PM	5	"			✓		✓	✓	✓	✓												
7. BH4-SS5	"	AM/PM	1	"														✓						
8. BH5-SS1	"	AM/PM	5	"			✓		✓	✓	✓	✓												
9. BH6-SS1	"	AM/PM	5	"			✓		✓	✓	✓	✓												
10. BH7-SS1	"	AM/PM	5	"			✓		✓	✓	✓	✓												
11. BH7-SS5	"	AM/PM	1	"														✓						

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Ishita Patel	02.29.24	4:47	Tiffa	Feb 29	4:55 pm

Page 1 of 2

N°: T-153194

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

Document ID: DM-78-1013.023

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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: Englobe
Contact: Syed Ali
Address: 20 Carlson Court, Etobicoke
Phone: Fax:
Reports to be sent to:
1. Email: Syed.ali@englobecorp.com
2. Email:

Project Information:

Project: 02211083
Site Location: 1393 Grahams Lane, Burlington
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:
Email:

Regulatory Requirements:

(Please check all applicable boxes)

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

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

☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
____ *Region*
☐ Prov. Water Quality Objectives (PWQO)
☐ Other Table 2RPICT *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 #: 24T125325
Cooler Quantity:
Arrival Temperatures: Sleeping
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	VOC	PAHs	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 ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP: ☑ M&I ☑ VOCs ☐ ABNs ☑ B(a)P ☑ PCBs	Corrosivity: ☐ Moisture ☐ Sulphide	PH	OCP					Potentially Hazardous or High Concentration (Y/N)
1. BH 8 - SS1	02.29.24	AM PM	5	S			✓		✓	✓	✓	✓											
2. BH 9 - SS1	"	AM PM	5	"			✓		✓	✓	✓	✓											
3. BH 10 - SS1	"	AM PM	5	"			✓		✓	✓	✓	✓											
4. BH 11 - SS1	"	AM PM	5	"			✓		✓	✓	✓	✓											
5. DUP1	"	AM PM	5	"			✓		✓	✓	✓	✓											
6. DUP 2	"	AM PM	5	"			✓		✓	✓	✓	✓											
7. DUP 3	"	AM PM	5	"			✓		✓	✓	✓	✓											
8. DUP 4	"	AM PM	1	"														✓					
9. DUP5	"	AM PM	2	"					✓	✓													
10. DUP6	"	AM PM	1	"															✓				
11. TCLP1	"	AM PM	4	"												✓							

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Ishita Patel	02.29.24	4:47	Tiffa	Feb 29	4:55

Page 2 of 2

N°: T-153570

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Document ID: DW-78-1511.023

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Date Issued: Jan 19, 2024

AGAT Laboratories

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CLIENT NAME: ENGLOBE CORP.
20, CARLSON COURT
ETOBICOKE, ON M9W 7K6
416 301-5909

ATTENTION TO: Syed Ali

PROJECT: 02211083.001

AGAT WORK ORDER: 24T129647

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

WATER ANALYSIS REVIEWED BY: Yris Verastegui, Inorganic Team Lead

DATE REPORTED: Mar 20, 2024

PAGES (INCLUDING COVER): 23

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.

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Environmental Services Association of Alberta (ESAA)

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Certificate of Analysis

AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

O. Reg. 153(511) - OC Pesticides (Water)

DATE RECEIVED: 2024-03-14

DATE REPORTED: 2024-03-20

		SAMPLE DESCRIPTION:		MW1	MW2	Dup1
		SAMPLE TYPE:		Water	Water	Water
		DATE SAMPLED:		2024-03-14	2024-03-14	2024-03-14
Parameter	Unit	G / S	RDL	5726970	5726973	5726984
Gamma-Hexachlorocyclohexane	µg/L	1.2	0.01	<0.01	<0.01	<0.01
Heptachlor	µg/L	1.5	0.01	<0.01	<0.01	<0.01
Aldrin	µg/L	0.35	0.01	<0.01	<0.01	<0.01
Heptachlor Epoxide	µg/L	0.048	0.01	<0.01	<0.01	<0.01
Endosulfan I	µg/L		0.05	<0.05	<0.05	<0.05
Endosulfan II	µg/L		0.05	<0.05	<0.05	<0.05
Endosulfan	µg/L	1.5	0.05	<0.05	<0.05	<0.05
alpha - chlordane	µg/L		0.04	<0.04	<0.04	<0.04
gamma-Chlordane	µg/L		0.04	<0.04	<0.04	<0.04
Chlordane	µg/L	7	0.04	<0.04	<0.04	<0.04
op'-DDE	µg/L		0.01	<0.01	<0.01	<0.01
pp'-DDE	µg/L		0.01	<0.01	<0.01	<0.01
DDE	µg/L	10	0.01	<0.01	<0.01	<0.01
op'-DDD	µg/L		0.05	<0.05	<0.05	<0.05
pp'-DDD	µg/L		0.05	<0.05	<0.05	<0.05
DDD	µg/L	10	0.05	<0.05	<0.05	<0.05
op'-DDT	µg/L		0.04	<0.04	<0.04	<0.04
pp'-DDT	µg/L		0.05	<0.05	<0.05	<0.05
DDT	µg/L	2.8	0.04	<0.04	<0.04	<0.04
Dieldrin	µg/L	0.35	0.02	<0.02	<0.02	<0.02
Endrin	µg/L	0.48	0.05	<0.05	<0.05	<0.05
Methoxychlor	µg/L	6.5	0.04	<0.04	<0.04	<0.04
Hexachlorobenzene	ug/L	1	0.01	<0.01	<0.01	<0.01
Hexachlorobutadiene	ug/L	0.44	0.01	<0.01	<0.01	<0.01
Hexachloroethane	ug/L	2.1	0.01	<0.01	<0.01	<0.01
Surrogate	Unit	Acceptable Limits				
TCMX	%	50-140		79	88	103
Decachlorobiphenyl	%	60-140		95	80	97

Certified By:

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AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

O. Reg. 153(511) - OC Pesticides (Water)

DATE RECEIVED: 2024-03-14

DATE REPORTED: 2024-03-20

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 - 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.

5726970-5726984 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: N Popowkolof

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AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

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

DATE RECEIVED: 2024-03-14

DATE REPORTED: 2024-03-20

		SAMPLE DESCRIPTION:		MW1	MW2	MW5	MW6	MW7	MW8	MW9	Dup1
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14
Parameter	Unit	G / S	RDL	5726970	5726973	5726974	5726975	5726976	5726977	5726978	5726984
Naphthalene	µg/L	11	0.20	<0.20	<0.20	<0.20	<0.20	4.48	<0.20	<0.20	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20	<0.20	<0.20	<0.20	0.23	<0.20	<0.20	<0.20
Acenaphthene	µg/L	4.1	0.20	<0.20	<0.20	<0.20	<0.20	1.59	<0.20	<0.20	<0.20
Fluorene	µg/L	120	0.20	<0.20	<0.20	<0.20	<0.20	2.21	<0.20	<0.20	<0.20
Phenanthrene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	1.83	<0.10	<0.10	<0.10
Anthracene	µg/L	2.4	0.10	<0.10	<0.10	<0.10	<0.10	0.13	<0.10	<0.10	<0.10
Fluoranthene	µg/L	0.41	0.20	<0.20	<0.20	<0.20	<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	<0.20	<0.20	<0.20	<0.20
Benzo(a)anthracene	µg/L	1	0.20	<0.20	<0.20	<0.20	<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	<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	<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	<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	<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	<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	<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	<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	<0.20	28.5	<0.20	<0.20	<0.20
Sediment				1	1	1	1	1	1	3	1
Surrogate	Unit	Acceptable Limits									
Naphthalene-d8	%	50-140		113	97	105	110	89	107	106	105
Acridine-d9	%	50-140		92	81	102	88	85	85	83	85
Terphenyl-d14	%	50-140		90	90	99	85	84	80	80	82

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.

5726970-5726984 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: NPopowkolof

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AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

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

DATE RECEIVED: 2024-03-14

DATE REPORTED: 2024-03-20

		SAMPLE DESCRIPTION:		MW1	MW2	MW5	MW6	MW7	MW8	MW9	Dup1
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14
Parameter	Unit	G / S	RDL	5726970	5726973	5726974	5726975	5726976	5726977	5726978	5726984
Polychlorinated Biphenyls	µg/L	3	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate	Unit	Acceptable Limits									
Decachlorobiphenyl	%	60-140		95	80	97	88	78	91	108	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 - 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.

5726970-5726984 PCB total is a calculated parameter. The calculated value is the sum of Aroclor 1242, Aroclor 1248, Aroclor 1254 and Aroclor 1260.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popowkolof

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AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

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

DATE RECEIVED: 2024-03-14

DATE REPORTED: 2024-03-20

		SAMPLE DESCRIPTION:		MW1	MW2	MW5	MW6	MW7	MW8	MW9	Dup1
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14
Parameter	Unit	G / S	RDL	5726970	5726973	5726974	5726975	5726976	5726977	5726978	5726984
F1 (C6 to C10)	µg/L	750	25	<25	<25	<25	<25	78	<25	<25	<25
F1 (C6 to C10) minus BTEX	µg/L	750	25	<25	<25	<25	<25	32	<25	<25	<25
F2 (C10 to C16)	µg/L	150	100	<100	<100	<100	<100	883	<100	<100	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100	<100	<100	<100	<100	879	<100	<100	<100
F3 (C16 to C34)	µg/L	500	100	<100	<100	<100	<100	267	<100	<100	<100
F3 (C16 to C34) minus PAHs	µg/L		100	<100	<100	<100	<100	265	<100	<100	<100
F4 (C34 to C50)	µg/L	500	100	<100	<100	<100	<100	<100	<100	<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500	NA	NA	NA	NA	NA	NA	NA	NA
Sediment				1	1	1	1	1	1	3	1
Surrogate	Unit	Acceptable Limits									
Toluene-d8	%	50-140		99	99	100	99	102	100	100	98
Terphenyl	% Recovery	60-140		66	95	91	88	97	100	86	82

Certified By:

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PROJECT: 02211083.001

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

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

DATE RECEIVED: 2024-03-14

DATE REPORTED: 2024-03-20

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 - 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.

5726970-5726984 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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AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

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

DATE RECEIVED: 2024-03-14

DATE REPORTED: 2024-03-20

		SAMPLE DESCRIPTION:		VOC Trip Blank
		SAMPLE TYPE:		Water
		DATE SAMPLED:		
Parameter	Unit	G / S	RDL	5726990
Dichlorodifluoromethane	µg/L		0.40	<0.40
Vinyl Chloride	µg/L		0.17	<0.17
Bromomethane	µg/L		0.20	<0.20
Trichlorofluoromethane	µg/L		0.40	<0.40
Acetone	µg/L		1.0	<1.0
1,1-Dichloroethylene	µg/L		0.30	<0.30
Methylene Chloride	µg/L		0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L		0.20	<0.20
Methyl tert-butyl ether	µg/L		0.20	<0.20
1,1-Dichloroethane	µg/L		0.30	<0.30
Methyl Ethyl Ketone	µg/L		1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L		0.20	<0.20
Chloroform	µg/L		0.20	<0.20
1,2-Dichloroethane	µg/L		0.20	<0.20
1,1,1-Trichloroethane	µg/L		0.30	<0.30
Carbon Tetrachloride	µg/L		0.20	<0.20
Benzene	µg/L		0.20	<0.20
1,2-Dichloropropane	µg/L		0.20	<0.20
Trichloroethylene	µg/L		0.20	<0.20
Bromodichloromethane	µg/L		0.20	<0.20
Methyl Isobutyl Ketone	µg/L		1.0	<1.0
1,1,2-Trichloroethane	µg/L		0.20	<0.20
Toluene	µg/L		0.20	<0.20
Dibromochloromethane	µg/L		0.10	<0.10
Ethylene Dibromide	µg/L		0.10	<0.10
Tetrachloroethylene	µg/L		0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L		0.10	<0.10
Chlorobenzene	µg/L		0.10	<0.10
Ethylbenzene	µg/L		0.10	<0.10
m & p-Xylene	µg/L		0.20	<0.20

Certified By: NPopowkolof

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Certificate of Analysis

AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

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

DATE RECEIVED: 2024-03-14

DATE REPORTED: 2024-03-20

		SAMPLE DESCRIPTION:		VOC Trip Blank
		SAMPLE TYPE:		Water
		DATE SAMPLED:		
Parameter	Unit	G / S	RDL	5726990
Bromoform	µg/L		0.10	<0.10
Styrene	µg/L		0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L		0.10	<0.10
o-Xylene	µg/L		0.10	<0.10
1,3-Dichlorobenzene	µg/L		0.10	<0.10
1,4-Dichlorobenzene	µg/L		0.10	<0.10
1,2-Dichlorobenzene	µg/L		0.10	<0.10
1,3-Dichloropropene	µg/L		0.30	<0.30
Xylenes (Total)	µg/L		0.20	<0.20
n-Hexane	µg/L		0.20	<0.20
Surrogate	Unit	Acceptable Limits		
Toluene-d8	% Recovery	50-140		100
4-Bromofluorobenzene	% Recovery	50-140		90

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

5726990 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 Popowkolof

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: 24T129647

PROJECT: 02211083.001

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

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

DATE RECEIVED: 2024-03-14

DATE REPORTED: 2024-03-20

		SAMPLE DESCRIPTION:		MW1	MW2	MW5	MW6	MW7	MW8	MW9	Dup1
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14
Parameter	Unit	G / S	RDL	5726970	5726973	5726974	5726975	5726976	5726977	5726978	5726984
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	0.5	0.17	<0.17	<0.17	<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	<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	1.6	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	1.6	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	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	1.6	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	µg/L	2.4	0.20	<0.20	<0.20	<0.20	<0.20	4.74	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	1.6	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
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	0.79	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	0.41	<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	1.6	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	3.12	<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	4.7	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	4.23	<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	1.6	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	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	5.87	<0.10	<0.10	<0.10
m & p-Xylene	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	22.2	<0.20	<0.20	<0.20

Certified By: NPopowkolof

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Certificate of Analysis

AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

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

DATE RECEIVED: 2024-03-14

DATE REPORTED: 2024-03-20

		SAMPLE DESCRIPTION:		MW1	MW2	MW5	MW6	MW7	MW8	MW9	Dup1
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14
Parameter	Unit	G / S	RDL	5726970	5726973	5726974	5726975	5726976	5726977	5726978	5726984
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	13.3	<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	35.5	<0.20	<0.20	<0.20
n-Hexane	µg/L	51	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	Unit	Acceptable Limits									
Toluene-d8	% Recovery	50-140		99	99	100	99	102	100	100	98
4-Bromofluorobenzene	% Recovery	50-140		88	90	92	91	94	88	89	89

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.

5726970-5726984 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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Certificate of Analysis

AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

O. Reg. 153(511) - Metals (Including Hydrides) (Water)

DATE RECEIVED: 2024-03-14

DATE REPORTED: 2024-03-20

		SAMPLE DESCRIPTION:		MW1	MW2	MW5	MW6	MW7	MW8	MW9	Dup1
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14	2024-03-14
Parameter	Unit	G / S	RDL	5726970	5726973	5726974	5726975	5726976	5726977	5726978	5726984
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	4.9	1.3	<1.0	1.2	<1.0	<1.0	<1.0	1.4
Dissolved Barium	µg/L	1000	2.0	35.4	51.8	78.4	48.2	29.0	80.1	204	52.7
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	889	605	460	2470	134	1210	761	623
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	0.79	<0.50	<0.50	<0.50	1.73	1.44	1.03
Dissolved Copper	µg/L	87	1.0	1.8	1.7	1.8	1.2	2.4	2.4	2.7	1.1
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	5.46	15.1	1.15	16.5	10.9	4.20	0.79	15.1
Dissolved Nickel	µg/L	100	1.0	2.7	2.4	1.9	<1.0	2.7	4.8	6.0	2.6
Dissolved Selenium	µg/L	10	1.0	2.8	1.5	1.4	9.7	<1.0	3.0	6.2	<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	0.63	5.23	1.78	<0.50	<0.50	1.02	2.83	5.14
Dissolved Vanadium	µg/L	6.2	0.40	<0.40	0.76	<0.40	<0.40	<0.40	<0.40	<0.40	1.25
Dissolved Zinc	µg/L	1100	5.0	<5.0	<5.0	<5.0	<5.0	6.2	<5.0	6.1	<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.

5726970-5726984 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.

AGAT Laboratories

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Exceedance Summary

AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Syed Ali

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
5726976	MW7	ON T2 PGW CT	O. Reg. 153(511) - PAHs (Water)	2-and 1-methyl Napthalene	µg/L	3.2	28.5
5726976	MW7	ON T2 PGW CT	O. Reg. 153(511) - PAHs (Water)	Phenanthrene	µg/L	1	1.83
5726976	MW7	ON T2 PGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Ethylbenzene	µg/L	2.4	5.87
5726976	MW7	ON T2 PGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	F2 (C10 to C16)	µg/L	150	883
5726976	MW7	ON T2 PGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Phenanthrene	µg/L	1	1.83
5726976	MW7	ON T2 PGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Chloroform	µg/L	2.4	4.74
5726976	MW7	ON T2 PGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Ethylbenzene	µg/L	2.4	5.87

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T129647
PROJECT: 02211083.001
ATTENTION TO: Syed Ali
SAMPLING SITE:1396 Crahams Care Burlington
SAMPLED BY:Constantinos K.

Trace Organics Analysis

RPT Date: Mar 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) - PHCs F1 - F4 (with PAHs and VOC) (Water)															
F1 (C6 to C10)	5725519		<25	<25	NA	< 25	112%	60%	140%	92%	60%	140%	91%	60%	140%
F2 (C10 to C16)	5721881		< 100	< 100	NA	< 100	120%	60%	140%	89%	60%	140%	70%	60%	140%
F3 (C16 to C34)	5721881		< 100	< 100	NA	< 100	122%	60%	140%	75%	60%	140%	65%	60%	140%
F4 (C34 to C50)	5721881		< 100	< 100	NA	< 100	62%	60%	140%	76%	60%	140%	87%	60%	140%
O. Reg. 153(511) - PAHs (Water)															
Naphthalene	5726978	5726978	<0.20	<0.20	NA	< 0.20	106%	50%	140%	83%	50%	140%	71%	50%	140%
Acenaphthylene	5726978	5726978	<0.20	<0.20	NA	< 0.20	109%	50%	140%	78%	50%	140%	72%	50%	140%
Acenaphthene	5726978	5726978	<0.20	<0.20	NA	< 0.20	110%	50%	140%	81%	50%	140%	71%	50%	140%
Fluorene	5726978	5726978	<0.20	<0.20	NA	< 0.20	112%	50%	140%	85%	50%	140%	71%	50%	140%
Phenanthrene	5726978	5726978	<0.10	<0.10	NA	< 0.10	113%	50%	140%	91%	50%	140%	76%	50%	140%
Anthracene	5726978	5726978	<0.10	<0.10	NA	< 0.10	103%	50%	140%	86%	50%	140%	71%	50%	140%
Fluoranthene	5726978	5726978	<0.20	<0.20	NA	< 0.20	113%	50%	140%	91%	50%	140%	74%	50%	140%
Pyrene	5726978	5726978	<0.20	<0.20	NA	< 0.20	112%	50%	140%	88%	50%	140%	71%	50%	140%
Benzo(a)anthracene	5726978	5726978	<0.20	<0.20	NA	< 0.20	96%	50%	140%	75%	50%	140%	71%	50%	140%
Chrysene	5726978	5726978	<0.10	<0.10	NA	< 0.10	114%	50%	140%	73%	50%	140%	76%	50%	140%
Benzo(b)fluoranthene	5726978	5726978	<0.10	<0.10	NA	< 0.10	101%	50%	140%	78%	50%	140%	84%	50%	140%
Benzo(k)fluoranthene	5726978	5726978	<0.10	<0.10	NA	< 0.10	117%	50%	140%	85%	50%	140%	94%	50%	140%
Benzo(a)pyrene	5726978	5726978	<0.01	<0.01	NA	< 0.01	91%	50%	140%	69%	50%	140%	79%	50%	140%
Indeno(1,2,3-cd)pyrene	5726978	5726978	<0.20	<0.20	NA	< 0.20	96%	50%	140%	52%	50%	140%	78%	50%	140%
Dibenz(a,h)anthracene	5726978	5726978	<0.20	<0.20	NA	< 0.20	95%	50%	140%	71%	50%	140%	70%	50%	140%
Benzo(g,h,i)perylene	5726978	5726978	<0.20	<0.20	NA	< 0.20	105%	50%	140%	86%	50%	140%	76%	50%	140%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	5725519		<0.40	<0.40	NA	< 0.40	78%	50%	140%	89%	50%	140%	97%	50%	140%
Vinyl Chloride	5725519		<0.17	<0.17	NA	< 0.17	103%	50%	140%	108%	50%	140%	112%	50%	140%
Bromomethane	5725519		<0.20	<0.20	NA	< 0.20	99%	50%	140%	100%	50%	140%	100%	50%	140%
Trichlorofluoromethane	5725519		<0.40	<0.40	NA	< 0.40	84%	50%	140%	92%	50%	140%	79%	50%	140%
Acetone	5725519		<1.0	<1.0	NA	< 1.0	90%	50%	140%	100%	50%	140%	76%	50%	140%
1,1-Dichloroethylene	5725519		<0.30	<0.30	NA	< 0.30	83%	50%	140%	90%	60%	130%	89%	50%	140%
Methylene Chloride	5725519		<0.30	<0.30	NA	< 0.30	94%	50%	140%	91%	60%	130%	103%	50%	140%
trans- 1,2-Dichloroethylene	5725519		<0.20	<0.20	NA	< 0.20	81%	50%	140%	86%	60%	130%	95%	50%	140%
Methyl tert-butyl ether	5725519		<0.20	<0.20	NA	< 0.20	95%	50%	140%	102%	60%	130%	106%	50%	140%
1,1-Dichloroethane	5725519		<0.30	<0.30	NA	< 0.30	77%	50%	140%	117%	60%	130%	103%	50%	140%
Methyl Ethyl Ketone	5725519		<1.0	<1.0	NA	< 1.0	99%	50%	140%	98%	50%	140%	90%	50%	140%
cis- 1,2-Dichloroethylene	5725519		<0.20	<0.20	NA	< 0.20	82%	50%	140%	91%	60%	130%	91%	50%	140%
Chloroform	5725519		<0.20	<0.20	NA	< 0.20	84%	50%	140%	89%	60%	130%	91%	50%	140%
1,2-Dichloroethane	5725519		<0.20	<0.20	NA	< 0.20	81%	50%	140%	84%	60%	130%	89%	50%	140%
1,1,1-Trichloroethane	5725519		<0.30	<0.30	NA	< 0.30	80%	50%	140%	85%	60%	130%	76%	50%	140%
Carbon Tetrachloride	5725519		<0.20	<0.20	NA	< 0.20	78%	50%	140%	80%	60%	130%	79%	50%	140%

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http://www.agatlabs.com

Quality Assurance

CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T129647
PROJECT: 02211083.001
ATTENTION TO: Syed Ali
SAMPLING SITE:1396 Crahams Care Burlington
SAMPLED BY:Constantinos K.

Trace Organics Analysis (Continued)

RPT Date: Mar 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
Benzene	5725519		<0.20	<0.20	NA	< 0.20	105%	50%	140%	110%	60%	130%	114%	50%	140%
1,2-Dichloropropane	5725519		<0.20	<0.20	NA	< 0.20	76%	50%	140%	82%	60%	130%	82%	50%	140%
Trichloroethylene	5725519		<0.20	<0.20	NA	< 0.20	82%	50%	140%	84%	60%	130%	109%	50%	140%
Bromodichloromethane	5725519		<0.20	<0.20	NA	< 0.20	73%	50%	140%	78%	60%	130%	80%	50%	140%
Methyl Isobutyl Ketone	5725519		<1.0	<1.0	NA	< 1.0	93%	50%	140%	100%	50%	140%	115%	50%	140%
1,1,2-Trichloroethane	5725519		<0.20	<0.20	NA	< 0.20	82%	50%	140%	82%	60%	130%	91%	50%	140%
Toluene	5725519		<0.20	<0.20	NA	< 0.20	85%	50%	140%	86%	60%	130%	92%	50%	140%
Dibromochloromethane	5725519		<0.10	<0.10	NA	< 0.10	94%	50%	140%	96%	60%	130%	106%	50%	140%
Ethylene Dibromide	5725519		<0.10	<0.10	NA	< 0.10	100%	50%	140%	99%	60%	130%	111%	50%	140%
Tetrachloroethylene	5725519		1.49	1.44	3.4%	< 0.20	114%	50%	140%	120%	60%	130%	88%	50%	140%
1,1,1,2-Tetrachloroethane	5725519		<0.10	<0.10	NA	< 0.10	104%	50%	140%	115%	60%	130%	111%	50%	140%
Chlorobenzene	5725519		<0.10	<0.10	NA	< 0.10	84%	50%	140%	86%	60%	130%	91%	50%	140%
Ethylbenzene	5725519		<0.10	<0.10	NA	< 0.10	81%	50%	140%	82%	60%	130%	85%	50%	140%
m & p-Xylene	5725519		<0.20	<0.20	NA	< 0.20	87%	50%	140%	91%	60%	130%	93%	50%	140%
Bromoform	5725519		<0.10	<0.10	NA	< 0.10	96%	50%	140%	116%	60%	130%	98%	50%	140%
Styrene	5725519		<0.10	<0.10	NA	< 0.10	104%	50%	140%	107%	60%	130%	105%	50%	140%
1,1,2,2-Tetrachloroethane	5725519		<0.10	<0.10	NA	< 0.10	114%	50%	140%	116%	60%	130%	82%	50%	140%
o-Xylene	5725519		<0.10	<0.10	NA	< 0.10	86%	50%	140%	91%	60%	130%	94%	50%	140%
1,3-Dichlorobenzene	5725519		<0.10	<0.10	NA	< 0.10	100%	50%	140%	110%	60%	130%	107%	50%	140%
1,4-Dichlorobenzene	5725519		<0.10	<0.10	NA	< 0.10	114%	50%	140%	103%	60%	130%	106%	50%	140%
1,2-Dichlorobenzene	5725519		<0.10	<0.10	NA	< 0.10	94%	50%	140%	105%	60%	130%	105%	50%	140%
n-Hexane	5725519		<0.20	<0.20	NA	< 0.20	117%	50%	140%	108%	60%	130%	86%	50%	140%
O. Reg. 153(511) - PCBs (Water)															
Polychlorinated Biphenyls	5726977		< 0.1	< 0.1	NA	< 0.1	103%	50%	140%	106%	50%	140%	106%	50%	140%
O. Reg. 153(511) - OC Pesticides (Water)															
Gamma-Hexachlorocyclohexane	5717661		< 0.01	< 0.01	NA	< 0.01	102%	50%	140%	79%	50%	140%	86%	50%	140%
Heptachlor	5717661		< 0.01	< 0.01	NA	< 0.01	104%	50%	140%	112%	50%	140%	96%	50%	140%
Aldrin	5717661		< 0.01	< 0.01	NA	< 0.01	103%	50%	140%	88%	50%	140%	84%	50%	140%
Heptachlor Epoxide	5717661		< 0.01	< 0.01	NA	< 0.01	105%	50%	140%	86%	50%	140%	85%	50%	140%
Endosulfan I	5717661		< 0.05	< 0.05	NA	< 0.05	108%	50%	140%	86%	50%	140%	87%	50%	140%
Endosulfan II	5717661		< 0.05	< 0.05	NA	< 0.05	107%	50%	140%	92%	50%	140%	89%	50%	140%
alpha - chlordane	5717661		< 0.04	< 0.04	NA	< 0.04	108%	50%	140%	82%	50%	140%	82%	50%	140%
gamma-Chlordane	5717661		< 0.04	< 0.04	NA	< 0.04	107%	50%	140%	91%	50%	140%	92%	50%	140%
op'-DDE	5717661		< 0.01	< 0.01	NA	< 0.01	118%	50%	140%	105%	50%	140%	98%	50%	140%
pp'-DDE	5717661		< 0.01	< 0.01	NA	< 0.01	109%	50%	140%	114%	50%	140%	98%	50%	140%
op'-DDD	5717661		< 0.05	< 0.05	NA	< 0.05	117%	50%	140%	111%	50%	140%	97%	50%	140%
pp'-DDD	5717661		< 0.05	< 0.05	NA	< 0.05	108%	50%	140%	115%	50%	140%	96%	50%	140%
op'-DDT	5717661		< 0.04	< 0.04	NA	< 0.04	115%	50%	140%	97%	50%	140%	105%	50%	140%
pp'-DDT	5717661		< 0.05	< 0.05	NA	< 0.05	104%	50%	140%	82%	50%	140%	81%	50%	140%

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Quality Assurance

CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T129647
PROJECT: 02211083.001
ATTENTION TO: Syed Ali
SAMPLING SITE:1396 Crahams Care Burlington
SAMPLED BY:Constantinos K.

Trace Organics Analysis (Continued)

RPT Date: Mar 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
Dieldrin	5717661		< 0.02	< 0.02	NA	< 0.02	100%	50%	140%	89%	50%	140%	92%	50%	140%
Endrin	5717661		< 0.05	< 0.05	NA	< 0.05	112%	50%	140%	112%	50%	140%	94%	50%	140%
Methoxychlor	5717661		< 0.04	< 0.04	NA	< 0.04	98%	50%	140%	96%	50%	140%	78%	50%	140%
Hexachlorobenzene	5717661		< 0.01	< 0.01	NA	< 0.01	109%	50%	140%	107%	50%	140%	98%	50%	140%
Hexachlorobutadiene	5717661		< 0.01	< 0.01	NA	< 0.01	102%	50%	140%	94%	50%	140%	81%	50%	140%
Hexachloroethane	5717661		< 0.01	< 0.01	NA	< 0.01	102%	50%	140%	101%	50%	140%	76%	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 Popnikolof

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Quality Assurance

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

Water Analysis

RPT Date: Mar 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	5729010		<1.0	<1.0	NA	< 1.0	103%	70%	130%	104%	80%	120%	100%	70%	130%
Dissolved Arsenic	5729010		1.1	2.0	NA	< 1.0	100%	70%	130%	106%	80%	120%	108%	70%	130%
Dissolved Barium	5729010		24.1	25.1	4.1%	< 2.0	99%	70%	130%	101%	80%	120%	98%	70%	130%
Dissolved Beryllium	5729010		<0.50	<0.50	NA	< 0.50	100%	70%	130%	109%	80%	120%	102%	70%	130%
Dissolved Boron	5729010		155	157	1.3%	< 10.0	98%	70%	130%	107%	80%	120%	101%	70%	130%
Dissolved Cadmium	5729010		<0.20	<0.20	NA	< 0.20	99%	70%	130%	102%	80%	120%	100%	70%	130%
Dissolved Chromium	5729010		<2.0	<2.0	NA	< 2.0	102%	70%	130%	98%	80%	120%	97%	70%	130%
Dissolved Cobalt	5729010		<0.50	<0.50	NA	< 0.50	97%	70%	130%	101%	80%	120%	98%	70%	130%
Dissolved Copper	5729010		<1.0	<1.0	NA	< 1.0	98%	70%	130%	100%	80%	120%	95%	70%	130%
Dissolved Lead	5729010		<0.50	<0.50	NA	< 0.50	100%	70%	130%	96%	80%	120%	92%	70%	130%
Dissolved Molybdenum	5729010		2.36	2.40	NA	< 0.50	102%	70%	130%	105%	80%	120%	103%	70%	130%
Dissolved Nickel	5729010		2.3	4.2	NA	< 1.0	97%	70%	130%	100%	80%	120%	97%	70%	130%
Dissolved Selenium	5729010		<1.0	<1.0	NA	< 1.0	100%	70%	130%	99%	80%	120%	101%	70%	130%
Dissolved Silver	5729010		<0.20	<0.20	NA	< 0.20	96%	70%	130%	97%	80%	120%	93%	70%	130%
Dissolved Thallium	5729010		<0.30	<0.30	NA	< 0.30	100%	70%	130%	99%	80%	120%	96%	70%	130%
Dissolved Uranium	5729010		6.10	6.43	5.3%	< 0.50	91%	70%	130%	103%	80%	120%	103%	70%	130%
Dissolved Vanadium	5729010		0.57	0.48	NA	< 0.40	97%	70%	130%	102%	80%	120%	102%	70%	130%
Dissolved Zinc	5729010		<5.0	<5.0	NA	< 5.0	99%	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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Method Summary

CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T129647
PROJECT: 02211083.001
ATTENTION TO: Syed Ali
SAMPLING SITE:1396 Crahams Care Burlington
SAMPLED BY:Constantinos K.

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Gamma-Hexachlorocyclohexane	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Heptachlor	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Aldrin	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Heptachlor Epoxide	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Endosulfan I	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Endosulfan II	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Endosulfan	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	CALCULATION
alpha - chlordane	ORG-91-5112	modified from EPA SW846 3510C & 8081B	GC/ECD
gamma-Chlordane	ORG-91-5112	modified from EPA SW846 3510C & 8081B	GC/ECD
Chlordane	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	CALCULATION
op'-DDE	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
pp'-DDE	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
DDE	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	CALCULATION
op'-DDD	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
pp'-DDD	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
DDD	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	CALCULATION
op'-DDT	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
pp'-DDT	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
DDT	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	CALCULATION
Dieldrin	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Endrin	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Methoxychlor	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Hexachlorobenzene	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Hexachlorobutadiene	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Hexachloroethane	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
TCMX	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD
Decachlorobiphenyl	ORG-91-5112	modified from EPA SW-846 3510C & 8081B	GC/ECD

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Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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
Polychlorinated Biphenyls	ORG-91-5112	modified from EPA SW-846 3510 & 8082A	GC/ECD
Decachlorobiphenyl	ORG-91-5112	modified from EPA SW-846 3510 & 8082A	GC/ECD
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

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Method Summary

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AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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
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.

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

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: ENGLOBE CORP.

AGAT WORK ORDER: 24T129647

PROJECT: 02211083.001

ATTENTION TO: Syed Ali

SAMPLING SITE:1396 Crahams Care Burlington

SAMPLED BY:Constantinos K.

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

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: Englobe
Contact: Syed Ali
Address: 20 Carlson Crt Etobicoke
Phone: 905 796 2650 Fax:
Reports to be sent to:
1. Email: SAli@Terraprobe.ca
2. Email:

Project Information:

Project: 022110830.001
Site Location: 1393 Grahams Lane Burlington
Sampled By: Constantinos Kyriacou
AGAT Quote #: PO:
Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☑ No ☐
Company:
Contact:
Address:
Email:

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04 — Table Z (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 #: 24T129647
Cooler Quantity: 2 large
Arrival Temperatures: 8.6 | 9.1 | 8.7
Depot Temperatures: 9.8 | 10.1 | 9.3
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: L / I

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 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		O. Reg Pesticides						Potentially Hazardous or High Concentration (Y/N)
1. MW1	14/03/2024	AM/PM	12	GW		Y		X	X	X	X	X							X					
2. MW2		AM/PM	12	GW															X					
3. MW5		AM/PM	10	GW																				
4. MW6		AM/PM	10	GW																				
5. MW7		AM/PM	10	GW																				
6. MW8		AM/PM	10	GW																				
7. MW9		AM/PM	10	GW		Y																		
8. Dupl		AM/PM	12	GW		Y		X	X	X	X	X							X					
9. VOC trip Blank		AM/PM	3							X														
10.		AM/PM																						
11.		AM/PM																						

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Constantinos Kyriacou	14/03/2024	1:13	Anmol Batth	14 Mar, 24	1:16pm

Page 1 of 1

N°: T - 154374

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

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