PHASE TWO
ENVIRONMENTAL SITE ASSESSMENT
621 DUNDAS STREET EAST, BELLEVILLE, ONTARIO

Prepared for:

2255718 Ontario Inc.
P.O. Box 1598
Belleville, ON K8N 5J2

Prepared by:

BluMetric Environmental Inc.
The Tower, The Woolen Mill
4 Cataraqui Street
Kingston, ON K7K 1Z7

Project Number: 220509
August 4, 2023

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1 EXECUTIVE SUMMARY

BluMetric Environmental Inc. (subsequently referred to as "BluMetric®") has been retained by 2255718 Ontario Inc. since 2011 to complete Phase One and Phase Two Environmental Site Assessments for the Former Bakelite Property at 621 Dundas Street East, Belleville, Ontario, herein referred to as the Phase Two Property.

It is our understanding that this Phase Two ESA is required to support the filing of a Record of Site Condition (RSC) for municipal planning approvals. The activities described in this report have been undertaken in accordance with the requirements of Schedule E of Ontario Regulation 153/04 – *Records of Site Condition, Part XV.1 of the Environmental Protection Act (EPA Part XV.1 of the Environmental Protection Act (EPA)* (as amended) referred to herein as O. Reg. 153/04.

The Phase Two Property is bounded on the north by Dundas Street East and the railway track, on the east by portions of the former Bakelite property that are not part of the Phase Two Property, on the south by wetlands and the Bay of Quinte and on the west by a mix of commercial and residential land. The Phase Two Property is approximately 14.63 hectares (36.15 acres) in size and consists of vacant industrial lands of the former Bakelite property.

Between the late 1940s and 1989 the former Bakelite property was used as a chemical manufacturing and resin (Bakelite) production facility. Industrial operations shut down in 1989 and the property was largely inactive through the 1990s, with environmental clean-up and facilities decommissioning being carried out. The property was sold to Mr. Jim Sinclair under the name Thermoset Limited in 2006 (the previous owner); Mr. Sinclair intended to redevelop the property. Extensive earthwork and building demolition was conducted between 2006 and 2009. During this period, part of the Phase Two property was used as a waste transfer station for recyclable materials. On January 12, 2011, the Phase Two property was purchased by the current owner, 2255718 Ontario Inc.

The surrounding area on a 250 metre radius from the Phase Two Property consists of a mix of residential, and commercial uses.

The Phase Two ESA was conducted to address concerns identified by a Phase One ESA report entitled "Phase I Environmental Site Assessment, Former Bakelite property at 621 Dundas Street East, Belleville, Ontario" dated 9 January 2012 and by a draft Phase One ESA Update report entitled "Phase One Environmental Site Assessment Update, 621 Dundas Street East, Belleville, Ontario – West Portion of Former Bakelite Property," dated 4 August 2023, which identified nine (9) on-site and eight (8) off-site potentially contaminating activities (PCAs) that may have resulted in contamination to soil and/or groundwater media beneath the Phase Two Property. Areas of

potential environmental concern (APEC) associated with each of the PCAs identified on the Phase Two Property, are summarized below:

APEC	Location of APEC on Property	PCA	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 1a North Drum and Waste Disposal Area (NDWDA)	Northwest portion of the Phase Two Property, north of the west marsh	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	PCBs, VOCs, Metals, As, Sb, Se, Hg, PAHs, PHCs, BTEX, CPs, ABNs	Soil Groundwater
APEC 1b NDWDA	Northwest portion of the Phase Two Property, north of the west marsh	30. Importation of fill material of unknown quality	On-Site	Metal (As, Sb, Se, Hg, Cr(VI)), PCBs, PAHs, PHCs, BTEX, pH, B-HWS (soil only)	Soil
APEC 2 Area C	Northwest portion of the Phase Two Property	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	PCBs, VOCs, Metals (As, Sb, Se, Hg), PAHs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 3 Area D	Central portion of the Phase Two Property, north of the central marsh	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	PCBs, VOCs, Metals (As, Sb, Se, Hg), PAHs, PHCs, BTEX, CPs, ABNs	Soil Groundwater
APEC 4 Area E	West of the former plant	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	PCBs, VOCs, Metals (As, Sb, Se, Hg), PAHs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 5a North Parking Area	North of the former plant	30. Importation of fill material of unknown quality	On-Site	Metal (As, Sb, Se, Hg, CN, Cr(VI)), PCBs, PAHs, PHCs, BTEX, pH, B-HWS (soil only)	Soil Groundwater
APEC 5b North Parking Area	North of the former plant	Other – Application of De-cing Agent for purpose of Pedestrian & Vehicular Safety under Conditions of Snow or Ice	On-Site	SAR, EC (soil only), Na, Cl (ground water only)	Soil Groundwater
APEC 6 North Fill Area	Northwest corner of the Phase Two Property	30. Importation of fill material of unknown quality	On-Site	PCBs, VOCs, Metals (As, Sb, Se, Hg), PAHs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 7 West Ditch	Extending south along west side of plant to the lagoons	Other: Surface water collection ditch	On-Site	VOCs, PAHs, ABNs, PHCs, BTEX, CPs	Soil Groundwater

APEC	Location of APEC on Property	PCA	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 8a	North Tank Farm Adjacent to the northeast of the former main plant	1. Acid and Alkali Manufacturing, Processing, and Bulk Storage	On-Site	Metals (As, Sb, Se, Hg), VOCs, PHCs, BTEX, PAHs, ABNs, CPs, pH (soil only)	Soil Groundwater
APEC 8b		8. Chemical Manufacturing, Processing, and Bulk Storage	On-Site	VOCs, PHCs, BTEX, PAHs, ABNs, CPs	Soil Groundwater
APEC 8c		28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	VOCs, PHCs, BTEX, PAHs	Soil Groundwater
APEC 8d		51. Solvent Manufacturing, Processing, and Bulk Storage	On-Site	BTEX, VOCs	Soil Groundwater
APEC 9a	South Tank Farm Southeast corner of the former main plant building	1. Acid and Alkali Manufacturing, Processing, and Bulk Storage	On-Site	Metals (As, Sb, Se, Hg), VOCs, PHCs, BTEX, PAHs, ABNs, CPs, pH (soil only)	Soil Groundwater
APEC 9b		8. Chemical Manufacturing, Processing and Bulk Storage	On-Site	VOCs, PHCs, BTEX, PAHs, ABNs, CPs	Soil Groundwater
APEC 9c		51. Solvent Manufacturing, Processing, and Bulk Storage	On-Site	BTEX, VOCs	Soil Groundwater
APEC 9d		30. Importation of fill material of unknown quality	On-Site	Metal, As, Sb, Se, Hg, CN, Cr(VI), PAHs, PHCs, BTEX, pH, B-HWS (soil only)	Soil Groundwater
APEC 10 Incinerator	East of the North Tank Farm	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	On-Site	PAH, ABNs, CPs	Soil Groundwater
APEC 11 Former East and West Lagoon	Central portion of the Phase Two Property to the east of the Central Marsh	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	On-Site	Metals (As, Sb, Se, Hg), PAHs, PCBs, VOCs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 12 Area A & B waste disposal	South portion of the Phase Two Property	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	On-Site	PCBs, VOCs, Metals (As, Sb, Se, Hg), PAHs, PHC, BTEX, CPs, ABNs	Soil Groundwater

APEC	Location of APEC on Property	PCA	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 13 Former Methanol Tank	South portion of the Phase Two Property	8. Chemical Manufacturing, Processing, and Bulk Storage	On-Site	VOCs, Metals (As, Sb, Se, Hg), PCBs	Soil Groundwater
APEC 14 Pump House	South tip of the Phase Two Property	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	Metals, PHC, PAH, BTEX	Soil Groundwater
APEC 15 Settling Basin	North of the Central Marsh	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	Metals, As, Sb, Se, Hg, PAHs, PHC, BTEX, PCBs, VOCs, CPs, ABNs	Soil Groundwater
APEC 16 Tank 27	Northeast of settling basin	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX, PAHs	Soil Groundwater
APEC 17 Tank 40	South of boiler house	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX, PAHs	Soil Groundwater
APEC 18 Tank 22	East of boiler house	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX, PAHs	Soil Groundwater
APEC 19 Formaldehyde Plant tank farm	South of formaldehyde plant	8. Chemical Manufacturing, Processing and Bulk Storage	On-Site	VOCs, PHCs, BTEX PAH	Soil Groundwater
APEC 20 Area of drainage	Southwest of main plant building	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	Metals (As, Sb, Se, Hg), PCBs, VOCs, PAHs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 21 Maintenance shop (including Tank 68)	Northwest part of former main plant building	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	Metals (As, Sb, Se, Hg), PHCs, BTEX, PAHs, VOCs	Soil Groundwater
APEC 22 PCB Waste Storage Area	Southwest part of former main building	Other – Storage of PCB waste	On-Site	PCBs	Soil Groundwater
APEC 23 Indoor bulk chemical storage	Northeast part of former main building	1. Acid and Alkali Manufacturing, Processing, and Bulk Storage	On-Site	PHCs, BTEX, PAHs, VOCs, ABNs, CPs, pH (soil only)	Soil Groundwater
APEC 24 Indoor and outdoor bulk chemical storage	Southeast part of the former main building	8. Chemical Manufacturing, Processing and Bulk Storage	On-Site	PHCs, BTEX, PAHs, VOCs, ABNs, CPs, pH (soil only)	Soil Groundwater

APEC	Location of APEC on Property	PCA	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 25 Caustic Lagoon and Pre-treatment Lagoon	West of main plant building	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	PCBs, VOCs, Metals (As, Sb, Se, Hg), PAHs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 26 Former Rail Spur	Northwest area of the Phase Two Property	46. Rail Yards, Tracks and Spurs	On-Site	Metals, PAHs, PHCs	Soil Groundwater
APEC 27a East ditch	Northeast area of the Phase Two Property, near north tank farm	Other: Surface water collection ditch	On-Site	VOCs, PAHs, ABNs, PHCs, BTEX, CPs	Soil Groundwater
APEC 27b East ditch			Off-Site		
APEC 28a Off-Site PCAs to the North	Entire northern boundary of the Phase Two Property	28. Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	PHCs, BTEX	Groundwater
APEC 28b Off-Site PCAs to the North		46. Rail Yards, Tracks, and Spurs	Off-Site	Metals (As, Sb, Se, Hg), PAHs, PHCs, BTEX	Groundwater
APEC 28c Off-Site PCAs to the North		52. Storage, Maintenance, Fueling, and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems	Off-Site	PHCs, BTEX	Groundwater
APEC 29a Off-Site PCAs to the east	Northeast edge of the Phase Two Property	1. Acid and Alkali Manufacturing, Processing, and Bulk Storage	Off-Site	Metals (As, Sb, Se, Hg), PHCs, BTEX, PAHs, VOCs, ABNs, CPs, pH (soil only)	Groundwater
APEC 29b Off-Site PCAs to the east		2. Adhesives and Resins Manufacturing, Processing and Bulk Storage	Off-Site	Metals (As, Sb, Se, Hg), PHCs, BTEX, PAHs, VOCs, ABNs, CPs, pH (soil only)	Groundwater
APEC 29c Off-Site PCAs to the east		8. Chemical Manufacturing, Processing and Bulk Storage	Off-Site	Metals (As, Sb, Se, Hg), PHCs, BTEX, PAHs, VOCs, ABNs, CPs, pH (soil only)	Groundwater
APEC 29d Off-Site PCAs to the east		28. Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	Metals (As, Sb, Se, Hg), PHCs, BTEX, PAHs, pH (soil only)	Groundwater
APEC 29e Off-Site PCAs to the east		51. Solvent Manufacturing, Processing and Bulk Storage	Off-Site	VOCs, pH (soil only)	Groundwater

APEC	Location of APEC on Property	PCA	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 29f Off-Site PCAs to the east		58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Off-Site	Metals (As, Sb, Se, Hg), PHCs, BTEX, PAHs, VOCs, ABNs, CPs, pH (soil only)	Groundwater

Notes:
Acronyms are defined as follows:

- AST – above ground storage tank
- PHCs – petroleum hydrocarbons
- PAHs – polycyclic aromatic hydrocarbons
- BTEX – benzene, toluene, ethylbenzene and xylenes
- VOCs – volatile organic compounds
- ABNs – acid/base/neutrals
- CPs – chlorophenols
- PCBs – polychlorinated biphenyl

In order to investigate the APECs identified above, sampling and analyses were conducted during various fieldwork programs completed between July 2011 and January 2023.

The primary findings of the Phase Two ESA are as follows:

- In July 2011, twenty-four monitoring wells were installed and sampled for soil on the Phase Two Property. These wells were then subsequently sampled for groundwater. Details about these boreholes and results from the soil and groundwater samples can be found in the report titled "Phase II Environmental Site assessment, 621 Dundas Street East, Belleville, Ontario" prepared by WESA. Additionally, in November 2012, 34 test pits were dug and sampled, and the details and results from these samples can be found in the WESA Phase II report (WESA, 2012).
- Further sampling of twenty-two existing monitoring wells was completed between July 12 and July 14, 2022. Two existing monitoring wells could not be sampled during this event. MW121 could not be located in an area of dense brush, and MW128 was found in damaged condition. Key observations/results of the July 2022 groundwater sampling event were considered for development/updating of this Phase Two ESA scope of work (BluMetric 2022). In summary, contaminant concentrations exceeding the applicable SCS were reported in 5 of the 22 groundwater samples collected.
- In December 2022, BluMetric supervised the drilling of 29 additional boreholes and seven test pits. All 29 boreholes were completed as groundwater monitoring wells.

- In accordance with requirements of O.Reg.153/04, due to the presence of no potable water wells and the shallow soils conditions, the Phase Two Property was evaluated with respect to the Table 7 Generic Site Condition Standards for Use in a Non-Potable Groundwater Condition for residential/ parkland/ institutional land use, as provided in Soil, Ground Water and Sediment Standards for Use under Part XV.1 of the Environmental Protection Act (Table 7 SCS).
- The overburden at the Phase Two Property is generalized as consisting of surface topsoil extending to depths ranging from 0.0 to 1.6 m bgs. The surficial topsoil layer was generally followed by sand and sandy silt with gravel or clay and silty clay with gravel which extends to at least 3.4 m bgs. Followed by bedrock ranging from 0.0 to 4.27 m bgs.
- Grain size tests conducted on native soil samples shown a fine texture.
- The shallow bedrock is considered to be the main groundwater flow pathway at the Phase Two Property based on the distribution of where groundwater was found.
- Based on the groundwater elevations collected to date, local groundwater flow appears to be south-southwest.
- Selected soil and groundwater samples were submitted for chemical analyses of the Contaminants of Potential Environmental Concern (COPCs) identified in the Phase One ESA.
- In 2022, many parameters' concentrations of samples were above the Table 7 SCS. There were exceedances of benzene, toluene, ethylbenzene, and xylenes (BTEX), hydride forming metals (HFMs), Metals, other regulated parameters (ORPs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), acid/base/neutral compounds (ABNs), and petroleum hydrocarbons (PHCs) in the soil samples collected from the boreholes and test pits.
- In 2023, many parameters' concentrations of chemicals were above the Table 7 SCS. There were exceedances of BTEX, Metals, ORPs, PAHs, PCBs, volatile organic compounds (VOCs), and PHCs in the groundwater samples collected from the monitoring wells.

Further assessment or remedial actions are required at the Phase Two Property in preparation for the proposed residential redevelopment.

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2 INTRODUCTION

BluMetric Environmental Inc. (subsequently referred to as "BluMetric®") has been retained by 2255718 Ontario Inc. since 2011 to complete Phase One and Phase Two Environmental Site Assessments for the Former Bakelite Property at 621 Dundas Street East, Belleville, Ontario, herein referred to as the Phase Two Property, as shown in Figure 1-01.

It is our understanding that this Phase Two ESA is required to support the filing of a Record of Site Condition (RSC) for municipal planning approvals. The activities described in this report have been undertaken in general accordance with the requirements of Schedule E of Ontario Regulation 153/04 – *Records of Site Condition, Part XV.1 of the Environmental Protection Act (EPA Part XV.1 of the Environmental Protection Act (EPA)* (as amended) referred to herein as O. Reg. 153/04.

2.1 PHASE TWO PROPERTY INFORMATION

The Phase Two Property is owned by 2255718 Ontario Inc, and is comprised of lands identified by the solid, bold, red line in Figure 1-01, as described on the legal survey submitted as part of this Phase Two ESA report, and has the following legal description and municipal address:

Table 1: Phase Two Property Information

Legal Description	PIN	Municipal Address
PT LT13, CON BROKEN FRONT THURLOW; PT RDAL BTN CON 1 & CON BROKEN FRONT THURLOW; PTS 1, 2, 3, 4, 5, 6, 7, & 8 21R25549; S/T QR68198; Belleville; County of Hastings	PIN 40611-0009	621 Dundas Street East, Belleville, Ontario

The Phase Two Property is 14.63 hectares (146,300 square metres (m^2)) in size, irregularly shaped, and is currently vacant. The Phase Two Property is bounded on the north by Dundas Street East and the railway track, on the east by portions of the former Bakelite property that are not part of the Phase Two Property, on the south by wetlands and the Bay of Quinte, and on the west by a mix of commercial and residential land, as shown in *Figure 1-02*. The Phase Two Property generally slopes from the topographically high north property boundary along Dundas Street, down towards the Bay of Quinte and has an elevation of approximately 74 to 83 metres (m) above sea level (ASL).

The Phase One Study area consists of the entire Former Bakelite property at 621 Dundas Street East, Belleville, Ontario. The current Bakelite property owner has plans to redevelop the western portion of the Bakelite property (i.e., the Phase Two Property) to commercial and residential land.

Historically the Phase Two Property was used as part of the former Bakelite property for industrial and commercial purposes. From 1947 to 1959, the property was owned and operated by the Bakelite Company of Canada. In 1959, the property and operations were purchased by Union Carbide Canada and then transferred to Bakelite Thermoset Limited in 1976.

Between the late 1940s and 1989 the former Bakelite property was used as a chemical manufacturing and resin (Bakelite) production facility. Industrial operations shut down in 1989 and the property was largely inactive through the 1990s, with environmental clean-up and facilities decommissioning being carried out. The property was sold to Mr. Jim Sinclair under the name Thermoset Limited in 2006 (the previous owner); Mr. Sinclair intended to redevelop the property. Extensive earthwork and building demolition were conducted between 2006 and 2009. During this period, part of the Phase Two property was used as a waste transfer station for recyclable materials. On January 12, 2011, the Phase Two property was purchased by the current owner, 2255718 Ontario Inc.

Features of interest on the Phase Two Property are highlighted on Figure 1-04.

2.2 Property Ownership

The Phase Two Property is owned by 2255718 Ontario Inc. The particulars for the property owner are summarized in the following table:

Table 2: Property Ownership

Registered Property Owner:	2255718 Ontario Inc.
Owner Address:	PO Box 1598 610 Dundas Street East Belleville, ON K8N 5J2
Authorized Signing Officers:	• Mr. Bernie Ouellet • Mr. Jerry Di Rocco • Mr. Ian Brady • Mr. John Cheung

2.3 Terms of Reference

BluMetric was retained by 2255718 Ontario Inc. to complete a Phase One and a Phase Two ESA for the Former Bakelite Property at 621 Dundas Street East, Belleville, Ontario.

The activities described in this report have been undertaken in general accordance with the requirements Ontario Regulation 153/04 (as amended) referred to herein as O. Reg. 153/04, in support of filing a Record of Site Condition (RSC).

In general terms, the purpose of a Phase Two ESA is to address concerns identified by a Phase One ESA with regards to establishing whether contamination to soil or groundwater media within or beneath a property has occurred as a result of potentially contaminating activities (PCAs) within, or proximal to, the Phase Two Property.

In 2011, BluMetric (formerly WESA) conducted a Phase One ESA titled "*Phase I Environmental Site Assessment, Former Bakelite property at 621 Dundas Street East, Belleville, Ontario*". In 2023, BluMetric conducted an Updated Phase One ESA titled "Phase One Environmental Site Assessment Update, 621 Dundas Street East, Belleville, Ontario – West Portion of Former Bakelite Property". The Phase One ESA Update identified 44 areas of potential environmental concern (APECs) within the Phase Two Property that will mostly likely have been impacted, should the respective PCAs have resulted in contaminant releases to the environment. The sampling activities and chemical analysis undertaken during a Phase Two ESA generate information that can be used to identify those conditions that might be categorized as "contaminated", or that need to be remediated, improved, or otherwise managed.

This report has been prepared to meet the Schedule E of *Ontario Regulation 153/04 – Records of Site Condition, Part XV.1 of the Environmental Protection Act (EPA Part XV.1 of the Environmental Protection Act (EPA)*, as amended ("O.Reg.153/04") and is intended to support the filing of an RSC.

2.4 Current and Proposed Future Uses

The Phase Two Property is currently vacant industrial land. The long industrial history of the Phase Two Property provided a variety of sources of contamination. Overall, the contamination in soil across the Phase Two Property is well understood. There are, however, a few areas where delineation of soil impacts were not achieved, and further investigation work is required to meet requirements of O.Reg 153/04 and to file a RSC.

It is currently understood that there were two potential plans for the South Portion of the Phase Two Property. Initially, the Southern Portion of the Phase Two Property was to be sold to the City of Belleville for parkland; however, currently the plan is to re-develop the Phase Two Property, including the Southern Portion for residential use. Either option would require an RSC.

2.5 APPLICABLE SITE CONDITION STANDARDS

Since July 2011, the numerical site condition standards (SCS) used in Ontario have been those presented in the Ministry of Environment, Conservation and Park (MECP) document entitled "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the *Environmental Protection Act*", dated April 15, 2011.

In the regulatory framework, there are numerous tables of SCS. For example, there are standards for "background" conditions, for "full depth" conditions, and for "stratified" conditions. The environmental setting of the Phase Two Property determines its applicable SCS, as summarized in the following table:

Table 3: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition

Environmental Sensitivity:	pH of soil less than 5? pH of soil greater than 9 (surface soil) or 11 (subsurface soil)?	No No (see discussion below)
	Includes, or within 30 m of, an area of natural significance?	No
	Includes, or within 30 m of, a body of water?	No
Stratigraphy and Hydrogeology:	Is bedrock shallower than 2 m beneath the site?	Yes
	Does the site lend itself to the application of stratified SCS?	No
	Is the site located in an area designated in the municipal official plan as a well-head protection area or other designation identified by the municipality for the protection of groundwater?	No
	Are all properties wholly or partially within 250 m radius supplied by municipal water?	No
	Are there any domestic or agricultural water supply wells on properties wholly or partially within 250 m radius of the property?	Yes
	Has appropriate tier municipalities consented to the use of non-potable site condition standards?	No
	Is at least ⅓ of the volume of soil beneath the property coarse textured?	No
Proposed Land Use:	Agricultural or Other; Residential; Parkland; Institutional; Industrial; Commercial; Community use?	Residential

A total of 39 samples of soil (28 samples of surface soil, and 11 samples of subsurface soil), were collected from the Phase Two Property at various depths and analyzed for pH. The pH of the surface soil (<1.5 m depth) within the property ranges from 6.54 to 12.20 and the subsurface soils (>1.5 m depth) ranges between 7.26 and 8.54. The soil sample with a pH of 12.20 is located at BH/MW221 SS1, where gravels was present in the sample; the high value of pH is likely attributed to the presence of gravel and the likelihood of presence of carbonate. The pH of all the remaining samples were confirmed to be within acceptable limits. As such, soils on site are not deemed to be affected by pH.

Sieve analyses of samples of the native soil collected at depths ranging from 0.0 to 1.1 m below ground surface (bgs) were completed for several samples from across the Phase Two Property. Soils were found to consist primarily of fine grained materials (50% by mass <75 μm, as per PART VIII, Section 19 of O.Reg 153/04 as amended), and are thus considered fine grained. A review of the borehole logs drilled across the Phase Two Property determined that the main soil type on the properties as sandy silt, clayey silt and silt and fine sand. Therefore, SCS for fine to medium textured soil is considered appropriate. It should be noted that the effluent treatment lagoons, located on the Phase Two Property, are a man-made water feature and not considered a water body under definition in O.Reg. 153/04.

Figure 1-03 shows the application of the above criteria in a decision matrix in order to determine the applicable Site Condition Standard for the Phase Two Property. The chemical quality of soil and groundwater beneath the Phase Two Property was assessed using the "Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Conditions" for residential/parkland/ institutional uses, with fine-textured soils (Table 7 SCS).

3 BACKGROUND INFORMATION

3.1 PHYSICAL SETTING

3.1.1 Water Bodies and Areas of Natural Significance

There are no water bodies, permanent streams, rivers or similar watercourses, ponds, or areas of natural significance on the Phase Two Property. There is a former stormwater management pond on the southern part of the Phase Two Property but based on an ecological assessment by Michalski Neilsen Associates Ltd. in 2012, this pond is not considered a water body as defined in O. Reg. 153/04.

The southeastern corner of the Phase Two Property is on an area included in the Environmental Control Zone as per By-Law 10245.

The Phase Two property is over 30 metres from the provincially significant wetland (PSW) boundary to the south. The closest body of water is Lake Ontario, approximately 75 metres south of the Phase Two property.

3.1.2 Topography and Surface Water Drainage Features

The topography of the Phase Two Property is generally flat, with an average geodetic ground surface elevation of approximately 74 to 84 metres above sea level (asl). The grade of the Phase Two Property is similar to the adjacent properties. The Phase Two Property generally slopes from the topographically high north property boundary along Dundas Street, down towards the Bay of Quinte. A ponded water area is seasonally found on the Phase Two Property, but no permanent surface water features were observed. As discussed above, this ponding water is not considered a water body as defined in O. Reg. 153/04.

Published accounts describe overburden in the area as glaciolacustrine silt and clay grading upward to massive to laminated or bedded sand and silt (Leyland, 1982). There has been a considerable amount of disturbance of the overburden across much of the Phase Two Property as a result of the past development and operation of the Bakelite plant and the subsequent disturbances when the buildings and facilities were decommissioned. As a result of these disturbances, the overburden stratigraphy is relatively variable, with fill encountered across much of the northern portion of the Phase Two Property.

Published accounts describe bedrock in the area as interbedded limestone and shale of the Middle Ordovician Verulam Formation. This formation is approximately 60 metres in thickness in the Belleville area and is underlain by limestone with calcarenite and shale partings of the Bobcaygeon Formation. The beds generally dip at approximately 2% to the south. The upper portion of the bedrock is relatively weathered and fractured to a depth of approximately 3 to 4 metres.

The shallow bedrock is considered to be the main groundwater flow pathway at the Phase Two Property based on the distribution of where groundwater was found. The average horizontal hydraulic gradient is estimated to be 0.004 m/m. The effective porosity of the shallow limestone bedrock is estimated to be 0.20 (Heath (1983)). Based on these values, the average linear groundwater velocity of the shallow bedrock is estimated to be approximately 126 m/year. It is anticipated that surface water run-off generally infiltrates on the Phase Two Property and that groundwater flows towards the Bay of Quinte.

A topographic map is provided in Figure 1-02.

3.2 Past Investigations

The following environmental investigations have been conducted on the Phase Two Property:

- WESA. 2012a. Phase I Environmental Site Assessment – Former Bakelite Property, 621 Dundas Street East, Belleville, Ontario. January 2012
- WESA. 2012b. Phase II Environmental Site Assessment – Former Bakelite Property, 621 Dundas Street East, Belleville, Ontario. January 2012.
- BluMetric. 2023. Phase One Environmental Site Assessment Update, 621 Dundas Street East, Belleville, Ontario – West Portion of Former Bakelite Property. August 2023.

The Phase One ESA was required to support the filing of a Record of Site Condition (RSC) and for municipal planning approvals. The report has been prepared according to the *"Mandatory Requirements for Phase One Environmental Site Assessment Reports*" in O. Reg. 153/04, to assess whether the Phase Two Property has been subject to any actual or potential contamination.

A Phase One ESA titled "Phase I Environmental Site Assessment, Former Bakelite property at 621 Dundas Street East, Belleville, Ontario" was prepared for 2255718 Ontario Inc. by BluMetric (formerly WESA) in January 2012 (WESA, 2012). In 2023, BluMetric conducted an Updated Phase One ESA titled "Phase One Environmental Site Assessment Update, 621 Dundas Street East, Belleville, Ontario – West Portion of Former Bakelite Property". The 2012 Phase One ESA was for the entire Bakelite property. The 2023 Phase One ESA Update only encompassed the western and southern portions of the Bakelite property. The current Bakelite property owner has plans to

redevelop the western portion of the Bakelite property (i.e., the 2023 Phase One Property) to commercial and residential land. This report provides an updated Phase Two Conceptual Site Model (CSM) that is specific to the Phase Two Property. There have been no changes in land use of the Phase One Property since January 2012.

The provincially significant wetland (PSW) boundary on the former Bakelite property has changed since the 2012 Phase One ESA report. The 2012 Phase One ESA for the Bakelite property outlined a provincially significant wetland (PSWs) that extended onto the current Phase One Property. The boundary of the PSW was taken from online databases. BluMetric subsequently retained an ecologist from Michalski Nielsen Associates Ltd. to establish the wetland boundary in the field (Michalski Nielsen, 2012). A revised wetland boundary was agreed upon between Michalski Nielsen Associates Ltd. and Quinte Conservation.

An updated request for information was filed with Environmental Risk Information Service Ltd. (ERIS) in May 2023 to identify any new environmental records since the 2012 Phase One ESA that may be of potential concern to the Phase One Property. There were 14 records from the List of TSSA Expired Facilities (EXP) database, not included in the ERIS report from the 2012 Phase One ESA. Two records were for the Phase One Property. Twelve records were for 675 Dundas St. E located within the Phase One study area. These records relate to former propane tanks that pose low environmental concern to the Phase One Property. No other new records were identified for the Phase One Property. The 2018 ERIS report is provided in Attachment A.

Based on our site-specific knowledge and the recent ERIS report, no new PCAs or APECs have occurred on the Phase One Property or in the Phase One study area since our original Phase One ESA in 2012.

The Phase Two Property is 14.63 hectares (146,300 square metres (m^2)) in size, irregularly shaped, and is currently vacant. The Phase Two Property is bounded on the north by Dundas Street East and the railway track, on the east by portions of the former Bakelite property that are not part of the Phase Two Property, on the south by wetlands and the Bay of Quinte and on the west by a mix of commercial and residential land. The Phase Two Property generally slopes from the topographically high north property boundary along Dundas Street, down towards the Bay of Quinte and has an elevation of approximately 74 to 83 metres mASL.

Based on reviewed historical records, the Phase Two Property was used as part of the former Bakelite property for industrial and commercial purposes before industrial operations shut down in the late 1980s.

No potable water wells are located on the Phase Two Property. Residential properties adjacent to the east use individual drinking water supply wells, which means that an area of the Phase Two property extending 250 metres west from that property boundary must be considered as a potable groundwater condition. It is therefore assumed that the Phase Two Property and all other properties located, in whole or in part, within 250 metres of the boundaries of the property, are likely not supplied with the municipal drinking-water system as defined in the Safe Drinking Water Act, 2002.

Based on the findings of the Phase One ESA, the QP determined the following potentially contaminating activities (PCAs) have the potential to result in areas of potential environmental concern (APECs) on the Phase Two Property:

Table 4: Areas of Potential Environmental Contamination

APEC	Location of APEC on Property	PCA	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 1a North Drum and Waste Disposal Area (NDWDA)	Northwest portion of the Phase Two Property, north of the west marsh	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	PCBs, VOCs, Metals, As, Sb, Se, Hg, PAHs, PHCs, BTEX, CPs, ABNs	Soil Groundwater
APEC 1b NDWDA	Northwest portion of the Phase Two Property, north of the west marsh	30. Importation of fill material of unknown quality	On-Site	Metal (As, Sb, Se, Hg, Cr(VI)), PCBs, PAHs, PHCs, BTEX, pH, B-HWS (soil only)	Soil
APEC 2 Area C	Northwest portion of the Phase Two Property	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	PCBs, VOCs, Metals (As, Sb, Se, Hg), PAHs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 3 Area D	Central portion of the Phase Two Property, north of the central marsh	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	PCBs, VOCs, Metals (As, Sb, Se, Hg), PAHs, PHCs, BTEX, CPs, ABNs	Soil Groundwater
APEC 4 Area E	West of the former plant	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	PCBs, VOCs, Metals (As, Sb, Se, Hg), PAHs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 5a North Parking Area	North of the former plant	30. Importation of fill material of unknown quality	On-Site	Metal (As, Sb, Se, Hg, CN, Cr(VI)), PCBs, PAHs, PHCs, BTEX, pH, B-HWS (soil only)	Soil Groundwater

APEC	Location of APEC on Property	PCA	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 5b North Parking Area	North of the former plant	Other – Application of De-cing Agent for purpose of Pedestrian & Vehicular Safety under Conditions of Snow or Ice	On-Site	SAR, EC (soil only), Na, Cl (ground water only)	Soil Groundwater
APEC 6 North Fill Area	Northwest corner of the Phase Two Property	30. Importation of fill material of unknown quality	On-Site	PCBs, VOCs, Metals (As, Sb, Se, Hg), PAHs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 7 West Ditch	Extending south along west side of plant to the lagoons	Other: Surface water collection ditch	On-Site	VOCs, PAHs, ABNs, PHCs, BTEX, CPs	Soil Groundwater
APEC 8a	North Tank Farm Adjacent to the northeast of the former main plant	1. Acid and Alkali Manufacturing, Processing, and Bulk Storage	On-Site	Metals (As, Sb, Se, Hg), VOCs, PHCs, BTEX, PAHs, ABNs, CPs, pH (soil only)	Soil Groundwater
APEC 8b		8. Chemical Manufacturing, Processing, and Bulk Storage	On-Site	VOCs, PHCs, BTEX, PAHs, ABNs, CPs	Soil Groundwater
APEC 8c		28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	VOCs, PHCs, BTEX, PAHs	Soil Groundwater
APEC 8d		51. Solvent Manufacturing, Processing, and Bulk Storage	On-Site	BTEX, VOCs	Soil Groundwater
APEC 9a	South Tank Farm Southeast corner of the former main plant building	1. Acid and Alkali Manufacturing, Processing, and Bulk Storage	On-Site	Metals (As, Sb, Se, Hg), VOCs, PHCs, BTEX, PAHs, ABNs, CPs, pH (soil only)	Soil Groundwater
APEC 9b		8. Chemical Manufacturing, Processing and Bulk Storage	On-Site	VOCs, PHCs, BTEX, PAHs, ABNs, CPs	Soil Groundwater
APEC 9c		51. Solvent Manufacturing, Processing, and Bulk Storage	On-Site	BTEX, VOCs	Soil Groundwater
APEC 9d		30. Importation of fill material of unknown quality	On-Site	Metal, As, Sb, Se, Hg, CN, Cr(VI), PAHs, PHCs, BTEX, pH, B-HWS (soil only)	Soil Groundwater
APEC 10 Incinerator	East of the North Tank Farm	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	On-Site	PAH, ABNs, CPs	Soil Groundwater

APEC	Location of APEC on Property	PCA	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 11 Former East and West Lagoon	Central portion of the Phase Two Property to the east of the Central Marsh	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	On-Site	Metals (As, Sb, Se, Hg), PAHs, PCBs, VOCs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 12 Area A & B waste disposal	South portion of the Phase Two Property	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners.	On-Site	PCBs, VOCs, Metals (As, Sb, Se, Hg), PAHs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 13 Former Methanol Tank	South portion of the Phase Two Property	8. Chemical Manufacturing, Processing, and Bulk Storage	On-Site	VOCs, Metals (As, Sb, Se, Hg), PCBs	Soil Groundwater
APEC 14 Pump House	South tip of the Phase Two Property	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	Metals, PHC, PAH, BTEX	Soil Groundwater
APEC 15 Settling Basin	North of the Central Marsh	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	Metals, As, Sb, Se, Hg, PAHs, PHC, BTEX, PCBs, VOCs, CPs, ABNs	Soil Groundwater
APEC 16 Tank 27	Northeast of settling basin	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX, PAHs	Soil Groundwater
APEC 17 Tank 40	South of boiler house	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX, PAHs	Soil Groundwater
APEC 18 Tank 22	East of boiler house	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX, PAHs	Soil Groundwater
APEC 19 Formaldehyde Plant tank farm	South of formaldehyde plant	8. Chemical Manufacturing, Processing and Bulk Storage	On-Site	VOCs, PHCs, BTEX PAH	Soil Groundwater
APEC 20 Area of drainage	Southwest of main plant building	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	Metals (As, Sb, Se, Hg), PCBs, VOCs, PAHs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 21 Maintenance shop (including Tank 68)	Northwest part of former main plant building	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	Metals (As, Sb, Se, Hg), PHCs, BTEX, PAHs, VOCs	Soil Groundwater
APEC 22 PCB Waste Storage Area	Southwest part of former main building	Other – Storage of PCB waste	On-Site	PCBs	Soil Groundwater

APEC	Location of APEC on Property	PCA	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 23 Indoor bulk chemical storage	Northeast part of former main building	1. Acid and Alkali Manufacturing, Processing, and Bulk Storage	On-Site	PHCs, BTEX, PAHs, VOCs, ABNs, CPs, pH (soil only)	Soil Groundwater
APEC 24 Indoor and outdoor bulk chemical storage	Southeast part of the former main building	8. Chemical Manufacturing, Processing and Bulk Storage	On-Site	PHCs, BTEX, PAHs, VOCs, ABNs, CPs, pH (soil only)	Soil Groundwater
APEC 25 Caustic Lagoon and Pre-treatment Lagoon	West of main plant building	58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	On-Site	PCBs, VOCs, Metals (As, Sb, Se, Hg), PAHs, PHC, BTEX, CPs, ABNs	Soil Groundwater
APEC 26 Former Rail Spur	Northwest area of the Phase Two Property	46. Rail Yards, Tracks and Spurs	On-Site	Metals, PAHs, PHCs	Soil Groundwater
APEC 27a East ditch	Northeast area of the Phase Two Property, near north tank farm	Other: Surface water collection ditch	On-Site	VOCs, PAHs, ABNs, PHCs, BTEX, CPs	Soil Groundwater
APEC 27b East ditch			Off-Site		
APEC 28a Off-Site PCAs to the North	Entire northern boundary of the Phase Two Property	28. Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	PHCs, BTEX	Groundwater
APEC 28b Off-Site PCAs to the North		46. Rail Yards, Tracks, and Spurs	Off-Site	Metals (As, Sb, Se, Hg), PAHs, PHCs, BTEX	Groundwater
APEC 28c Off-Site PCAs to the North		52. Storage, Maintenance, Fueling, and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems	Off-Site	PHCs, BTEX	Groundwater
APEC 29a Off-Site PCAs to the east	Northeast edge of the Phase Two Property	1. Acid and Alkali Manufacturing, Processing, and Bulk Storage	Off-Site	Metals (As, Sb, Se, Hg), PHCs, BTEX, PAHs, VOCs, ABNs, CPs, pH (soil only)	Groundwater
APEC 29b Off-Site PCAs to the east		2. Adhesives and Resins Manufacturing, Processing and Bulk Storage	Off-Site	Metals (As, Sb, Se, Hg), PHCs, BTEX, PAHs, VOCs, ABNs, CPs, pH (soil only)	Groundwater
APEC 29c Off-Site PCAs to the east		8. Chemical Manufacturing, Processing and Bulk Storage	Off-Site	Metals (As, Sb, Se, Hg), PHCs, BTEX, PAHs, VOCs, ABNs, CPs, pH (soil only)	Groundwater

APEC	Location of APEC on Property	PCA	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted
APEC 29d Off-Site PCAs to the east		28. Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	Metals (As, Sb, Se, Hg), PHCs, BTEX, PAHs, pH (soil only)	Groundwater
APEC 29e Off-Site PCAs to the east		51. Solvent Manufacturing, Processing and Bulk Storage	Off-Site	VOCs, pH (soil only)	Groundwater
APEC 29f Off-Site PCAs to the east		58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Off-Site	Metals (As, Sb, Se, Hg), PHCs, BTEX, PAHs, VOCs, ABNs, CPs, pH (soil only)	Groundwater

Notes:
Acronyms are defined as follows:

- AST – above ground storage tank
- PHCs – petroleum hydrocarbons
- PAHs – polycyclic aromatic hydrocarbons
- BTEX – benzene, toluene, ethylbenzene and xylenes
- VOCs – volatile organic compounds
- ABNs – acid/base/neutrals
- CPs – chlorophenols
- PCBs – polychlorinated biphenyls

BluMetric's 2023 Phase One ESA update also identified PCAs outside the Phase One Property within the Phase One Study Area. The PCAs noted in the Phase One Study Area are shown on Figure 1-7a and 1-7b and include:

Table 5: PCAs

Off-Site Potentially Contaminating Activities (O. Reg. 153/04 Schedule D, Table 2)	Description and Location
1. Acid and Alkali Manufacturing, Processing and Bulk Storage	The east adjacent property (formerly part of the Phase Two Property) was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The use and storage of acids was required for the manufacturing process, and reportedly occurred at locations within the South Tank Farm on the Phase One Property.
2. Adhesives and Resins Manufacturing, Processing and Bulk Storage	The east adjacent property (formerly part of the Phase Two Property) was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The use and storage of adhesives and resins was required for the manufacturing process, and reportedly occurred at locations within Northeast Tank Farm on the east adjacent property.
8. Chemical Manufacturing, Processing and Bulk Storage	The east adjacent property (formerly part of the Phase Two Property) was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The use and storage of chemicals was required for the manufacturing process, and reportedly occurred at locations within the Northeast Tank Farm (east adjacent property), the South Tank Farm (Phase One Property), and the Hexa Plant (Phase One Property).

Off-Site Potentially Contaminating Activities (O. Reg. 153/04 Schedule D, Table 2)	Description and Location
18. Electricity Generation, Transformation and Power Stations[1]	An electrical substation was historically present along the eastern property boundary. The footprint of this area is referred to as the Northeast Substation.
28. Gasoline and Associated Products in Fixed Tanks[2]	The east adjacent property (formerly part of the Phase Two Property) was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. Diesel and other petroleum products were reportedly stored in tanks at the Northeast Tank Farm.
30. Importation of Fill Material of Unknown Quality	Fill and debris have reportedly been placed in numerous areas on the east adjacent property. The North Parking Area is reported to have large amounts of fill.
51. Solvent Manufacturing, Processing, and Bulk Storage[3]	The east adjacent property (formerly part of the Phase Two Property) was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The use and storage of solvents was required for the manufacturing process, and reportedly occurred at locations within the South Tank Farm (located on the Phase One Property).
52. Storage, Maintenance, Fueling, and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems[4]	A taxi company and automobile dealership is located northwest of the Phase Two Property. Their operations would have included vehicle maintenance which would have required the storage of lubricating oil, waste oil, and solvents in tanks.
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as conditioners	The east adjacent property (formerly part of the Phase Two Property) was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. Some waste and drums were landfilled/buried on the Phase Two Property. These activities reportedly occurred within Area F and Area P on the east adjacent property. An incinerator was utilized to dispose of some waste. From 2006 through 2009, the vicinity of Area P and the southeast parking lot was utilized as a waste transfer station for recyclable materials[5] on the east adjacent property.

[1] This activity was recognized at the time of the 2012 Phase One ESA, but it was not listed as a historical PCA in the 2012 report; however, the APECs and COPCs associated with this PCAs were captured in the 2012 Phase One ESA report and subsequent Phase Two ESA.

[2] This activity was recognized at the time of the 2012 Phase One ESA, but it was not listed as a historical PCA in the 2012 report; however, the APECs and COPCs associated with this PCAs were captured in the 2012 Phase One ESA report and subsequent Phase Two ESA.

[3] This activity was recognized at the time of the 2012 Phase One ESA, but it was not listed as a historical PCA in the 2012 report; however, the APECs and COPCs associated with this PCAs were captured in the 2012 Phase One ESA report and subsequent Phase Two ESA.

[4] The 2012 Phase I ESA considered this as PCA 10.
[5] The 2012 phase I ESA associated 'PCA 49 – salvage yard, including automotive wrecking' with the former waste transfer station. Based on our current review, PCA 58 better represents the historic activities.

Due to their proximity to the Phase Two Property and the inferred groundwater flow direction to the south, the north parking area, Northeast Tank Farm and South Tank Farm have a potential to pose an environmental concern to the Phase Two Property. The north parking area, the Northeast Tank Farm and South Tank Farmare cross-gradient to and adjacent to the Phase Two Property.

Due to their distance to the Phase Two Property and the inferred groundwater flow direction, the taxi company and automobile dealership and Area F have low potential of posing an environmental concern to the Phase One Property. These areas are cross-gradient to the Phase Two Property.

Road salt-related impacts may be a concern from run-off from Dundas Street to the Phase Two Property. Additionally, road salt may have been used on the Phase Two Property in parking areas and on access roadways. Although road salt use does not constitute any specific PCA, as per O. Reg. 153/04, these activities are considered likely to pose environmental concern for the Phase Two Property.

The 2023 records searches did not identify new PCAs relative to the 2012 Phase I ESA; however, some PCAs identified in 2012 have been renumbered in this report to better reflect the regulation.

4 SCOPE OF THE INVESTIGATION

Environmental soil and groundwater sampling and analyses were conducted from 2011 to 2023 by WESA and BluMetric.

4.1 OVERVIEW OF SITE INVESTIGATION

Phase Two ESA investigations on the property by BluMetric happened in several stages between 2011 and 2023. The soil and groundwater sampling conducted on the Phase Two Property in 2022 and 2023, was to address all APECs identified by the Phase One ESA. A summary of the Phase Two ESA investigations conducted are provided below.

- Review of the Phase One ESA and development of an appropriate Sampling & Analyses Plan;
- Prior to any subsurface activities, all buried utilities were located at the Phase Two Property by local utility providers and by a private utility locator;
- A site-specific health and safety plan (HASP) was prepared;
- In June and July 2011, 87 boreholes were advanced on the Phase Two Property, as shown in *Figure 1-8*. Soil samples were collected from each borehole and were submitted for laboratory analysis of COPCs.
- During this time, BH/MW22, BH/MW23, BH/MW24, BH/MW25, BH/MW26, BH/MW50, BH/MW78, BH/MW79, BH/MW80, BH/MW81, BH/MW82, BH/MW84, BH/MW121, BH/MW130, BH/MW146, BH/MW148, BH/MW149, BH/MW151, BH/MW152, and BH/MW156 were completed as monitoring wells and developed.
    - Soil samples collected from BH23, BH24, BH25, BH90, BH91, BH92, BH93, BH94, BH96, BH113, BH116, BH126, BH133, BH134 and BH145 exceeded the applicable SCS for metals and hydride forming metals including arsenic, barium, cadmium, copper, lead, molybdenum, nickel, selenium, thallium, vanadium, zinc at depths ranging from 0.6 – 1.9 mbgs.
    - Soil samples collected from BH49, BH53, BH92, BH126, BH133, BH144 and BH145, exceeded the applicable SCS for PHC F1-F4 at depths of 0.6 – 2.2 m bgs.
    - As shown in *Figure 2-05a*, concentrations of PAH in soil were found to exceed the applicable SCS in BH25, BH79, BH16, BH52, BH53, BH88, BH89, BH92, BH101, BH108. BH109, BH111, BH113, BH133, BH134, BH144 and BH145 at depths of 0.3 – 2.2 m bgs.
    - Soil samples collected from BH52, BH133 and BH134, exceeded the applicable SCS for ABN at depths of 0.6 to 1.5 m bgs (*Figure 2-07a*).
    - Soil samples collect from BH52, BH89, BH133, BH134, BH144 and BH145 exceeded the applicable SCS for BTEX at depths of 0.6 to 2.2 m bgs (*Figure 2-06*a).

- Soil samples collected from BH25, BH26, BH71, BH75, BH83, BH89, BH109, BH126, BH133 and BH134 exceeded the applicable SCS for PCBs at depths of 0.3 to 1.5 m bgs (*Figure 2-08a*).
- Measured concentrations of VOCs and chlorophenols in soil samples were below the applicable SCS.
- Groundwater samples were collected from each monitoring well and submitted for laboratory analysis of COPCs. The result reported by the laboratory indicated that the concentration of all COPCs in groundwater were below the applicable SCS.

- No free product was observed in any monitoring wells inspected across the Site.

4.2 MEDIA INVESTIGATED

4.2.1 Rationale

The media investigated on the Phase Two Property are as follows:

Table 6: Media Investigated

Media Investigated	Rationale
Soil	APECs identified by the Phase One ESA considered to be potentially impacted and some areas previously investigated were known to have impacts, although no environmental reports were provided for review.
Groundwater	APECs identified by the Phase One ESA considered to be potentially impacted.

As the Phase Two Property does not include any surface waterbodies necessary for the presence of surface water or sediment, these medias were not investigated during the Phase Two ESA.

The Phase One ESA identified nine (9) on-site PCAs that may have resulted in contaminant impacts to soil and groundwater beneath the Phase Two Property and defined the associated forty-four (44) APECs within which the Phase Two ESA should be focused. Table 4 describes each APEC and potential COCs associated with each individual APECs.

4.2.2 Field Program Summary

The Phase Two ESA field investigation programs were conducted as summarized as follows:

- Installation and Sampling of Historical Wells – July 2011 to 2012
- Sampling of Historical Wells – July 2022
- Test Pit excavation – December 2022
- Installation and Sampling of New Wells—December 2022 to January 2023

The investigation was conducted in compliance with the Sampling and Analyses Plan (Appendix A), with the exception listed in Section 4.4, and comprised a total of twenty-nine (29) new boreholes that were advanced within the Phase Two Property, all of which were completed as groundwater monitoring wells.

Representative samples of soil and groundwater media were collected during the field investigation programs. The subsurface geological and hydrogeological conditions were established from visual observations and measurements of collected soil samples, and subsequent groundwater measurements. Soil and groundwater quality data was obtained from visual and olfactory observations, vapour screening measurements, and laboratory analytical data.

4.3 PHASE ONE CONCEPTUAL SITE MODEL

4.3.1 Overview

The Phase One Property is located in Belleville, Ontario. The Phase One Property is bounded on the north by Dundas Street East and the CP Rail tracks, on the east by portions of the former Bakelite property that are not part of the Phase Two Property, on the south by wetlands and the Bay of Quinte and on the west by a mix of commercial and residential land. Northwest of the former Bakelite property is a taxi and car dealership. A warehouse that historically stored PCBs is located 117 m east of the Phase One Property. The general location of the Phase One Property is shown on Figure 1-01. The Phase One study area and its features are presented on Figure 1-05.

The Phase One Property and its features are presented on Figure 1-05. The Phase One Property:

- consists of a large irregularly shaped vacant lot which covers an area of approximately 11.83 hectares (ha).
- is the western portion of the former Bakelite property, and
- is over 30 metres (m) from the provincially significant wetland (PSW) boundary (there are no areas of natural significance on the Phase One Property).

The former Bakelite property had been used for industrial and commercial purposes since the late 1940s. From 1947 to 1959, the property was owned and operated by the Bakelite Company of Canada. In 1959, the property and operations were purchased by Union Carbide Canada and then transferred to Bakelite Thermoset Limited in 1976. Between the late 1940s and 1989 the former Bakelite property was used as a chemical manufacturing and resin (Bakelite) production facility. Industrial operations shut down in 1989 and the property was largely inactive through the 1990s, with environmental clean-up and facilities decommissioning being carried out. The property was sold to Mr. Jim Sinclair under the name Thermoset Limited in 2006 who intended to redevelop

the property. Extensive earthwork and building demolition was conducted between 2006 and 2009. During this period, the property was used as a waste transfer station for recyclable materials. The Bakelite property is currently vacant and non-operational.

Several areas were discussed by WESA (2012) in the original Phase One ESA within the west portion of the former Bakelite property that constitutes the current Phase One Property. These areas are shown on Figure 1-05 and include:

- The plant where the manufacturing of resins took place referred to as the Main Plant. Above ground storage tanks containing liquid resin and sulphuric acid. A rail spur historically lead to the southwest corner of the Main Plant. A ditch historically ran between the Main Plant footprint and the lagoons in Area E (referred to as the West Ditch). A great deal of the infrastructure associated with this area has now been demolished. The ditch, which ran in a north-south orientation, no longer exists. The only remaining building within this area was used as an equipment storage area by J. Sinclair during his ownership. Historical studies in this area identified polycyclic aromatic hydrocarbons (PAHs), acid/base/neutral compounds (ABNs), benzene, toluene, ethylbenzene, and xylenes (BTEX), and metals as contaminants of concern.
- A bulk chemical storage area referred to as the North Tank Farm. Aboveground storage tanks (ASTs) containing liquid resin, distillate, caustic, and toluol were historically present in this area. Several spills were reported to provincial regulators during plant operations. A dowtherm heat exchanger was also present in this area. Historical studies within this area have indicated the presence of solvent and caustic odours, black staining, BTEX, phenolics, tetraline, and metals.
- A smaller chemical manufacturing plant referred to as the Formaldehyde Plant. The Formaldehyde Plant housed chemical manufacturing operations for utilization in the Bakelite process carried out in the Main Plant. ASTs containing formaldehyde, methanol, and sulfuric acid were historically found in this area.
- A Boiler House that created steam used both for plant heating and as a catalyst for chemical reactions. ASTs containing bunker oil and light fuel oil were historically present in this area.
- An area of buried contaminated sediment referred to as Area E. This area was used to dispose of PCB impacted sediment from the embayment on the Bakelite property from 2006 to 2009.
- An area of buried industrial waste referred to as Area D.
- An area containing a large amount of uncharacterized fill material referred to as the North Fill Area.
- Several lagoons utilized as holding areas for liquid waste during plant operation referred to as the Caustic Lagoon, the Pre-Treatment Lagoon, and the Former East and West Lagoon. Initially, plant effluent flowed primarily to the East and West Lagoons, prior to discharge directly to the Bay of Quinte. In 1971 a pre-treatment lagoon was installed in Area E.

Effluent from this lagoon was discharged to the municipal sanitary sewer and the East and West Lagoons became inactive. These areas were decommissioned and excavated in the 1990s and impacted sludge was disposed of off-site.

- A Settling Basin used as a clarification step before effluent flowed into the East and West Lagoons. The Settling Basin was decommissioned in 1996, decommissioning included the removal and off-site disposal of all the sludge in the basin and the confirmation sampling and analysis of the concrete walls of the basin. The area was then backfilled with granular material and re-vegetated.
- A wastewater treatment reservoir referred to as the South Containment Reservoir. Industrial sludge may have been deposited at the location during plant operations.
- An incinerator used for disposal of industrial liquid waste, including high strength phenolic liquids.

Several areas were identified by WESA (2012) that were within the rest of the former Bakelite property that constitute the current Phase One study area. These areas are shown on Figure 1-05 and include:

- An area containing a large amount of fill material referred to as The North Parking Area. The previous owner, J. Sinclair, reportedly imported an unconfirmed volume of uncharacterized fill material and deposited it along the western edge of the North Parking Area. Mr. Sinclair maintained a living trailer, office, and several storage trailers in this area during his ownership. These trailers have since been removed.
- A bulk chemical storage area referred to as the Northeast Tank Farm, Ditch and Vault. This area was historically used for the storage of liquid resins. ASTs containing nonyl-phynol and diesel fuel were present in this area. In 1999, a metal lined ditch was identified running south from the area of the tank farm. The ditch terminated at a concrete vault on the south side of the tank farm. It is assumed that the ditch and vault were utilized for the conveyance and storage of liquids spilled in the vicinity of the northeast tank farm. Historical studies within this area have indicated the presence of phenolics, polychlorinated biphenyls (PCBs), and metals, as well as a non-ignitable or leachable industrial waste contained within the vault. Resin debris within surface soil have also been identified in this area.
- Another bulk chemical storage area referred to as the South Tank Farm. Several raw and finished products were stored in this area in ASTs, including toluol, caustic, phenol, formaldehyde, methanol, and anhydrous ammonia. Historical studies within this area have indicated the presence of phenolics, metals, and slag.
- An electrical substation for the plant referred to as the Northeast Substation.
- A smaller chemical manufacturing plant referred to as the Hexa Plant. The Hexa Plant housed chemical manufacturing operations for utilization in the Bakelite process carried out in the Main Plant.

- An area of buried industrial waste referred to as Area P. During the earlier operation of the plant, some of the facility's solid and liquid industrial wastes were buried in this area. The liquid waste was generally stored in drums and then buried. The solid waste, such as out of specification products, were generally deposited directly in the dump area. Several hundred drums and other industrial waste have been removed from this area. More recently, the previous property owner used the vicinity around Area P and the southeast parking lot as a waste transfer station. Recyclable materials, including scrap metal, were stored in open bins in this area. This activity was not approved by Ministry of Environment, Conservation and Parks (MECP).
- An area used for drum storage referred to as Area F. This area was historically used for the storage and processing of drums containing liquid and solid waste during the plant operations. Historical studies indicated that the area was impacted with phenols and toluene. Pieces of resins and a faint solvent odour were noted within this area during test-pitting. Subsequently, the upper 0.3 m of soil within this area was removed for off-site disposal.

4.3.2 Potentially Contaminating Activities (PCAs)

The 2023 records searches did not identify any new PCAs relative to the 2012 Phase One ESA. The PCAs identified below are based on the results of the 2012 Phase One ESA.

Nine PCAs were identified on the Phase One Property based on the 2012 Phase One ESA report and are shown on Figure 1-7a. These concerns are associated with PCAs as defined in O. Reg. 153/04. The PCAs noted on the Phase One Property include:

Table 7: On-Site PCAs

Potentially Contaminating Activities (O. Reg. 153/04 Schedule D, Table 2)	Description and Location
1. Acid and Alkali Manufacturing, Processing and Bulk Storage	The Phase One Property was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The use and storage of acids was required for the manufacturing process, and reportedly occurred at locations within the Main Plant, the North Tank Farm and Dowtherm Heat Exchanger and the Formaldehyde Plant.
2. Adhesives and Resins Manufacturing, Processing and Bulk Storage	The Phase One Property was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The use and storage of adhesives and resins was required for the manufacturing process, and reportedly occurred at locations within the Main Plant, and the North Tank Farm and Dowtherm Heat Exchanger.
8. Chemical Manufacturing, Processing and Bulk Storage	The Phase One Property was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The use and storage of chemicals was required for the manufacturing process, and reportedly occurred at locations within the Main Plant, the North Tank Farm and Dowtherm Heat Exchanger, the South Tank Farm, and the Formaldehyde and Hexa Plant.

Potentially Contaminating Activities (O. Reg. 153/04 Schedule D, Table 2)	Description and Location
28. Gasoline and Associated Products in Fixed Tanks	The phase One Property was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. Diesel and other petroleum products were reportedly stored in tanks at the Boiler House. Petroleum based sludge was present in the South Containment Reservoir by the Boiler House.
30. Importation of Fill Material Of Unknown Quality	Fill and debris have reportedly been placed in numerous areas on the Phase One Property. The North Fill Area was noted to have a large amount of fill.
43. Plastics (including Fibreglass) Manufacturing and Processing	The Phase One study area was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The manufacturing of plastics occurred within the Main Plant.
46. Rail Yards Tracks and Spurs	A former rail spur extended from the CP rail line to the Main Plant. The CP rail line runs along the northern boundary of the Phase One Property.
51. Solvent Manufacturing, Processing, and Bulk Storage[6]	The Phase One study area was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The use and storage of solvents was required for the manufacturing process, and reportedly occurred at locations within the North Tank Farm and Dowtherm Heat Exchanger, and the Formaldehyde Plant.
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as conditioners	The Phase One Property was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. Some waste and drums were landfilled/buried on the Phase One Property These activities reportedly occurred within Area E, the Caustic and Pre-treatment Lagoons, Area D, the Setting Basin, and the Former East and West Lagoon. An incinerator located east of the main plant building between north and northeast tank farms was also utilized to dispose of some waste within the Phase One Property.

Nine PCAs were identified in the phase One study area based on the 2012 Phase One ESA report and are shown on Figure 1-07a. These concerns are associated with PCAs as defined in O. Reg. 153/04. The PCAs noted in the Phase One study area include:

Table 8: Off-Site PCAs

Potentially Contaminating Activities (O. Reg. 153/04 Schedule D, Table 2)	Description and Location
1. Acid and Alkali Manufacturing, Processing and Bulk Storage	The east adjacent property (formerly part of the Phase One Property) was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The use and storage of acids was required for the manufacturing process, and reportedly occurred at locations within the South Tank Farm on the Phase One Property.

[6] This activity was recognized at the time of the 2012 Phase One ESA, but it was not listed as a historical PCA in the 2012 report; however, the APECs and COPCs associated with this PCA was captured in the 2012 Phase One ESA report and subsequent Phase Two ESA.

Potentially Contaminating Activities (O. Reg. 153/04 Schedule D, Table 2)	Description and Location
2. Adhesives and Resins Manufacturing, Processing and Bulk Storage	The east adjacent property (formerly part of the Phase One Property) was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The use and storage of adhesives and resins was required for the manufacturing process, and reportedly occurred at locations within Northeast Tank Farm on the east adjacent property.
8. Chemical Manufacturing, Processing and Bulk Storage	The east adjacent property (formerly part of the Phase One Property) was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The use and storage of chemicals was required for the manufacturing process, and reportedly occurred at locations within the Northeast Tank Farm (east adjacent property), the South Tank Farm (Phase One Property), and the Hexa Plant (Phase One Property).
18. Electricity Generation, Transformation and Power Stations[7]	An electrical substation was historically present along the eastern property boundary. The footprint of this area is referred to as the Northeast Substation.
28. Gasoline and Associated Products in Fixed Tanks[8]	The east adjacent property (formerly part of the Phase One Property) was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. Diesel and other petroleum products were reportedly stored in tanks at the Northeast Tank Farm.
30. Importation Of Fill Material Of Unknown Quality	Fill and debris have reportedly been placed in numerous areas on the east adjacent property. The North Parking Area is reported to have large amounts of fill.
51. Solvent Manufacturing, Processing, and Bulk Storage[9]	The east adjacent property (formerly part of the Phase One Property) was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. The use and storage of solvents was required for the manufacturing process, and reportedly occurred at locations within the South Tank Farm (located on the Phase One Property).
52. Storage, Maintenance, Fueling, and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems[10]	A taxi company and automobile dealership is located northwest of the Phase One Property. Their operations would have included vehicle maintenance which would have required the storage of lubricating oil, waste oil, and solvents in tanks.

[7] This activity was recognized at the time of the 2012 Phase One ESA, but it was not listed as a historical PCA in the 2012 report; however, the APECs and COPCs associated with this PCAs were captured in the 2012 Phase One ESA report and subsequent Phase Two ESA.

[8] This activity was recognized at the time of the 2012 Phase One ESA, but it was not listed as a historical PCA in the 2012 report; however, the APECs and COPCs associated with this PCAs were captured in the 2012 Phase One ESA report and subsequent Phase Two ESA.

[9] This activity was recognized at the time of the 2012 Phase One ESA, but it was not listed as a historical PCA in the 2012 report; however, the APECs and COPCs associated with this PCAs were captured in the 2012 Phase One ESA report and subsequent Phase Two ESA.

[10] The 2012 Phase One ESA considered this as PCA 10.

Potentially Contaminating Activities (O. Reg. 153/04 Schedule D, Table 2)	Description and Location
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as conditioners	The east adjacent property (formerly part of the Phase One Property) was utilized from the late 1940s through 1989 to manufacture and store plastics and resins. Some waste and drums were landfilled/buried on the Phase One Property. These activities reportedly occurred within Area F and Area P on the east adjacent property. An incinerator was utilized to dispose of some waste. From 2006 through 2009, the vicinity of Area P and the southeast parking lot was utilized as a waste transfer station for recyclable materials[11] on the east adjacent property.

Due to their proximity to the Phase One Property and the inferred groundwater flow direction to the south, the north parking area, Northeast Tank Farm and South Tank Farm have a potential to pose an environmental concern to the Phase One Property. The north parking area, the Northeast Tank Farm and South Tank Farmare cross-gradient to and adjacent to the Phase One Property.

Due to their distance to the Phase One Property and the inferred groundwater flow direction, the taxi company and automobile dealership and Area F have low potential of posing an environmental concern to the Phase One Property. These areas are cross-gradient to the Phase One Property.

Road salt-related impacts may be a concern from run-off from Dundas Street to the Phase One Property. Additionally, road salt may have been used on the Phase One Property in parking areas and on access roadways. Although road salt use does not constitute any specific PCA, as per O. Reg. 153/04, these activities are considered likely to pose environmental concern for the Phase One Property.

The 2023 records searches did not identify new PCAs relative to the 2012 Phase One ESA; however, some PCAs identified in 2012 have been renumbered in this CSM to better reflect the regulation.

4.3.3 Areas of Potential Environmental Concern

Information for the PCAs was combined with information about location (including distance and direction from the property in the case of PCAs outside the property), local geology, hydrogeology, and other information assembled during the Phase One ESA (WESA, 2012) to determine which PCAs are APECs. The APECs for the Phase One ESA are listed in above in Table 4. These are the same APECs identified in the 2012 Phase One ESA report for the former Bakelite property; however, only APECs specific to the western portion of the former Bakelite property are listed and

[11] The 2012 phase one ESA associated 'PCA 49 – salvage yard, including automotive wrecking' with the former waste transfer station. Based on our current review, PCA 58 better represents the historic activities.

have been updated accordingly to current MECP Standards. The locations of the APECs are shown in Figure 1-07b.

4.3.4 Subsurface Structures and Utilities on Phase One Property

A sanitary sewer and other regional utilities run in an east-west direction along the north edge of the Phase One Property. Several old, buried pipes run along the east side of the central pond and extend from the former factory building to the pump house located at the edge of the Bay of Quinte. A disconnected sanitary pipe remains visible near the cement pad. The presence of these underground utilities may affect groundwater flow, depending on the depth of the groundwater table.

4.3.5 Geological and Hydrogeological Information

The Phase One Property is located on a small peninsula that extends into the Bay of Quinte. A ponded water area is seasonally found on the Phase One Property. There are no areas of natural significance on the Phase One Property. It is over 30 metres (m) from the provincially significant wetland (PSW) boundary. The phase one property generally slopes from the topographically high north property boundary along Dundas Street, down towards the Bay of Quinte.

The southeastern corner of the Phase One Property is located within an Environmental Control Zone (By-Law 10245).

Published accounts describe overburden in the area as glaciolacustrine silt and clay grading upward to massive to laminated or bedded sand and silt (Leyland, 1982). There has been a considerable amount of disturbance of the overburden across much of the Phase One Property as a result of the past development and operation of the Bakelite plant and the subsequent disturbances when the buildings and facilities were decommissioned. As a result of these disturbances, the overburden stratigraphy is relatively variable, with fill encountered across much of the northern portion of the Phase One Property.

Published accounts describe bedrock in the area as interbedded limestone and shale of the Middle Ordovician Verulam Formation. This formation is approximately 60 metres in thickness in the Belleville area and is underlain by limestone with calcarenite and shale partings of the Bobcaygeon Formation. The beds generally dip at approximately 2% to the south. The upper portion of the bedrock is relatively weathered and fractured to a depth of approximately 3 to 4 metres.

It is anticipated that surface water run-off generally infiltrates on the Phase One Property and that groundwater flows towards the Bay of Quinte.

4.3.6 Absence of Information Obtained within the Phase One ESA

Access to the Phase One Property was given where possible. No information gaps were identified during the Phase One ESA which may affect the validity of the CSM.

4.4 Deviations From Sampling And Analysis Plan

As described in Appendix A, originally 40 boreholes and/or test pits were proposed to be advanced on the Phase Two Property. Based on site access, only 36 boreholes and/or test pits were advanced during the Phase Two ESA activities.

There were no further deviations from the Sampling and Analysis Plan (SAP)

4.5 Impediments

There were no impediments to drilling activities.

5 INVESTIGATION METHOD

5.1 GENERAL

BluMetric completed a Phase One ESA for the Phase Two Property, which culminated in the preparation of a CSM that identified all PCAs within, and proximal to the Phase Two Property, and described associated APECs within the Phase Two Property.

The Phase Two ESA field investigation employed appropriate methods by which samples of potentially impacted soil and groundwater media within the identified APECs could be collected and submitted for laboratory analyses. The methods used during the Phase Two ESA comprised: sampling existing monitoring wells; drilling boreholes; digging test pits; collecting soil samples from boreholes and test pits; field screening of all soil samples (for selection of samples for laboratory analysis); installing monitoring wells in boreholes; developing monitoring wells (by purging); and collecting groundwater samples for laboratory analysis of water quality parameters.

Standard sampling procedures described in Section 5.4 were followed throughout the investigation. Groundwater sampling methods are described in Section 5.8.

5.2 SAMPLING EXISTING MONITORING WELLS AND BOREHOLES

In July 2011, twenty-four monitoring wells were installed and sampled for soil on the Phase Two Property. These wells were then subsequently sampled for groundwater. Details about these boreholes and results from the soil and groundwater samples can be found in the report titled "*Phase II Environmental Site assessment, 621 Dundas Street East, Belleville, Ontario"* prepared by WESA. Additionally, in November 2012, 34 test pits were dug and sampled, and the details and results from these samples can be found in the WESA Phase II report (WESA, 2012).

Further sampling of twenty-two existing monitoring wells was completed between July 12 and July 14, 2022. Two existing monitoring wells could not be sampled during this event. MW121 could not be located in an area of dense brush, and MW128 was found in damaged condition. Key observations/results of the July 2022 groundwater sampling event were considered for development/updating of the Phase Two ESA scope of work (BluMetric, 2022). In summary, contaminant concentrations exceeding the applicable SCS were reported in 5 of the 22 groundwater samples collected.

5.3 DRILLING

In December 2022, BluMetric supervised the drilling of 29 additional boreholes and seven test pits, summarized as follows:

Table 9: Drilling Program Summary

Drilling Program	Preliminary Soil Sampling – 2022
Date(s)	December 13 – 23, 2022
Boreholes	BH/MW128R, BH/MW201, BH/MW202, BH/MW203, BH/MW204, BH/MW205, BH/MW206, BH/MW207, BH/MW208, BH/MW209, BH/MW210, BH/MW211, BH/MW212, BH/MW213, BH/MW214, BH/MW 215, BH/MW216, BH/MW217, BH/MW218, BH/MW219, BH/MW220, BH/MW221, BH/MW222, BH/MW223, BH/MW224, BH/MW228, BH/MW 232, BH/MW234, BH/MW235
Test Pits	BH/TP225, BH/TP227, BH/TP229, BH/TP230, BH/TP231, BH/TP233, BH/TP236
Contractor	Canadian Environmental Drilling
Equipment Used	CME55 Drill Rig with HS Auger and Solid Air Hammer
Decontamination Method	All sampling equipment washed down with Alconox Detergent prior to re-use. All wash water collected by the driller and taken off-site.
Primary Sample Frequency	Interval Sampling until bedrock.
Sub-Sample Frequency	Discrete sub-samples collected from split-spoon soil cores for laboratory analyses.

Canadian Environmental Drilling is licensed under Ontario Regulation 903 as amended by Ontario Regulation 128/04 (Wells).

Borehole, monitoring well, and test pit locations are shown in Figure 1-08. Borehole logs are provided in Appendix B.

5.4 SOIL SAMPLING

In accordance with the Sampling and Analyses Plan (Appendix A), the analytical program was designed to target APECs identified at the Phase Two Property as discussed in Section 4.3. Soil samples were selected and submitted for chemical analyses according to their location and depth on the Phase Two Property. Soil samples submitted for chemical analysis were collected from the boreholes located within the APECs, as well as from boreholes located outside the APECs, for delineation purposes.

Primary (split spoon) soil cores were initially subjected to vapour screening to determine the potential presence of hydrocarbon vapours. The soil cores were subsequently examined in the field for lithology as well as for aesthetic evidence of impact (i.e., debris, staining and odours).

Discrete sub-samples were then collected from the split-spoon soil cores for laboratory analyses. A gloved hand was used to collect sub-samples of the primary soil core samplers.

A summary of the chemical analyses conducted on soil samples collected from the site from boreholes and test pits are provided in the Table 10.

Table 10: Soil Chemical Analyses of Boreholes and Test Pits 2011-2022

Interval Name	Sample Date	Sample Depth	ABN	BTEX	CPs	HFM	Metals	OC	ORP	PAH	PCB	PHC	THM	VOC
BH/MW 50-SS7	2011-Jul-05	3.7 - 4.3	N	N	N	NT	NT	NT	NT	N	N	N	NT	NT
BH/MW 78-SS2	2011-Jul-08	0.6 - 0.9	N	N	N	NT	NT	NT	NT	N	N	N	NT	N
BH/MW 79-SS1	2011-Jul-08	0.3 - 1.1	N	NT	N	NT	NT	NT	NT	Y	N	NT	NT	NT
BH/MW 79-SS2	2011-Jul-11	1.1 - 1.4	N	N	N	NT	NT	NT	NT	Y	NT	N	NT	N
BH/MW 80-SS1	2011-Jul-11	0.6 - 1.2	N	N	N	N	N	NT	N	N	N	N	NT	N
BH/MW 81-SS1	2011-Jul-11	0.0 - 0.9	N	N	N	NT	NT	NT	NT	N	N	N	NT	N
BH/MW 81-SS1	2011-Jul-18		N	NT	NT	NT	NT	NT	NT	N	NT	NT	NT	NT
BH/MW 84-SS4	2011-Jul-13	1.8 - 2.2	N	N	N	NT	NT	NT	NT	N	N	N	NT	N
BH/MW 121-SS4	2011-Jul-22	1.9 - 2.5	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH/MW 130-SS3	2011-Jul-25	1.2 - 1.8	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH/MW 146-SS4	2011-Jul-28	1.9 - 2.5	N	N	N	N	N	NT	N	N	N	N	N	N
BH/MW 148-SS3	2011-Jul-28	1.2 - 1.8	N	N	N	N	N	NT	N	N	N	N	N	N
BH/MW 149-SS2	2011-Jul-28	0.9 - 1.5	N	N	N	N	N	NT	N	N	N	N	N	N
BH/MW 151-SS3	2011-Jul-29	1.2 - 1.5	N	N	N	N	N	NT	N	N	N	N	N	N
BH/MW 152-SS4	2011-Jul-29	1.8 - 2.2	N	N	N	N	N	NT	N	N	N	N	N	N
BH49-SS2	2011-Jul-05	0.6 - 1.2	N	N	N	NT	NT	NT	NT	N	N	Y	NT	NT
BH51-SS6	2011-Jul-05	3.2 - 3.8	N	N	N	NT	NT	NT	NT	N	N	N	NT	NT
BH52-SS3	2011-Jul-05	1.2 - 1.5	Y	Y	N	NT	NT	NT	NT	Y	N	N	N	N
BH53-SS2	2011-Jul-05	0.6 - 1.3	N	N	N	NT	NT	NT	NT	Y	N	Y	N	N
BH59-SS2	2011-Jul-07	0.9 - 1.3	N	N	N	NT	NT	NT	NT	N	N	N	NT	N
BH71-SS1	2011-Jul-08	0.0 - 0.4	N	N	N	NT	NT	NT	NT	N	Y	N	NT	N
BH72-SS1	2011-Jul-08	0.0 - 0.3	N	N	N	NT	NT	NT	NT	N	N	N	N	N
BH73-SS1	2011-Jul-08	0.0 - 0.3	N	N	N	N	N	NT	N	N	N	N	NT	N
BH74-SS1	2011-Jul-08	0.0 - 0.2	N	N	N	N	N	NT	N	N	N	N	NT	N
BH75-SS1	2011-Jul-08	0.0 - 0.3	N	N	N	N	N	NT	N	N	Y	N	NT	N
BH76-SS2	2011-Jul-08	0.6 - 0.9	N	N	N	NT	NT	NT	NT	N	N	N	N	N
BH77-SS4	2011-Jul-08	2.0 - 2.6	N	N	N	N	N	NT	N	N	N	N	NT	N
BH85-SS3	2011-Jul-13	1.2 - 1.9	N	N	N	N	N	NT	N	N	N	N	NT	N
BH86-SS5	2011-Jul-13	2.5 - 3.0	N	N	N	N	N	NT	N	N	N	N	NT	N
BH87-SS3	2011-Jul-13	1.2 - 1.9	N	N	N	N	N	NT	N	N	N	N	NT	N
BH88-SS3	2011-Jul-13	1.1 - 1.6	N	N	N	NT	NT	NT	NT	Y	N	N	NT	N
BH89-SS2	2011-Jul-13	1.0 - 1.5	N	N	N	N	N	NT	N	Y	Y	N	NT	N
BH90-SS1	2011-Jul-13	0.0 - 0.6	N	N	N	Y	N	NT	N	N	NT	N	NT	N
BH91-SS2	2011-Jul-14	0.6 - 1.2	N	N	N	N	Y	NT	N	N	NT	N	NT	N
BH92-SS1	2011-Jul-14	0.0 - 0.6	N	N	N	Y	Y	NT	N	N	NT	Y	NT	N
BH93-SS2	2011-Jul-14	0.6 - 1.1	N	N	N	N	Y	NT	N	N	N	N	NT	N
BH94-SS2	2011-Jul-14	0.6 - 1.3	N	N	N	Y	N	NT	N	N	NT	N	NT	N
BH95-SS1	2011-Jul-15	0.0 - 0.6	N	N	N	N	N	NT	N	N	NT	N	NT	NT

Interval Name	Sample Date	Sample Depth	ABN	BTEX	CPs	HFM	Metals	OC	ORP	PAH	PCB	PHC	THM	VOC
BH96-SS1	2011-Jul-15	0.0 - 0.6	N	N	N	N	Y	NT	N	N	N	N	NT	NT
BH97-SS1	2011-Jul-15	0.0 - 0.6	N	N	N	N	Y	NT	N	N	N	N	NT	NT
BH98-SS1	2011-Jul-15	0.0 - 0.6	N	N	N	N	Y	NT	N	N	N	N	NT	NT
BH100-SS1	2011-Jul-15	0.0 - 0.6	N	N	N	N	N	NT	N	N	NT	N	NT	NT
BH101-SS3	2011-Jul-18	1.5 - 2.2	N	N	N	N	N	NT	N	Y	N	N	NT	NT
BH101-SS4	2011-Jul-18	2.2 - 2.3	N	NT	N	NT	NT	NT	NT	N	NT	NT	NT	NT
BH102-SS2	2011-Jul-18	0.9 - 1.5	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH103-SS2	2011-Jul-18	0.9 - 1.1	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH104-SS2	2011-Jul-18	0.8 - 1.4	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH105-SS2	2011-Jul-18	0.8 - 1.4	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH106-SS2	2011-Jul-18	0.9 - 1.4	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH107-SS1	2011-Jul-18	0.0 - 0.6	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH108-SS2	2011-Jul-18	0.6 - 1.2	N	N	N	N	N	NT	N	Y	N	N	NT	NT
BH109-SS1	2011-Jul-18	0.0 - 0.6	N	N	N	N	N	NT	N	Y	Y	N	NT	NT
BH111-SS1	2011-Jul-19	0.0 - 0.6	N	N	N	N	N	NT	N	Y	N	N	NT	NT
BH112-SS1	2011-Jul-19	0.0 - 0.6	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH113-SS1	2011-Jul-20	0.0 - 0.6	N	N	N	Y	Y	NT	Y	Y	NT	N	NT	NT
BH114-SS2	2011-Jul-20	0.6 - 1.1	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH116-SS1	2011-Jul-20	0.0 - 0.8	N	N	N	N	Y	NT	N	N	N	N	NT	NT
BH117-SS1	2011-Jul-20	0.0 - 0.6	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH118-SS2	2011-Jul-21	0.6 - 1.1	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH119-SS4	2011-Jul-21	1.8 - 2.5	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH120-SS3	2011-Jul-22	1.3 - 1.9	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH122-SS2	2011-Jul-22	1.3 - 1.9	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH123-SS2	2011-Jul-22	0.6 - 1.3	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH124-SS3	2011-Jul-22	1.2 - 1.9	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH125-SS5	2011-Jul-22	2.5 - 3.0	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH126-SS3	2011-Jul-25	1.2 - 1.9	N	N	N	N	Y	NT	N	N	Y	N	NT	NT
BH127-SS3	2011-Jul-25	1.3 - 1.9	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH128-SS1	2011-Jul-25	0.0 - 0.6	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH128R-SS2	2022-Dec-22	1.5 - 3.0	N	N	N	N	N	NT	N	N	N	N	N	N
BH129-SS3	2011-Jul-25	1.2 - 1.9	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH131-SS2	2011-Jul-26	0.6 - 1.2	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH133-SS2	2011-Jul-26	0.6 - 1.2	Y	Y	N	N	Y	NT	N	Y	Y	Y	NT	NT
BH133-SS4	2011-Jul-26	1.9 - 2.1	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH134-SS1	2011-Jul-26	0.0 - 0.6	Y	Y	N	N	Y	NT	N	N	Y	N	NT	NT
BH134-SS2	2011-Jul-26	0.6 - 1.2	Y	Y	N	N	Y	NT	N	Y	Y	N	NT	NT
BH140-SS2	2011-Jul-27	0.6 - 1.2	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH140-SS5	2011-Jul-27	2.5 - 2.7	N	N	N	NT	NT	NT	NT	N	N	N	N	N

Interval Name	Sample Date	Sample Depth	ABN	BTEX	CPs	HFM	Metals	OC	ORP	PAH	PCB	PHC	THM	VOC
BH141-SS2	2011-Jul-27	0.6 - 1.2	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH142-SS3	2011-Jul-27	1.2 - 1.9	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH143-SS3	2011-Jul-27	1.2 - 1.8	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH144-SS2	2011-Jul-27	0.6 - 1.2	N	N	N	NT	NT	NT	NT	N	NT	N	NT	NT
BH144-SS3	2011-Jul-27	1.2 - 1.8	N	Y	N	N	N	NT	N	Y	N	Y	N	N
BH145-SS3	2011-Jul-28	1.2 - 1.9	N	Y	N	N	Y	NT	N	Y	N	Y	N	N
BH145-SS4	2011-Jul-28	1.9 - 2.2	N	Y	N	NT	NT	NT	NT	N	NT	Y	NT	NT
BH147-SS3	2011-Jul-28	1.4 - 1.9	N	N	N	N	N	NT	N	N	N	N	N	N
BH150-SS3	2011-Jul-28	1.2 - 1.8	N	N	N	N	N	NT	N	N	N	N	N	N
BH155-SS3	2001-Aug-02	1.2 - 1.7	N	N	N	N	N	NT	N	N	N	N	NT	NT
BH202-SS2	2022-Dec-22	0.8 - 1.4	N	N	N	N	N	NT	N	N	N	N	N	N
BH202-SS4	2022-Dec-22	2.3 - 2.9	N	N	N	N	N	NT	N	N	N	N	N	N
BH203-SS3	2022-Dec-22	1.5 - 2.1	N	N	N	N	N	NT	N	N	N	N	N	N
BH204-SS1	2022-Dec-22	0.0 - 0.6	N	N	N	N	N	NT	N	N	N	N	N	N
BH205-SS1	2022-Dec-22	0.0 - 0.6	N	N	N	N	N	NT	N	N	N	N	N	N
BH207-SS1	2022-Dec-22	0.0 - 0.6	N	N	N	N	Y	NT	N	N	Y	N	N	N
BH208-SS2	2022-Dec-19	0.8 - 1.4	N	N	N	N	Y	NT	N	N	Y	N	N	N
BH209-SS1	2022-Dec-19	0.0 - 0.6	N	N	N	Y	Y	NT	N	N	NT	N	N	N
BH209-SS2	2022-Dec-19	0.8 - 1.4	N	Y	N	Y	Y	NT	Y	Y	N	Y	N	N
BH210-SS2	2022-Dec-19	0.8 - 1.4	N	N	N	N	Y	NT	Y	Y	N	N	N	N
BH211-SS1	2022-Dec-15	0.0 - 0.6	N	Y	N	N	N	NT	N	Y	N	N	N	N
BH211-SS3	2022-Dec-15	1.5 - 2.1	N	N	N	N	N	NT	N	N	N	N	N	N
BH212-SS1	2022-Dec-15	0.0 - 0.6	N	N	N	N	N	NT	N	N	N	N	N	N
BH212-SS4	2022-Dec-15	2.3 - 2.9	N	N	N	N	N	NT	N	N	N	N	N	N
BH213-SS2	2022-Dec-19	0.8 - 1.4	N	N	N	N	N	NT	N	N	N	N	N	N
BH214-SS2	2022-Dec-22	0.8 - 1.4	N	N	N	NT	NT	NT	NT	N	NT	N	N	N
BH214-SS3	2022-Dec-22	1.5 - 2.1	N	N	N	NT	NT	NT	NT	Y	NT	N	N	N
BH215-SS1	2022-Dec-22	0.0 - 0.6	N	N	N	N	N	NT	N	N	N	N	N	N
BH217-SS1	2022-Dec-22	0.0 - 1.4	N	N	N	N	N	NT	Y	N	N	N	N	N
BH218-SS1	2022-Dec-22	0.0 - 1.5	N	N	N	N	N	NT	N	Y	NT	N	N	N
BH219-SS2	2022-Dec-15	0.8 - 1.4	N	N	N	N	N	NT	N	N	NT	N	N	N
BH220-SS1	2022-Dec-22	0.0 - 1.2	N	N	N	N	N	NT	N	Y	N	N	N	N
BH221-SS1	2022-Dec-22	0.0 - 1.5	N	N	N	NT	NT	NT	N	Y	NT	N	N	N
BH223-SS1	2022-Dec-22	0.0 - 0.6	N	N	N	NT	NT	NT	NT	Y	N	Y	N	N
BH228-SS1	2022-Dec-22	0.0 - 0.6	N	N	N	N	Y	NT	Y	N	N	N	N	N
TP225a	2022-Dec-13	0.1 - 1.0	N	N	N	N	N	NT	N	N	N	N	N	N
TP227a	2022-Dec-14	0.0 - 0.9	N	N	N	N	N	NT	N	N	N	N	N	N
TP229b	2022-Dec-14	1.0 - 2.0	N	N	N	N	Y	NT	Y	N	N	N	N	N
TP230b	2022-Dec-14	1.1 - 2.2	N	N	N	N	N	NT	N	N	N	N	N	N

Interval Name	Sample Date	Sample Depth	ABN	BTEX	CPs	HFM	Metals	OC	ORP	PAH	PCB	PHC	THM	VOC
TP231b	2022-Dec-13	1.2 - 2.2	N	N	N	N	N	NT	N	N	Y	N	N	N
TP233a	2022-Dec-14	0.0 - 1.1	N	N	N	N	N	NT	N	N	N	N	N	N
TP236a	2022-Dec-13	0.1 - 1.1	N	N	N	N	N	NT	Y	N	Y	N	N	N
BH/MW 22-SS2	2011-Jun-23	0.6 - 0.9	N	N	N	NT	NT	N	NT	N	N	N	N	N
BH/MW 23-SS1	2011-Jun-24	0.0 - 0.6	N	NT	N	N	Y	N	N	N	N	N	NT	NT
BH/MW 24-SS2	2011-Jun-24	0.6 - 1.2	N	N	N	Y	Y	N	N	N	N	N	N	N
BH/MW 25-SS1	2011-Jun-24	0.0 - 0.6	N	NT	N	N	Y	N	N	Y	Y	N	NT	NT
BH/MW 26-SS1	2011-Jun-24	0.0 - 0.6	N	NT	N	N	N	N	N	N	Y	N	NT	NT
BH16-SS2	2011-Jun-22	0.6 - 1.2	N	N	N	N	N	N	N	Y	N	N	N	N
BH16-SS3	2011-Jun-22	1.2 - 1.6	N	N	N	NT	NT	N	NT	N	NT	NT	NT	N
BH17-SS3	2011-Jun-22	1.2 - 1.9	N	N	N	N	N	N	N	N	N	N	N	N
TP10-2	2012-Nov-28	1.3 - 1.5	N	N	N	N	N	N	N	N	N	N	N	N
TP22-1	2012-Nov-28	0.0 - 1.0	N	NT	N	NT	NT	N	NT	N	NT	N	NT	NT
TP23-1	2012-Nov-28	0.0 - 1.8	N	NT	N	NT	NT	N	NT	Y	NT	N	NT	NT
BH/MW 24-SS1	2011-Jun-24	0.0 - 0.6	NT	N	NT	N	Y	NT	N	NT	NT	NT	N	N
BH3-SS1	2011-Jun-20	0.0 - 0.1	NT	N	NT	N	N	NT	N	NT	NT	N	NT	N
BH5-SS2	2011-Jun-20	0.6 - 0.9	NT	N	NT	N	N	NT	N	NT	NT	N	NT	N
BH13-SS4	2011-Jun-22	1.9 - 2.4	NT	N	NT	N	N	NT	N	NT	NT	N	N	N
BH18-SS4	2011-Jun-22	1.9 - 2.5	NT	N	NT	N	N	NT	N	NT	NT	N	N	N
BH31-SS4	2011-Jun-27	1.8 - 2.3	NT	N	NT	N	N	NT	N	NT	NT	N	N	N
BH52-SS2	2011-Jul-05	0.6 - 1.2	NT	Y	NT	NT	NT	NT	NT	Y	NT	N	NT	NT
BH53-SS1	2011-Jul-05	0.0 - 0.6	NT	N	NT	NT	NT	NT	NT	Y	NT	Y	NT	NT
BH83-SS1	2011-Jul-08	0.0 - 0.6	NT	N	NT	NT	NT	NT	NT	NT	Y	N	NT	N
BH88-SS2	2011-Jul-13	0.6 - 0.8	NT	N	NT	N	N	NT	N	Y	NT	N	N	N
BH89-SS1	2011-Jul-13	0.4 - 1.0	NT	Y	NT	N	N	NT	N	Y	NT	N	N	N
BH100-SS2	2011-Jul-15	0.6 - 1.2	NT	N	NT	NT	NT	NT	NT	NT	NT	NT	N	N
BH156-SS4	2012-Nov-26	1.8 - 2.4	NT	N	NT	NT	NT	NT	NT	NT	NT	NT	N	N
BH201-SS3	2022-Dec-23	1.5 - 2.1	NT	N	NT	N	N	NT	N	N	NT	N	N	N
BH222-SS1	2022-Dec-22	0.0 - 1.2	NT	N	NT	N	N	NT	N	N	N	N	N	N
BH224-SS2	2022-Dec-15	0.8 - 1.4	NT	N	NT	N	N	NT	N	N	N	N	NT	NT
BH208-SS1	2022-Dec-19	0.0 - 0.6	NT	NT	NT	N	Y	NT	N	NT	N	NT	NT	NT
BH228-SS3	2022-Dec-22	1.5 - 2.1	NT	NT	NT	N	N	NT	N	NT	NT	NT	NT	NT
BH/MW 80-SS2	2011-Jul-11	1.2 - 1.8	NT	NT	NT	N	N	NT	N	NT	NT	NT	NT	NT
BH91-SS1	2011-Jul-14	0.0 - 0.6	NT	NT	NT	N	Y	NT	N	NT	NT	NT	NT	NT
BH91-SS3	2011-Jul-14	1.2 - 1.9	NT	NT	NT	N	Y	NT	N	NT	NT	NT	NT	NT
BH92-SS2	2011-Jul-14	0.6 - 1.1	NT	NT	NT	Y	Y	NT	N	Y	NT	N	NT	NT
BH93-SS1	2011-Jul-14	0.0 - 0.6	NT	NT	NT	N	Y	NT	N	NT	NT	N	NT	NT
BH94-SS1	2011-Jul-14	0.0 - 0.6	NT	NT	NT	Y	Y	NT	N	NT	NT	N	NT	NT
BH94-SS3	2011-Jul-14	1.3 - 1.9	NT	NT	NT	Y	N	NT	N	NT	NT	N	NT	NT

Interval Name	Sample Date	Sample Depth	ABN	BTEX	CPs	HFM	Metals	OC	ORP	PAH	PCB	PHC	THM	VOC
BH96-SS2	2011-Jul-15	0.6 - 0.9	NT	NT	NT	N	Y	NT	N	NT	NT	NT	NT	NT
BH97-SS2	2011-Jul-15	0.6 - 1.2	NT	NT	NT	N	Y	NT	N	NT	NT	NT	NT	NT
BH98-SS2	2011-Jul-15	0.6 - 0.8	NT	NT	NT	N	Y	NT	N	NT	NT	NT	NT	NT
BH113-SS2	2011-Jul-20	0.6 - 0.8	NT	NT	NT	N	Y	NT	N	NT	NT	NT	NT	NT
BH120-SS2	2011-Jul-22	0.6 - 1.3	NT	NT	NT	N	N	NT	N	NT	NT	NT	NT	NT
BH120-SS4	2011-Jul-22	1.9 - 2.5	NT	NT	NT	N	N	NT	N	NT	NT	NT	NT	NT
BH126-SS2	2011-Jul-25	0.6 - 1.2	NT	NT	NT	N	N	NT	N	NT	N	Y	NT	NT
BH126-SS4	2011-Jul-25	1.9 - 2.5	NT	NT	NT	N	N	NT	N	NT	N	N	NT	NT
TP8-3	2012-Nov-27	1.5 - 2.8	NT	NT	NT	N	N	NT	N	N	NT	Y	N	Y
TP9-2	2012-Nov-27	0.4 - 2.8	NT	NT	NT	N	N	NT	N	N	NT	N	N	N
TP10-3	2012-Nov-28	1.5 - 2.5	NT	NT	NT	N	N	NT	N	N	NT	N	N	N
TP11-2	2012-Nov-28	1.4 - 1.9	NT	NT	NT	N	N	NT	N	N	NT	N	N	N
TP24-1	2012-Nov-29	0.0 - 3.3	NT	NT	NT	Y	Y	NT	N	NT	Y	N	NT	NT
TP25-2	2012-Nov-29	2.3 - 3.5	NT	NT	NT	N	N	NT	N	NT	N	N	NT	NT
TP26-1	2012-Nov-29	0.0 - 2.7	NT	NT	NT	N	N	NT	N	NT	N	N	NT	NT
TP27-1	2012-Nov-29	0.0 - 2.4	NT	NT	NT	N	N	NT	N	NT	N	N	NT	NT
TP28-1	2012-Nov-29	0.0 - 1.9	NT	NT	NT	N	N	NT	N	NT	N	N	NT	NT
TP29-1	2012-Nov-29	0.0 - 1.6	NT	NT	NT	N	N	NT	N	NT	N	N	NT	NT
TP8-1	2012-Nov-27	0.0 - 0.6	NT	NT	NT	NT	NT	NT	NT	NT	NT	N	N	N
TP25-1	2012-Nov-29	0.0 - 2.3	NT	NT	NT	NT	NT	NT	NT	NT	Y	N	NT	NT
TP30-2	2012-Nov-29	1.3 - 2.0	NT	NT	NT	NT	NT	NT	NT	Y	NT	N	NT	NT
TP30-1	2012-Nov-29	0.8 - 1.3	NT	NT	NT	NT	NT	NT	NT	Y	NT	N	NT	NT
BH216-SS1	2022-Dec-22	0.0 - 0.6	NT	NT	NT	NT	NT	NT	NT	Y	N	NT	NT	NT
TP12-1	2012-Nov-28	0.0 - 0.5	NT	NT	NT	NT	NT	NT	NT	Y	N	NT	NT	NT
TP13-1	2012-Nov-28	0.0 - 1.0	NT	NT	NT	NT	NT	NT	NT	Y	N	NT	NT	NT
TP14-1	2012-Nov-28	0.0 - 1.1	NT	NT	NT	NT	NT	NT	NT	Y	Y	NT	NT	NT
TP14-2	2012-Nov-28	1.1 - 2.3	NT	NT	NT	NT	NT	NT	NT	Y	Y	NT	NT	NT
TP15-1	2012-Nov-28	0.0 - 2.5	NT	NT	NT	NT	NT	NT	NT	Y	Y	NT	NT	NT
TP16-2	2012-Nov-28	0.5 - 1.1	NT	NT	NT	NT	NT	NT	NT	Y	Y	NT	NT	NT
TP16-3	2012-Nov-28	1.1 - 2.1	NT	NT	NT	NT	NT	NT	NT	Y	N	NT	NT	NT
TP17-1	2012-Nov-28	0.0 - 1.1	NT	NT	NT	NT	NT	NT	NT	Y	N	NT	NT	NT
TP18-1	2012-Nov-28	0.0 - 0.7	NT	NT	NT	NT	NT	NT	NT	Y	Y	NT	NT	NT
TP18-2	2012-Nov-28	0.7 - 1.2	NT	NT	NT	NT	NT	NT	NT	Y	N	NT	NT	NT
TP19-1	2012-Nov-28	0.0 - 0.5	NT	NT	NT	NT	NT	NT	NT	Y	Y	NT	NT	NT
TP19-2	2012-Nov-28	0.5 - 0.9	NT	NT	NT	NT	NT	NT	NT	N	N	NT	NT	NT
TP21-2	2012-Nov-28	0.8 - 1.1	NT	NT	NT	NT	NT	NT	NT	N	N	NT	NT	NT

Legend: N=No exceedances
Y= at least 1 result exceeds
NT=not tested

Samples for chemical analyses were placed into laboratory-supplied containers, (including glass vials pre-charged with methanol preservative where appropriate) and stored at approximately 4°C until they were submitted to the laboratory. Soil samples collected for potential chemical analysis of VOCs, PHCs (F1), and BTEX were collected using a plastic syringe supplied by the laboratory. New syringes were used for each sample collected. Complete chain of custody protocols were followed throughout the soil sampling program.

Surplus soils were collected into zip-lock bags for subsequent detailed inspection and headspace vapour screening measurements.

5.5 Soil Field Screening Measurements

All soil core samples were initially screened for combustible vapour measurements using an RKI Eagle 2 Gas Monitor (with the methane elimination switch turned "on"). The RKI Eagle 2 Gas Monitor measures multiple parameters including combustible volatile organic compounds in the range of BTEX and non-combustible volatile organic compounds such as chlorinated solvents. The accuracy of the RKI Eagle 2 is described as +/- 5% when in the LEL range, and +/- 10% in the parts per million (ppm) range. Before using the meter in the field, calibration was checked using hexane gas and isobutylene gas.

The RKI Eagle 2 Gas Monitor was subsequently used to measure headspace combustible vapour (excluding methane) in samples of the excess soil collected into plastic bags, as a preliminary screening for hydrocarbons or other volatile organic compounds. In accordance with MECP sampling protocols, the samples were kept out of direct sunlight during field storage and the headspace measurements were made after at least two hours had elapsed since the sample was collected.

All soil samples were examined in the field for lithology as well as for aesthetic evidence of impacts (i.e., debris, staining and odors).

Headspace readings can be found on the borehole logs included in Appendix B.

5.6 Test Pits

Seven test pits were excavated December 13-14, 2022. All test pits were backfilled post sample collection. Table 11 summarizes the samples collected from the test pits.

Table 11: Test Pit Summary 2022

Test Pit I.D.	Interval Depth (mbgs)	Soils Description and Comments
BH/TP231	0-1.2	Sand (Light brown, medium, damp, no odour)
	1.2-2.2	Sand (Brown, medium, trace brick, damp)
	2.2-3.2	Grey clay with gravel
BH/TP236	0-1.1	Sand and Fill (Brown, medium, some wood, misc garbage, dry)
	1.1-2.1	Sand and Fill (Medium dark brown, dry, no odour)
	2.1-3.3	Grey, brown medium clay, damp
BH/TP225	0-1.0	Sand (brown medium with gravel and cobble, no odour, dry)
	1.0-2.0	Sand (dark brown, fine to medium, compacted, moist, no odour)
	2.0-2.85	Clay (Grey brown to gray, limestone shards)
BH/TP227	0-0.9	Sand (Medium Brown, moist, no odour)
	0.9-1.7	Sand with some clay at bottom (Medium brown, sticky, limestone shards and gravel, wet, no odour)
BH/TP229	0-1.0	Fill (Brown medium coarse, railroad tie, no odour)
	1.0-2.0	Fill (Brown, medium mixed, damp, no odour)
	2.0-3.05	Sand (Brown, fine to medium, moist)
BH/TP230	0-1.1	Mixed Fill (Light brown, medium coarse, trace brick, damp, no odour)
	1.1-2.2	Sand with some clay and cobbles (Grey/brown, medium coarse, damp, no odour)
	2.2-3.3	Clay with gravel and limestone shards (Grey, wet)
BH/TP233	0-1.1	Sand (Brown, medium to coarse, moist, no odour)
	1.1-2.2	Clay (Grey brown, saturated in bottom, no odour)

5.7 GROUNDWATER: MONITORING WELL INSTALLATION

The majority of the boreholes that were drilled across the Phase Two Property did not encounter groundwater until the bedrock was reached. A total of twenty-nine (29) groundwater monitoring wells were installed on the Phase Two Property by Canadian Environmental Drilling under the supervision of BluMetric from December 15 to 19, 2022. The monitoring wells were constructed with 50 mm diameter Schedule 40 polyvinyl chloride (PVC) solid riser pipe and well screen with a factory machined slot width of 50 mm. The wells were constructed with variable screen depths to intercept reported groundwater strikes. All pipe and screen sections were wrapped in plastic that was removed just prior to installation to minimize potential for contamination.

Clean silica sand supplied in bags was placed in the annular space between the well screen and the sides of the borehole. A bentonite seal was added to the annular space from the top of the sand pack to 0.15 m bgs. Sand pack and cement was placed above the bentonite layer to the ground surface. All monitoring wells were constructed in compliance with Ontario Regulation 903. All 29 monitoring wells were installed as monument wells. Table 12 provides a summary of the monitoring wells.

Table 12: Monitoring Well Installation Summary 2022

Monitoring Well ID	Bottom Depth (m bgs)	Screen Interval (m bgs)	Sand Pack (m bgs)	Bentonite Seal (m bgs)	Cement/Sand (m bgs)
BH/MW128R	3.7	1.6-3.7	1.2-3.7	0.15-1.2	0-0.15
BH/MW201	8.4	5.35-8.4	4.9-8.4	0.15-4.9	0-0.15
BH/MW202	5.3	2.25-5.3	1.85-5.3	0.15-1.85	0-0.15
BH/MW203	6.3	3.3-6.3	2.85-6.3	0.15-2.85	0-0.15
BH/MW204	4.7	1.7-4.7	1.25-4.7	0.15-1.25	0-0.15
BH/MW205	7.8	4.6-7.8	4.25-7.8	0.15-4.25	0-0.15
BH/MW206	8.2	5.25-8.2	4.9-8.2	0.15-4.9	0-0.15
BH/MW207	11.3	8.25-11.3	7.9-11.3	0.15-7.9	0-0.15
BH/MW208	7.9	4.9-7.9	3.3-7.9	1.5-3.3	0-1.5
BH/MW209	3.6	0.6-3.6	0.3-3.6	0.15-0.3	0-0.15
BH/MW210	3.3	0.3-3.3	0.3-3.3	0.15-0.3	0-0.15
BH/MW211	4.0	0.65-4.0	0.6-4.0	0.15-0.6	0-0.15
BH/MW212	2.7	1.25-2.7	0.9-2.7	0.15-0.9	0-0.15
BH/MW213	3.7	0.7-3.7	0.5-3.7	0.15-0.5	0-0.15
BH/MW214	3.7	1.25-3.7	0.95-3.7	0.15-0.95	0-0.15
BH/MW 215	4.6	1.6-4.6	1.3-4.6	0.15-1.3	0-0.15
BH/MW216	3.1	1.55-3.1	1.2-3.1	0.15-1.2	0-0.15
BH/MW217	4.7	1.75-4.7	1.4-4.7	0.15-1.4	0-0.15
BH/MW218	2.5	1-2.5	0.6-2.5	0.15-0.6	0-0.15
BH/MW219	4.0	0.95-4.0	0.6-4.0	0.15-0.6	0-0.15
BH/MW220	2.5	1-2.5	0.6-2.5	0.15-0.6	0-.015
BH/MW221	2.5	1-2.5	0.6-2.5	0.15-0.6	0-0.15
BH/MW222	2.6	1.1-2.6	0.7-2.6	0.15-0.7	0-0.15
BH/MW223	3.1	1.55-3.1	1.2-3.1	0.15-1.2	0-0.15
BH/MW224	4.3	1.3-4.3	0.9-4.3	0.15-0.9	0-0.15
BH/MW228	4.3	1.2-4.3	0.9-4.3	0.15-0.9	0-0.15
BH/MW 232	2.4	0.95-2.4	0.75-2.4	0.15-0.75	0-0.15
BH/MW234	4.3	1.2-4.3	0.9-4.3	0.15-0.9	0-0.15
BH/MW235	3.7	1.25-3.7	0.9-3.7	0.15-3.7	0-0.15

All groundwater monitoring wells installed at the Phase Two Property were instrumented with dedicated low-density polyethylene (LDPE) tubing to facilitate well development and purging requirements. Following installation, water levels were measured, and the ideal development purge volume calculated, based on 10 well volumes. Where wells exhibit very slow recharge, it is acceptable to purge less than ten well volumes, provided the well is dried out at least three times.

The wells were initially developed on January 18, 2023. Table 13 provides a summary of well development.

Table 13: Summary of Monitoring Well Development 2023

Monitoring Well ID	Purge Date	Water Level (m bgs)	Well Depth (m bgs)	Water Column Height (m)	1 Volume (L)	Volume Purged (L)
BH/MW121	January 18, 2023	2.60	4.36	1.76	2.0	8
BH/MW128R	January 18, 2023	2.08	4.57	2.49	2.8	28
BH/MW201	January 18, 2023	4.25	9.25	5	5.7	48.45
BH/MW202	January 18, 2023	3.15	6.15	3	3.4	34
BH/MW203	January 18, 2023	3.05	6.66	3.61	4.1	41

Monitoring Well ID	Purge Date	Water Level (m bgs)	Well Depth (m bgs)	Water Column Height (m)	1 Volume (L)	Volume Purged (L)
BH/MW204	January 18, 2023	2.05	5.48	3.43	3.9	39
BH/MW205	January 18, 2023	1.85	8.54	6.69	7.5	63.75
BH/MW206	January 18, 2023	Frozen at 0.95	N/A	N/A	N/A	N/A
BH/MW207	January 18, 2023	6.67	12.33	5.66	6.4	38.4
BH/MW208	January 18, 2023	2.08	7.9	6.71	7.6	57
BH/MW209	January 18, 2023	1.88	4.38	2.5	2.5	25
BH/MW210	January 18, 2023	2.08	4.42	2.34	2.6	26
BH/MW211	January 18, 2023	1.7	4.61	2.91	3.3	33
BH/MW212	January 18, 2023	2.05	3.25	1.2	1.1	11
BH/MW213	January 18, 2023	2.36	4.46	2.1	2.4	24
BH/MW214	January 18, 2023	2.45	4.65	2.2	2.5	25
BH/MW 215	January 18, 2023	2.4	5.48	3.08	3.5	35
BH/MW216	January 18, 2023	1.2	4.0	2.8	3.2	32
BH/MW217	January 18, 2023	3.76	5.58	1.82	2.1	21
BH/MW218	January 18, 2023	1.19	3.43	2.24	2.5	12.5
BH/MW219	January 18, 2023	2.98	5.01	2.03	2.3	23
BH/MW220	January 18, 2023	1.15	3.36	2.21	2.5	22.5
BH/MW221	January 18, 2023	1.49	3.36	1.87	2.1	21
BH/MW222	January 18, 2023	1.56	3.62	2.06	2.3	23
BH/MW223	January 18, 2023	1.45	3.7	2.25	2.6	26
BH/MW224	January 18, 2023	1.83	5.18	3.35	3.8	38
BH/MW228	January 18, 2023	1.30	3.08	1.78	2	20
BH/MW 232	January 18, 2023	1.45	3.1	1.65	1.8	18
BH/MW234	January 18, 2023	1.65	5.27	3.62	4.1	36.9
BH/MW235	January 18, 2023	1.46	4.61	3.15	3.5	35

Monitoring well locations are shown in Figure 1-8 and complete borehole logs are included in Appendix B.

5.8 GROUNDWATER: FIELD MEASUREMENT OF WATER QUALITY PARAMETERS

Prior and subsequent to well development, and groundwater sampling, groundwater levels were measured using an oil/water interface probe (Solinst model 122), to verify the presence or absence of any floating free product.

At no point during any groundwater monitoring, purging, or sampling activities conducted at the site, was free product, oily water, or iridescent sheen detected on the water in any of the wells.

Prior to drawing groundwater samples in January 2023, the water quality parameters for each well were measured using a *YSI 556* multi-probe system, until stabilized parameters were observed. Measured water quality parameters are summarized in the following table:

Table 14: Field Measurement of Water Quality Parameters 2023

Monitoring Well ID	Date	Time	pH (volume)	Specific Conductivity (mS/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)	Oxygen Reduction Potential (mV)	Volume (L)
BH/MW121	January 19, 2023	7:45	6.54	1305	8.3	5.51	210.3	0.5
		7:50	6.61	1264	8.1	5.77	202	0.5
		7:55	6.63	1260	8.0	5.52	197.7	0.5
		8:00	6.65	1255	7.8	5.40	190.4	0.5
		8:05	6.67	1248	7.5	5.12	189.1	0.5
		8:10	6.68	1230	7.3	4.99	188.6	0.5
		8:15	6.70	1221	7.0	4.70	187.3	0.5
		8:20	6.72	1210	7.0	4.65	183.1	0.5
		8:25	6.72	1207	6.9	4.63	180.2	0.5
		8:30	6.73	1206	6.9	4.62	179.1	0.5
BH/MW128R	January 19, 2023	9:10	7.04	1254	7.1	3.96	179.1	0.5
		9:15	7.08	1268	6.8	4.17	177.6	0.5
		9:20	7.05	1297	6.1	4.21	175.1	0.5
		9:25	7.05	1307	6.1	4.29	174.6	0.5
		9:30	7.05	1309	6.2	4.37	174.2	0.5
		9:35	7.05	1310	6.2	4.38	173.9	0.5
BH/MW201	January 19, 2023	10:25	6.92	1839	9.3	0.50	-159.0	1
		10:30	6.90	1972	9.4	0.41	-139.9	1
		10:35	6.87	2153	9.6	0.33	-126.3	1
		10:40	6.89	2166	9.7	0.32	-164.3	1
		10:45	6.89	2164	9.7	0.33	-168.1	1
		10:50	6.90	2179	9.7	0.33	-183.6	1
		10:55	6.90	2180	9.7	0.34	-182.3	1
		11:00	6.91	2181	9.8	0.33	-186.7	1
		11:05	6.90	2182	9.8	0.33	-187.1	1
BH/MW202	January 19, 2023	12:05	6.83	842	8.5	0.53	-28.4	1
		12:10	6.79	843	8.6	0.47	-57.5	1
		12:15	6.77	836	8.3	0.75	-55.2	1
		12:20	6.76	825	8.3	0.79	-55.1	1
		12:25	6.74	809	8.2	0.81	-53.4	1
		12:30	6.73	808	8.1	0.82	-53.0	1
BH/MW203	January 19, 2023	14:35	7.07	797	8.2	0.68	43.8	1
		14:40	7.03	820	8.1	0.43	36.7	1
		14:45	7.04	862	8.2	0.37	24.0	1
		14:50	7.04	891	8.3	0.31	15.2	1
		14:55	7.05	934	8.4	0.26	9.8	1
		15:00	7.06	937	8.3	0.24	8.7	1
		15:05	7.05	938	8.3	0.26	7.9	1
BH/MW204	January 19, 2023	16:05	7.22	518.8	5.5	0.98	-36.2	0.5
		16:10	7.21	518.3	5.6	0.47	-49.3	0.5
		16:15	7.19	519.6	5.5	0.40	-58.6	0.5
		16:20	7.17	521.3	5.6	0.35	-69.5	0.5
		16:25	7.17	521.5	5.6	0.34	-71.9	0.5
		16:30	7.18	521.7	5.6	0.33	-74.1	0.5
		16:35	7.18	521.8	5.6	0.32	-75.2	0.5
BH/MW205	January 20, 2023	10:35	7.52	1536	8.5	1.38	23.4	1
		10:40	7.46	1539	9.1	0.43	-10.8	1
		10:45	7.24	1468	9.0	0.40	-27.9	1
		10:50	7.25	1474	9.0	0.39	-30.8	1
		10:55	7.22	1467	9.1	0.36	-48.3	1

Monitoring Well ID	Date	Time	pH (volume)	Specific Conductivity (mS/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)	Oxygen Reduction Potential (mV)	Volume (L)
		11:00	7.20	1460	9.2	0.35	-56.1	1
		11:05	7.17	1459	9.2	0.33	-57.9	1
		11:10	7.15	1458	9.2	0.34	-58.5	1
BH/MW206	January 23, 2023	16:05	6.74	13340	7.7	2.61	99.1	1
		16:10	6.74	14499	8.9	0.36	58.2	1
		16:15	6.79	14501	9.0	0.29	44.7	1
		16:20	6.82	14613	9.1	0.21	35.3	1
		16:25	6.85	14666	9.1	0.17	23.1	1
		16:30	6.86	14659	9.0	0.16	22.6	1
BH/MW207	January 20, 2023	9:00	7.17	3833	8.6	0.81	25.3	1
		9:05	7.18	3886	8.7	0.69	17.7	1
		9:10	7.19	3892	9.1	0.60	5.1	1
		9:15	7.20	3908	9.3	0.49	-15.3	1
		9:20	7.21	3927	9.6	0.36	-32.9	1
		9:25	7.22	3924	9.5	0.35	-33.0	1
BH/MW208	January 23, 2023	13:25	6.74	13340	7.7	2.61	99.1	1
		13:30	7.69	5623	9.0	1.01	8.3	0.5
		13:35	7.69	5617	8.9	0.82	-6.1	0.5
		13:40	7.75	5814	9.0	0.75	-38.2	0.5
		13:45	7.81	6226	8.9	0.68	-69.3	0.5
		13:50	7.85	6687	9.0	0.59	-85.8	0.5
		13:55	7.88	6690	9.1	0.57	-87.0	0.5
BH/MW209	January 23, 2023	12:10	7.00	779.3	6.1	0.91	-32.9	1
		12:15	6.99	800	6.5	0.53	-44.2	1
		12:20	7.00	807	6.5	0.42	-52.9	1
		12:25	7.01	814	6.5	0.41	-58.7	1
		12:30	7.02	822	6.6	0.41	-66.9	1
		12:35	7.02	820	6.7	0.42	-70.1	1
		12:40	7.02	819	6.7	0.42	-71.1	1
BH/MW210	January 23, 2023	15:10	7.47	835	5.9	1.07	7.6	1
		15:15	7.44	829	5.8	0.99	1.2	1
		15:20	7.41	827	5.6	0.84	-5.3	1
		15:25	7.39	809	5.5	0.80	-6.2	1
		15:30	7.38	808	5.5	0.79	-6.4	1
BH/MW211	January 23, 2023	10:45	7.23	809	7.2	1.08	28.3	1
		10:50	7.21	806	7.1	0.87	23.5	1
		10:55	7.21	703	6.8	0.88	46.2	1
		11:00	7.21	691.7	6.7	0.89	48.9	1
		11:05	7.21	664.9	6.5	0.87	50.3	1
		11:10	7.21	651.1	6.3	0.86	51.0	1
		11:15	7.21	650.2	6.2	0.86	51.8	1
BH/MW212	January 23, 2023	9:25	6.94	990	5.8	0.69	-22.8	0.5
		9:30	6.96	992	5.9	0.52	-25.9	0.5
		9:35	6.96	1004	6.0	0.49	-33.2	0.5
		9:40	6.95	990	5.9	0.50	-37.8	0.5
		9:45	6.95	972	5.9	0.46	-41.1	0.5
		9:50	6.95	970	5.9	0.45	-42.3	0.5
BH/MW213	January 23, 2023	7:35	7.05	884	5.0	1.02	-70.1	0.5
		7:40	7.06	882	5.1	0.98	-74.1	0.5
		7:45	7.05	872	5.2	0.84	-78.5	0.5
		7:50	7.04	831	5.1	0.82	-84.6	0.5
		7:55	7.02	834	5.0	0.79	-91.9	0.5

Monitoring Well ID	Date	Time	pH (volume)	Specific Conductivity (mS/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)	Oxygen Reduction Potential (mV)	Volume (L)
		8:00	7.01	833	5.1	0.77	-92.1	0.5
BH/MW214	January 24, 2023	7:30	7.32	828	5.4	1.09	56.2	1
		7:35	7.30	827	5.3	1.05	53.8	1
		7:40	7.28	815	5.1	0.98	52.9	1
		7:45	7.20	810	5.2	0.91	41.2	1
		7:50	7.19	808	5.2	0.78	30.0	1
		7:55	7.17	807	5.3	0.77	28.1	1
BH/MW 215	January 20, 2023	7:10	6.68	868	6.4	0.98	-27.1	1
		7:15	6.70	852	6.3	0.83	-42.1	1
		7:20	6.74	833	6.4	0.49	-65.2	1
		7:25	6.82	823	6.5	0.34	-92.7	1
		7:30	6.84	823	6.5	0.32	-97.1	1
		7:35	6.85	821	6.5	0.33	-97.9	1
		7:40	6.85	820	6.5	0.34	-98.1	1
BH/MW216	January 24, 2023	8:35	7.20	1336	5.6	1.07	-41.2	1
		8:40	7.22	1339	5.8	0.88	-57.4	1
		8:45	7.24	1341	5.7	0.41	-61.8	1
		8:50	7.25	1344	5.8	0.30	-66.0	1
		8:55	7.25	1345	5.8	0.29	-65.1	1
BH/MW217	January 24, 2023	12:45	7.36	831	8.5	3.17	71.3	0.5
		12:50	7.37	828	8.4	2.03	80.1	0.5
		12:55	7.35	828	8.4	1.92	82.4	0.5
		13:00	7.30	837	8.3	1.36	82.9	0.5
		13:05	7.27	839	8.4	1.46	83.1	0.5
		13:10	7.25	843	8.4	1.43	83.0	0.5
		13:15	7.24	844	8.5	1.41	82.9	0.5
BH/MW218	January 24, 2023	14:20	7.35	1127	4.6	1.62	77.8	0.5
		14:25	7.29	1136	4.5	1.27	68.2	0.5
		14:30	7.26	1145	4.5	0.85	56.7	0.5
		14:35	7.28	1144	3.9	0.79	46.4	0.5
		14:40	7.27	1141	4.3	0.78	43.2	0.5
		14:45	7.26	1139	4.4	0.79	42.1	0.5
BH/MW219	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BH/MW220	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BH/MW221	January 24, 2023	11:30	7.38	1316	5.3	4.7	111	0.5
		11:35	7.17	1321	6.4	3.37	70.1	0.5
		11:40	7.15	1338	6.7	2.54	11.7	0.5
		11:45	7.12	1337	6.6	1.27	6.9	0.5
		11:50	7.10	1344	6.4	0.87	-45.1	0.5
		11:55	7.09	1341	6.2	0.41	-50.1	0.5
		12:00	7.08	1342	6.1	0.39	-52	0.5
BH/MW222	January 24, 2023	10:25	7.61	1201	4.5	5.01	98.7	1
		10:30	7.60	1190	4.4	4.92	105.2	1
		10:35	7.58	1182	4.3	4.79	111.8	1
		10:40	7.54	1173	4.2	4.68	118.4	1
		10:45	7.53	1158	4.3	4.48	118.7	1
		10:50	7.52	1157	4.4	4.46	118.8	1
BH/MW223	January 24, 2023	9:15	7.01	1232	5.8	0.68	66.3	0.5
		9:20	6.99	1219	5.9	0.62	69.1	0.5
		9:25	6.97	1210	5.7	0.41	73.2	0.5
		9:30	6.94	1205	5.7	0.30	75.9	0.5
		9:35	6.93	1202	5.7	0.27	76.5	0.5

Monitoring Well ID	Date	Time	pH (volume)	Specific Conductivity (mS/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)	Oxygen Reduction Potential (mV)	Volume (L)
		9:40	6.93	1199	5.7	0.26	77.1	0.5
BH/MW224	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BH/MW228	January 20, 2023	15:15	6.94	1998	4.9	0.69	86.0	0.5
		15:20	6.93	1998	5.0	0.61	84.2	0.5
		15:25	6.92	1995	4.9	0.50	76.1	0.5
		15:30	6.92	1989	4.9	0.39	71.2	0.5
		15:35	6.91	1988	4.8	0.32	66.8	0.5
		15:40	6.90	1982	4.8	0.29	56.2	0.5
		15:45	6.90	1980	4.9	0.28	56.0	0.5
BH/MW 232	January 19, 2023	13:15	7.06	952	5.6	0.80	-34.1	0.5
		13:20	7.08	942	5.4	0.56	-64.5	0.5
		13:25	7.08	957	5.5	0.49	-72.4	0.5
		13:30	7.08	969	5.5	0.45	-89.7	0.5
		13:35	7.08	970	5.4	0.49	-91.9	0.5
		13:40	7.08	971	5.4	0.50	-93.0	0.5
		13:45	7.08	972	5.4	0.51	-93.2	0.5
BH/MW234	January 20, 2023	13:47	7.04	1508	9.2	0.73	41.0	0.5
		13:52	7.00	1505	9.4	0.57	32.1	0.5
		13:57	6.95	1501	9.5	0.23	28.2	0.5
		14:02	6.95	1502	9.4	0.22	26.8	0.5
		14:07	6.94	1504	9.4	0.21	24.3	0.5
		14:12	6.94	1504	9.4	0.21	23.9	0.5
		14:17	6.94	1503	9.4	0.21	23.6	0.5
		14:22	6.93	1506	9.4	0.21	23.2	0.5
BH/MW235	January 20, 2023	12:20	6.96	2830	8.2	0.35	-61.2	0.5
		12:25	6.97	2838	8.3	0.33	-70.9	0.5
		12:30	6.98	2834	8.4	0.26	-75.5	0.5
		12:35	6.99	2818	8.5	0.24	-80.2	0.5
		12:40	7.01	2820	8.4	0.22	-86.4	0.5
		12:45	7.01	2816	8.4	0.22	-87.8	0.5
		12:50	7.02	2835	8.5	0.22	-87.9	0.5
		12:55	7.03	2837	8.5	0.22	-90.1	0.5

5.9 GROUNDWATER: SAMPLING

In accordance with the Sampling and Analyses Plan (Appendix A), the analytical program was designed to target the APECs at the Phase Two Property as discussed in Section 4.3. Groundwater samples were collected from the monitoring wells located within the APECs and submitted for chemical analysis according to their location and depth on the Phase Two Property.

The monitoring wells installed at the Phase Two Property in 2022, as well as the monitoring wells that had previously been installed dating back to 2011 were sampled on various occasions. Table 15 summarizes the chemical analyses results from 2011 to 2023.

A low-flow peristaltic pump with 0.64 cm LDPE tubing dedicated to each well was used to collect groundwater samples. Samples collected for metals analyses were field-filtered using a Waterra 0.45-micron FHT-Ground Water Filter. Samples were drawn directly from the tubing to laboratory supplied containers, placed in the appropriate containers provided by Maxxam Laboratories in 2011 and 2012, and AGAT Laboratories in 2022 and 2023, and stored at approximately 4 °C until they were submitted for chemical analysis.

During sampling, the groundwater was observed in each well for indicators of environmental impairment, including the presence of liquid petroleum hydrocarbons, sheen or iridescence, odour, and colour. None of the groundwater collected from the site during well development and sampling activities exhibited evidence of such impairment.

Table 15: Groundwater Sampling Chemical Analyses Summary 2011-2023

Sample Name	Sample Date	Sample Depth	ABN	BTEX	CP	CaMg	HFM	Metals	ORP	PAH	PCB	PHC	THM	VOC
MW22	2022-Jul-12	1.7 - 4.7	N	Y	N	NT	NT	N	N	N	N	N	N	N
MW22	2011-Aug-18	1.7 - 4.7	NT	Y	NT	NT	NT	N	N	N	NT	N	N	N
MW22	2012-Apr-30		NT	N	NT	NT	NT	N	N	N	N	N	N	N
MW22	2012-May-01	1.7 - 4.7	NT	Y	NT	NT	NT	N	N	NT	N	N	N	N
MW23	2022-Jul-14	1.2 - 3.4	N	N	N	NT	NT	N	N	N	N	N	N	N
MW23	2011-Aug-18	1.2 - 3.4	NT	N	NT	NT	NT	N	N	NT	NT	N	N	N
MW23	2012-May-01	1.2 - 3.4	NT	N	NT	NT	NT	N	N	NT	N	N	NT	NT
MW24	2022-Jul-12	1.5 - 4.5	N	Y	N	NT	NT	Y	N	N	N	N	N	N
MW24	2011-Aug-18	1.5 - 4.5	NT	N	NT	NT	NT	N	N	N	NT	N	N	Y
MW24	2012-Apr-30		NT	N	NT	NT	NT	N	N	N	N	N	N	N
MW24	2012-May-01	1.5 - 4.5	NT	N	NT	NT	NT	N	N	N	N	N	N	N
MW25	2022-Jul-12	4.7 - 7.7	N	Y	N	NT	NT	N	N	N	N	N	N	N
MW25	2011-Aug-17	4.7 - 7.7	NT	Y	NT	NT	NT	N	N	NT	N	N	N	N
MW25	2012-May-01	4.7 - 7.7	NT	Y	NT	NT	NT	N	N	N	Y	N	N	N
MW26	2022-Jul-14	1.5 - 4.5	N	N	N	NT	NT	N	N	N	N	N	N	N
MW26	2011-Aug-17	1.5 - 4.5	NT	N	NT	NT	NT	N	N	NT	N	N	N	N
MW26	2012-May-01	1.5 - 4.5	NT	N	NT	NT	NT	N	N	NT	N	N	NT	NT
MW50	2022-Jul-13	2.4 - 5.4	N	N	N	NT	NT	N	N	N	N	N	N	N
MW50	2011-Aug-17	2.4 - 5.4	NT	N	NT	NT	NT	N	N	NT	NT	N	N	N
MW50	2012-May-01	2.4 - 5.4	NT	N	NT	NT	NT	N	N	NT	N	N	NT	NT
MW78	2022-Jul-12	2.7 - 5.6	N	N	N	NT	NT	N	N	N	N	N	N	N
MW78	2011-Aug-17	2.7 - 5.6	NT	N	NT	NT	NT	N	N	NT	NT	N	N	N
MW78	2012-May-01	2.7 - 5.6	NT	N	NT	NT	NT	N	N	NT	N	Y	N	Y
MW79	2022-Jul-14	1.9 - 4.9	N	N	N	NT	NT	N	N	N	N	N	N	N
MW79	2011-Aug-17	1.9 - 4.9	NT	N	NT	NT	NT	N	N	NT	NT	N	N	N
MW79	2012-May-01	1.9 - 4.9	NT	N	NT	NT	NT	N	N	N	N	N	NT	NT
MW80	2022-Jul-12	2.4 - 3.8	N	N	N	NT	NT	N	N	N	N	N	N	N
MW80	2011-Aug-17	2.4 - 3.8	NT	N	NT	NT	NT	N	N	NT	NT	N	N	N
MW80	2012-May-01	2.4 - 3.8	NT	N	NT	NT	NT	N	N	NT	N	N	NT	NT
MW81	2022-Jul-14	1.7 - 4.7	N	N	N	NT	NT	N	N	N	N	N	N	N
MW81	2011-Aug-17	1.7 - 4.7	NT	N	NT	NT	NT	N	N	NT	N	N	N	N
MW81	2012-May-01	1.7 - 4.7	NT	N	NT	NT	NT	N	N	NT	N	N	NT	NT
MW82	2022-Jul-12	0.9 - 2.4	N	N	N	NT	NT	N	N	N	N	N	N	N
MW82	2011-Aug-17	0.9 - 2.4	NT	N	NT	NT	NT	N	N	N	N	N	N	N
MW82	2012-May-01	0.9 - 2.4	NT	N	NT	NT	NT	N	N	N	N	N	NT	NT
MW84	2022-Jul-13	3.7 - 6.6	N	N	N	NT	NT	N	N	N	N	N	N	N
MW84	2011-Aug-17	3.7 - 6.6	NT	N	NT	NT	NT	N	N	NT	NT	N	N	N
MW84	2012-May-01	3.7 - 6.6	NT	N	NT	NT	NT	N	N	NT	N	N	NT	NT

Sample Name	Sample Date	Sample Depth	ABN	BTEX	CP	CaMg	HFM	Metals	ORP	PAH	PCB	PHC	THM	VOC
MW121	2023-Jan-19	1.5 - 3.6	N	N	N	NT	NT	N	N	N	N	N	N	N
MW121	2011-Aug-17	1.5 - 3.6	NT	N	NT	NT	NT	N	N	NT	N	N	N	N
MW121	2012-May-01	1.5 - 3.6	NT	N	NT	NT	NT	N	N	NT	N	N	NT	NT
MW128R	2023-Jan-19	1.6 - 3.7	N	N	N	NT	NT	N	N	N	N	N	N	N
MW130	2022-Jul-13	2.1 - 5.1	N	N	N	NT	NT	N	N	N	N	N	N	N
MW130	2011-Aug-17	2.1 - 5.1	NT	N	NT	NT	NT	N	N	NT	N	N	N	N
MW130	2012-May-01	2.1 - 5.1	NT	N	NT	NT	NT	N	N	NT	N	N	NT	NT
MW146	2022-Jul-12	1.2 - 3.0	N	N	N	NT	NT	N	N	N	N	N	N	N
MW146	2011-Aug-18	1.2 - 3.0	NT	N	NT	NT	NT	N	N	NT	N	Y	N	N
MW146	2012-May-01	1.2 - 3.0	NT	N	NT	NT	NT	N	N	N	N	N	NT	NT
MW148	2022-Jul-13	1.2 - 3.0	N	Y	N	NT	NT	N	N	Y	N	Y	N	N
MW148	2011-Aug-18	1.2 - 3.0	NT	Y	NT	NT	NT	N	N	Y	N	N	N	N
MW148	2012-May-01	1.2 - 3.0	NT	Y	NT	NT	NT	N	N	Y	N	Y	N	N
MW149	2022-Jul-13	1.1 - 2.2	N	N	N	NT	NT	N	N	N	N	N	N	N
MW149	2011-Aug-18	1.1 - 2.2	NT	N	NT	NT	NT	N	Y	NT	N	N	N	N
MW149	2012-May-01	1.1 - 2.2	NT	N	NT	NT	NT	N	N	NT	N	N	N	N
MW151	2022-Jul-13	1.6 - 4.5	N	N	N	NT	NT	N	N	N	N	N	N	N
MW151	2011-Aug-18	1.6 - 4.5	NT	N	NT	NT	NT	N	N	NT	N	Y	N	N
MW151	2012-May-01	1.6 - 4.5	NT	N	NT	NT	NT	N	N	NT	N	N	NT	NT
MW152	2022-Jul-12	2.1 - 5.1	N	N	N	NT	NT	N	N	N	N	N	N	N
MW152	2011-Aug-17	2.1 - 5.1	NT	N	NT	NT	NT	N	N	NT	N	N	N	Y
MW152	2012-May-01	2.1 - 5.1	NT	N	NT	NT	NT	N	N	NT	N	N	N	Y
MW156	2022-Jul-13	2.0 - 5.0	N	N	N	NT	NT	N	N	N	N	N	N	N
MW156	2012-Dec-10	2.0 - 5.0	NT	N	NT	NT	NT	NT	NT	NT	NT	NT	N	N
MW202	2023-Jan-19	2.3 - 5.2	N	N	N	NT	NT	N	N	Y	N	Y	N	N
MW203	2023-Jan-19	3.3 - 6.0	N	N	N	NT	NT	N	N	N	N	N	N	N
MW204	2023-Jan-19	1.7 - 4.7	N	N	N	NT	NT	N	N	N	N	N	N	N
MW205	2023-Jan-23	4.6 - 7.6	N	Y	N	NT	NT	N	N	N	N	N	N	N
MW206	2023-Jan-23	5.2 - 8.2	N	N	N	NT	NT	Y	Y	N	NT	N	N	N
MW207	2023-Jan-23	8.3 - 11.3	N	Y	N	NT	NT	N	N	N	N	N	N	N
MW208	2023-Jan-23	4.9 - 7.9	N	Y	N	NT	NT	N	Y	N	N	Y	N	N
MW209	2023-Jan-23	0.6 - 3.6	N	N	N	NT	NT	N	N	N	N	N	N	N
MW210	2023-Jan-23	0.3 - 3.3	N	Y	N	NT	NT	N	N	N	N	N	N	N
MW211	2023-Jan-23	0.6 - 3.6	N	N	N	NT	NT	N	N	N	N	N	N	N
MW212	2023-Jan-23	1.2 - 2.7	N	N	N	NT	NT	N	N	N	N	N	N	N
MW213	2023-Jan-23	0.7 - 3.7	N	N	N	NT	NT	N	N	N	N	N	N	N
MW214	2023-Jan-24	1.2 - 3.6	N	N	N	NT	NT	N	N	N	N	N	N	N
MW215	2023-Jan-23	1.6 - 4.5	N	N	N	NT	NT	N	N	Y	N	N	N	N
MW217	2023-Jan-24	1.7 - 4.7	N	N	N	NT	NT	N	N	N	N	N	N	N

Sample Name	Sample Date	Sample Depth	ABN	BTEX	CP	CaMg	HFM	Metals	ORP	PAH	PCB	PHC	THM	VOC
MW218	2023-Jan-24	1.0 - 2.4	N	N	N	NT	NT	N	N	N	NT	Y	N	N
MW219	2023-Jan-25	1.0 - 3.9	N	N	N	NT	NT	N	N	N	NT	Y	N	N
MW220	2023-Jan-25	1.0 - 2.5	N	N	N	NT	NT	N	N	Y	NT	N	N	N
MW221	2023-Jan-24	1.0 - 2.5	N	N	N	NT	NT	NT	NT	N	NT	Y	N	Y
MW223	2023-Jan-24	1.5 - 3.0	N	N	N	NT	NT	NT	NT	N	NT	N	N	N
MW228	2023-Jan-23	1.2 - 4.2	N	N	N	NT	NT	N	N	N	N	N	N	N
MW201	2023-Jan-19	5.4 - 8.4	NT	N	NT	NT	NT	N	N	N	NT	N	N	N
MW222	2023-Jan-24	1.1 - 2.6	NT	N	NT	NT	NT	N	N	N	NT	N	N	N
MW224	2023-Jan-25	1.3 - 4.3	NT	N	NT	NT	NT	N	N	N	N	N	NT	NT
OW2	2011-Aug-18	-	NT	N	NT	NT	NT	N	N	NT	N	N	N	N
MW4	2011-Aug-18	-	NT	NT	NT	N	N	N	N	NT	NT	N	NT	NT
MW216	2023-Jan-24	1.5 - 3.0	NT	NT	NT	NT	NT	NT	NT	NT	N	NT	NT	NT

Legend: N=No exceedances
Y= at least 1 result exceeds
NT=not tested

5.10 Surface Water and Sediment: Sampling

No surface water features exist at the Phase Two Property and as such no surface water or sediment sampling was performed as part of this Phase Two ESA.

5.11 Analytical Testing

All analytical testing for this Phase Two ESA was performed by AGAT Laboratories at 5835 Coopers Avenue in Mississauga, Ontario. AGAT Laboratories is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for all of the types of analysis conducted.

5.12 Residue Management Procedures

All excess soil cuttings from the field investigation and purged ground water from sampling of monitoring wells were placed in sealed and labelled barrels and stored on site for future disposal.

5.13 Elevation Surveying

Local elevations for the top of well pipes of the 2022 monitoring wells were determined on 17 January 2023. The results of this survey are summarised in Section 6.2.2.1.

5.14 Quality Assurance and Quality Control Measures

The following Quality Assurance and Quality Control procedures were observed during this assessment:

- Strict sample collection procedures specified in Standard Work Instructions are employed by all field staff.
- Staff attend seminars on the collection of samples, laboratory procedures, preservation, handling, and transportation techniques.
- Samples are collected in containers provided and prepared by the laboratory.
- Samples are protected from sunlight and stored at appropriate temperatures until delivered to the laboratory as promptly as practical.
- Samples are named to avoid confusion with locations and samples from other projects.

During sampling operations, tools are cleaned with laboratory grade detergent between uses to avoid cross-contamination.

Field duplicate soil and groundwater samples were collected for every 10 samples analyzed for each specific parameter group. Field duplicate samples were obscurely labelled to ensure the laboratory remained unaware of the source sample. In addition, trip and field blank samples were collected whenever groundwater was sampled for VOC analyses.

The analytical laboratory also followed QA/QC procedures as required by its accreditation and includes collecting and analyzing laboratory duplicate samples. These include analyzing selected samples twice (often marked as "Lab-Dup"), analyzing surrogate chemicals or "spiked blanks" (to show that the analytical equipment is operating within the desired tolerances of accuracy, analyzing method blanks (to show that analytical equipment is not contaminated). The reports received from laboratories thoroughly document these procedures as well as describe the methodology and instrumentation used for the analysis. None of the laboratory reports for this Phase Two ESA raised concerns about the validity of the data quality or included annotations about data quality. During this Phase Two ESA, there were no deviations from the sample holding times, preservation methods, storage requirements, or sample container types stipulated by the laboratory.

BluMetric received a certificate of analysis for all samples submitted to the laboratory. Copies of the certificates are included in Appendix C.

6 REVIEW AND EVALUATION

6.1 GEOLOGY

As discussed in Section 5.3, a total of twenty-nine (29) boreholes were completed on the Phase Two Property into a maximum depth of 11.3 m bgs.

The soil and groundwater investigation program identified four main hydrostratigraphic unit at the Phase Two Property, summarized in Table 16:

Table 16: Geology Summary

Hydrostratigraphic Unit	Description	Depth Range (m bgs)	Hydrogeological Condition
TOPSOIL	Brown topsoil, medium sand, and gravel with organics.	0.0 to 1.6	Moist
Fill	Topsoil, gravel, brick debris	0.0 to 2.0	Dry
SAND AND SANDY SILT WITH GRAVEL	Brown to grey medium to fine sand to sandy silt with gravel.	0.0 to 2.1	Moist
CLAY AND SILTY CLAY WITH GRAVEL	Grey to brown clay with sand and gravel to dark brown silty clay and gravel. Trace of red brick in places.	0.9 to 3.4	Moist to wet
BEDROCK	Weathered Limestone.	0.0 to 4.27	Moist to wet

Cross sections A-A' to O-O' that illustrate the general stratigraphy beneath the site are presented in Figures 02-1b to 02-19b.

6.2 GROUNDWATER: ELEVATIONS AND FLOW DIRECTION

6.2.1 Well Screen Intervals & Free-Flowing Product Measurements

6.2.1.1 Well Screen Intervals

The majority of the boreholes that were drilled across the Phase Two Property did not encounter groundwater until the bedrock was reached. This is likely due to the relatively thin nature of the overburden which cannot support a shallow aquifer. The upper four to five metres of the bedrock is generally weathered and fractured. Hydraulic conductivity values for the overburden (silty clay with gravel) ranged between 3.17×10^{-4} m/s and 4.44×10^{-8} m/s with a geometric mean of 1×10^{-5} m/s, and for the upper bedrock ranged between 1.15×10^{-3} m/s and 1.7×10^{-6} m/s with a geometric mean of 3×10^{-5} m/s (based on measurements across the Bakelite property as reported in WESA (2012b)). It is our interpretation that the upper bedrock hydraulic characteristics are such that the overburden and shallow bedrock (upper 4 to 5 metres) essentially behave as a single hydrostratigraphic unit.

Groundwater monitoring wells installed were constructed with 3 metre screens, installed at variable depths spanning approximately 0.7 to 3.7 m bgs and 8.3 to 11.3 m bgs, designed to intersect shallow groundwater contained within sandy silt with some clay and some gravel layers encountered these depths.

6.2.1.2 Interface Probe Measurements & Free-Flowing Product

Prior and subsequent to well development and groundwater sampling, groundwater levels were measured using an oil/water interface probe (Solinst model 122), to verify the presence or absence of any floating free product.

Any non-aqueous phase liquids floating on groundwater above the screen section of the monitoring well will have been drawn into the well and detected during standard well development procedures (where wells were emptied at least 3 times and allowed to recharge). The wells have been monitored using an oil/water interface meter. No visual or other indications of the presence of any non-aqueous phase liquids were detected during any purging, monitoring, or sampling events.

6.2.2 Groundwater Elevations, Flow Modelling & Temporal Variation

6.2.2.1 Methodology of Groundwater Elevation Calculation

The tops of well pipe elevations were established by survey conducted on 17 January 2023, and referenced a geodetic benchmark. Water levels were measured using a Solinst Interface Probe (model 122) on multiple occasions. Water levels measured on 17 January 2023 are considered most representative of stabilized groundwater conditions. The measured water levels are shown in the table below.

Table 17: Groundwater Elevation Calculation

Monitoring Well ID	Ground Surface (GS) Elevation (m asl)	Top of Pipe (TOP) Elevation (m asl)	December 22, 2022		January 18, 2023	
			Water Level (m bgs)	Water Elevation (m asl)	Water Level (m bgs)	Water Elevation (m asl)
BH/MW121	78.210	79.015	-	-	2.60	76.415
BH/MW128R	79.817	80.629	3.60	76.217	-	-
BH/MW201	80.34	80.994	2.70	77.640	4.25	76.744
BH/MW202	78.925	79.792	3.12	75.805	3.15	76.642
BH/MW203	77.722	78.504	2.22	75.502	3.05	75.454
BH/MW204	76.855	77.648	1.50	75.355	2.05	75.598
BH/MW205	76.695	77.524	0.82	75.875	1.85	75.674
BH/MW206	75.906	76.795	Dry	-	1.21	75.585
BH/MW207	76.794	77.576	7.44	69.354	6.67	70.906
BH/MW208	76.677	77.49	0.85	75.827	2.08	75.410

Monitoring Well ID	Ground Surface (GS) Elevation (m asl)	Top of Pipe (TOP) Elevation (m asl)	December 22, 2022		January 18, 2023	
			Water Level (m bgs)	Water Elevation (m asl)	Water Level (m bgs)	Water Elevation (m asl)
BH/MW209	77.129	77.875	1.64	75.489	1.88	75.995
BH/MW210	77.126	77.881	1.25	75.876	2.08	75.801
BH/MW211	77.340	77.968	1.17	76.170	1.70	76.268
BH/MW212	77.377	78.219	1.08	76.297	2.05	76.169
BH/MW213	77.682	78.514	2.01	75.672	2.36	76.154
BH/MW214	78.852	79.7	2.08	76.772	2.45	77.250
BH/MW 215	77.884	78.755	1.58	76.304	2.40	76.355
BH/MW216	78.967	79.816	0.53	78.437	1.20	78.616
BH/MW217	79.025	79.887	4.50	74.525	3.76	76.127
BH/MW218	78.941	79.745	1.19	77.751	1.19	78.555
BH/MW219	82.603	83.405	3.11	79.493	2.98	80.425
BH/MW220	79.316	79.986	2.26	77.056	1.15	78.836
BH/MW221	79.260	80.092	0.96	78.30	1.49	78.602
BH/MW222	79.093	79.951	2.37	76.890	1.56	78.391
BH/MW223	79.244	80.228	0.70	78.544	1.45	78.778
BH/MW224	82.837	83.718	3.82	79.017	1.83	81.888
BH/MW228	76.362	77.216	Dry	-	1.30	75.916
BH/MW 232	-	-	1.09	-	-	-
BH/MW234	-	-	1.67	-	-	-
BH/MW235	-	-	1.08	-	-	-

Note: Groundwater elevations will fluctuate according to prevailing meteorological conditions.

6.2.2.2 Direction of Groundwater Flow Modelling

Based on stabilized groundwater elevations recorded in the monitoring wells that intercepted the top of the water table, the local groundwater flow was determined to be towards the southwest, towards the Bay of Quinte, beneath the Phase Two Property (see Figure 1-6a), consistent with the groundwater flow direction determined by the Phase One ESA.

6.2.2.4 Potential Interaction of Groundwater with Buried Utilities

The only underground utilities on, in, and under the Phase Two Property is the concrete sanitary sewer line that crosses the north end of the property in an east-west direction. This sewer is shallower than the water table and there is no evidence to suggest that it is acting as a preferential pathway for contaminant migration in groundwater.

There are no other subsurface utility conduits of structures on the Phase Two Property.

6.3 GROUNDWATER: HYDRAULIC GRADIENTS

6.3.1 Horizontal Gradient

Table 18 provides a summary of groundwater flow data for the major geologic units within the Phase Two property (based on measurements across the Bakelite property as reported in WESA (2012b)).

Table 18: Summary of Groundwater Flow Data for Geologic Units

Unit	Hydraulic Conductivity (m/sec)	Gradient	Effective Porosity	Average Linear Groundwater Velocity (m/year)	Comments
Fill	NA	NA	NA	NA	Dry
Silty Clay with Gravel	$1x10^{-5}$	0.019	0.3	20	Dry
Shallow Bedrock	$3x10^{-5}$	0.019	0.14	126	Main Groundwater Pathway

The average hydraulic gradient is estimated to be 0.019. The effective porosity of the silty clay with gravel unit is estimated to be 0.3 and the effective porosity of the shallow bedrock is estimated to be 0.14. The average linear groundwater velocity of the silty clay with gravel unit is estimated to be 20 m/year and the average linear groundwater velocity of the shallow bedrock is estimated to be 126 m/year. The shallow bedrock is considered to be the main groundwater flow pathway at the site based on the distribution of where groundwater was found, the hydraulic conductivity of the units, and the resultant groundwater velocity.

6.3.2 Vertical Gradient

Chemical impacts were not identified within the shallow hydro stratigraphic unit, or the groundwater contained within, and as such, calculation of the vertical gradient is not required.

6.4 FINE-MEDIUM SOIL TEXTURE

Fine – medium soil texture is defined within the Regulation as soil that contains more than 50 percent by mass of particles that are 0.075 mm or smaller in mean diameter. Particle size analyses were completed on nine discrete samples collected from the phase two property. The results from the particle size analysis are included in Table 19.

Table 19: Soil Particle Size Analysis Summary

Sample ID	Percent of Particles with Mean Diameter < 0.075 mm
BH10-SS2	46%
BH27-SS3	49%
BH29-SS4	78%
BH30-SS2	61%
BH49/55 Comp*	78.5%
BH137/139 Comp**	62.2%

Notes:
* Composite includes soil from BH49-SS3, BH49-SS4 and BH55-SS4
** Composite includes soil from BH137-SS1 and BH139-SS1

The soils on the phase two property are classified as fine to medium texture based on the average of the results from the soil particle size analyses. The fine-medium soil texture criteria have been applied where applicable for comparison to soil chemistry results.

6.5 SOIL: FIELD SCREENING

As discussed in Section 5.4, all soil samples collected on December 15 to 19, 2023, were examined in the field for lithology as well as for aesthetic evidence of impacts (i.e., debris, staining and odors). Headspace combustible vapour measurements (excluding methane) using a RKI *Eagle* 2 Gas Monitor calibrated to hexane.

Some of the soil samples collected during the field investigation programs exhibited detectible visual, olfactory, or headspace combustible vapours. The field screening measurements are included on the borehole logs provided in Appendix B.

6.6 SOIL QUALITY

Soil samples collected from twenty-nine (29) boreholes advanced at the northwest portion of the Phase Two Property were tested to investigate the APECs identified in Section 4.3, described in (Section 4), and shown on Figure 1-8. Furthermore, soil samples collected from boreholes advanced across the Phase Two Property were tested for excess soil management purposes. Five quality control samples were also collected and submitted for chemical analysis, BH202 SS2-Dup (field duplicate of BH202 SS2), BH213 SS2-Dup (field duplicate of BH213 SS2), BH220 SS1-DUP (field duplicate of BH220 SS1), BH223 SS1-DUP (field duplicate of BH223 SS1), and TP231b-dup (field duplicate of TP231b).

Analytical results are compared to Table 7 SCS for Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition for fine to medium textured soils, as summarized in Tables 1 to 5 (Appendix D) and shown on Figures 2-1a to 2-11a. Maximum soil contaminant concentrations, together with their respective locations and sample depths, are summarized in these tables.

In 2022, many parameters' concentrations were above the Table 7 SCS. There were exceedances of BTEX, HFMs, Metals, ORPs, PAHs, PCBs, and PHCs in the soil samples collected from the boreholes and test pits.

The original laboratory Certificates of Analyses are provided in Appendix C.

6.7 GROUNDWATER QUALITY

Groundwater samples from monitoring wells BH/MW121, BH/MW128R, BH/MW201, BH/MW202, BH/MW203, BH/MW204, BH/MW205, BH/MW206, BH/MW207, BH/MW208, BH/MW209, BH/MW210, BH/MW211, BH/MW212, BH/MW213, BH/MW214, BH/MW215, BH/MW216, BH/MW217, BH/MW218, BH/MW219, BH/MW220, BH/MW221, BH/MW222, BH/MW223, BH/MW224, BH/MW228, BH/MW 232, BH/MW234, and BH/MW235, located around the Phase Two Property were collected in January 2023 to investigate the APECs identified in Section 4.3, described in Table 2 (end of text), and shown on Figure 7 (Section 9.2). Three quality control sample was collected, GW-Dup1 (collected from monitoring well BH/MW201), GW-Dup2 (collected from monitoring well BH/MW2215), and GW-Dup3 (collected from monitoring well BH/MW213).

Analytical results are compared to Table 7 SCS for Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition for fine to medium textured soils, as summarized in Tables 6 to 10 (Appendix D). Maximum groundwater contaminant concentrations, together with their respective locations and screen intervals, are summarized in these tables.

In 2023, many parameters' concentrations were above the Table 7 SCS. There were exceedances of BTEX, Metals, ORPs, PAHs, PCBs, VOCs, and PHCs in the groundwater samples from the monitoring wells.

The original laboratory Certificates of Analyses are provided in Appendix C.

6.8 Surface Water and Sediment Quality

There are no water features and consequently no surface water or sediment on the Phase Two Property. Therefore, no surface water or sediment samples were collected or submitted for chemical analysis during this Phase Two ESA.

6.9 Quality Assurance and Quality Control Results

All of the samples were handled in accordance with the Analytical Protocol with respect to the holding time, preservation method, storage requirements, and container type.

BluMetric received a certificate of analysis for each sample submitted to the laboratory. Copies of the certificates are included in Appendix C.

6.9.1 Quality Control Sampling

6.9.1.1 Duplicate Samples

Precision is a measure of the reproducibility of analytical results and can be expressed quantitatively by the relative percent difference (RPD) between the original sample and the blind duplicate sample.

The RPD is defined by the following equation:

$$RPD = 2 \times \frac{|(S - D)|}{(S + D)} \times 100$$

Where: S = concentration of in the original sample
D = concentration in the duplicate

RPDs were only calculated where both the sample result "S" and the duplicate result "D" were above the analytical reportable detection limits (RDL). The Phase Two ESA duplicate sample RPD acceptance criterion was set at 40% or less for groundwater samples, and 60% or less for soil samples. Where the reported concentrations were less than ten times the laboratory reportable detection limit (RDL), lower precision is expected.

The acceptable guideline limits for various analysis groups are noted below:

Table 20: Guideline Limits for Various Analysis Groups

Parameter Category	Recommended RPD at concentrations exceeding 5 times the Method Detection Limit
Organics in soil • VOCs • PAHs • PHCs	 50% 40% 30%
Organics in water	30%
Metals in soil	30%
Metals in water	20%
General inorganics in solids	30%
General inorganics in water	20%

Source: Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011

In December 2022, five duplicate soil samples were collected from BH202-SS2, BH213-SS2, BH220-SS1, BH223-SS1, and TP231b (BH202-SS2-DUP, BH213-SS2-DUP, BH220-SS1-DUP, BH223-SS1-DUP, and TP231b-DUP respectively). Duplicate samples were submitted for analyses of PHCs, BTEX, Metals, VOC and ORP parameters.

In January 2023, three duplicate groundwater samples (GWDUP1, GWDUP2, and GWDUP3) were collected from monitoring wells MW201, MW215, and MW213 respectively. The duplicates were submitted for analyses of PHCs, BTEX, Metals, VOC and ORP parameters.

The calculated RPDs for applicable parameters between the original sample and its laboratory duplicate are summarized in Table 11 for soil, and Table 12 for groundwater in Appendix D. The tables include only parameters that had measurable RPDs. Where either the sample or its duplicate return non-detect concentrations for any single parameter, an RPD cannot be calculated and therefore is not shown in the following table.

For metals, BTEX, PAH, and ORPs, RPDs for soil and groundwater are generally within the acceptable RPD range. BH220-SS1-DUP exhibited an exceedance for lead. For PAHs, the RPDs for soil and groundwater were non-detect.

6.9.1.2 Procedures Used in the Laboratory

Laboratories implement additional QA/QC procedures. These include analyzing selected samples twice (as described above), but also include analyzing surrogate chemicals or "spiked blanks" (to show that the analytical equipment is operating within the desired tolerances of accuracy and analyzing method blanks (to show that analytical equipment is not contaminated). The reports

received from laboratories thoroughly document these procedures as well as describe the methodology and instrumentation used for the analysis.

None of the lab reports for this Phase Two ESA raised concerns about the validity of the data quality or included annotations about data quality. During this Phase Two ESA, there were no deviations from the sample holding times, preservation methods, storage requirements, or sample container types stipulated by the laboratory.

Overall, the quality of the data produced by the soil and ground water quality investigations is adequate and there are no aspects of the data that have restricted decision-making or characterizing soil and ground water quality on the Phase Two Property.

6.9.1.3 Trip and Field Blanks

One groundwater trip blank was used during this Phase Two ESA and submitted for PHCs, BTEX, Metals, ABN, Chlorophenols, VOC and ORP parameters. Concentrations were below detection limits.

One groundwater field blank was used during this Phase Two ESA and submitted for PHCs, BTEX, Metals, VOC and ORP parameters. Concentrations were below detection limits.

6.9.2 Non-Compliance to Analytical Protocols

There are no reported incidents relating to non-compliant analytical protocols.

6.9.3 Laboratory Certificates of Analyses

All certificates of analysis or analytical reports received pursuant to clause 47 (2) (b) of the regulation comply with subsection 47 (3) of O. Reg. 153/04.

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 in full and are reproduced in Appendix C.

6.10 Phase Two Conceptual Model

The Phase Two Conceptual Site Model (CSM) has been prepared based on information and data collected to date through Phase One and Two ESAs conducted at 621 Dundas Street East, Belleville, Ontario, by BluMetric Environmental Inc.

The Phase Two CSM consists of the following text and the referenced drawings:

Table 21: CSM Narrative Mandatory Requirements

Required Content	Comment
Section i. A description and assessment of, ***i.*** areas where potentially contaminating activity (PCA) has occurred,	There are 9 on-site PCAs on the property and eight off-site that are considered to have the potential to affect the property. The locations of the PCAs area described in Figure 1-07A.
ii. areas of potential environmental concern (APECs), and	There are 45 APECs where PCAs may have affected the soil and/or groundwater at the subject site (please refer to *Figure 1-07B*). The table summarizing the APECs on the Phase One Property can be found in Section 3.2.1 above. *Figure 1-08* shows the soil and groundwater sampling locations superimposed with the APECs described above.
iii. any subsurface structures and utilities on, in or under the Phase Two Property that may affect contaminant distribution and transport,	A sanitary sewer in an east-west direction along the north edge of the Phase Two Property. Several old, buried pipes run along the east side of the central pond and extend from the former factory building to the pump house located at the edge of the Bay of Quinte. A disconnected sanitary pipe remains visible near the cement pad. The presence of these underground utilities may affect groundwater flow, depending on the depth of the groundwater table.
Section ii. a description of and, as appropriate, figures illustrating, the physical setting of the Phase Two Property and any areas under it including,	The Phase Two Property is 14.63 hectares in size, irregularly shaped, and is currently vacant. The Phase Two Property is bounded on the north by Dundas Street East and the CP Rail tracks, on the east by portions of the former Bakelite property that are not part of the Phase Two Property, on the south by wetlands and the Bay of Quinte and on the west by a mix of commercial and residential land. Northwest of the former Bakelite property is a taxi and car dealership. A warehouse that historically stored PCBs is located 117 meters east of the Phase Two Property. The general location of the Phase Two Property is shown on Figure 1-01. The Phase One study area and its features are presented on Figure 1-05. The Property generally slopes from the topographically high north property boundary along Dundas Street East, down towards the Bay of Quinte and has an elevation of approximately 83 to 74 metres above sea level (ASL), as shown in *Figure 1-02*. There are no water bodies, permanent streams, rivers or similar watercourses, ponds, or areas of natural significance on the Property. The Property is over 30 metres from the provincially significant wetland (PSW) boundary to the south. The Phase One Study Area ("surrounding area") covers land uses within a 250 metres radius of the Property, as shown in *Figure 1-01*. The Bay of Quinte is located approximately 30 metres south of the property within the Phase One Study Area. A PSW is also within the Phase One Study Area over 30 metres from the property, as shown in *Figure 1-01*.

Required Content	Comment
A. stratigraphy from ground surface to the deepest aquifer or aquitard investigated, hydrogeological characteristics, including aquifers, aquitards and, in each hydrostratigraphic unit where one or more contaminants is present at concentrations above the applicable site condition standards, lateral and vertical gradients.	Regional overburden consists generally of glaciolacustrine silt and clay grading upward to massive to laminated or bedded sand and silt. There has been a considerable amount of disturbance of the overburden across much of the Phase Two Property as a result of the past development and operation of the Bakelite plant, and the subsequent dredging, infilling and building demolitions activities carried out on the site. The overburden stratigraphy is relatively variable as a result of these disturbances. The thickness of the overburden ranges from 0.7 to 4.3 metres. The overburden is generally thickest in the northern part of the property, but much of this "overburden" is imported fill. Fill was encountered near surface in most of the boreholes drilled on the Phase Two Property. This fill consists of silty sand and gravel with bricks, and other debris. The fill, where present, has a maximum thickness of approximately 2 metres. The fill unit was generally dry where encountered. Besides fill, silty clay with gravel was encountered in the majority of the boreholes at the Phase Two Property. The bedrock beneath the Phase Two Property consists of interbedded limestone and shale of the Middle Ordovician Verulam Formation. The upper portion of the bedrock (approximately 3 to 4 metres) is relatively weathered and fractured. Please refer to Cross-Sections presented as *Figures 1-10A-B.* The locations of the Cross-Sections are shown on *Figure 1-08.*
	The majority of the boreholes that were drilled across the Phase Two property did not encounter groundwater until the bedrock was reached. This is likely due to the relatively thin nature of the overburden which cannot support a shallow aquifer. The main water bearing zone was found to be the shallow bedrock, and this zone is considered to be the primary pathway for groundwater flow at the site. Hydraulic conductivity values for the overburden (silty clay with gravel) ranged between 3.17 x 10-4 m/s and 4.44 x 10-8 m/s with a geometric mean of 1 x 10-5 m/s, and for the upper bedrock ranged between 1.15 x 10-3 m/s and 1.7 x 10-6 m/s with a geometric mean of 3 x 10-5 m/s. It is our interpretation that the upper bedrock hydraulic characteristics are such that the overburden and shallow bedrock (upper 4 to 5 metres) essentially behave as a single hydrostratigraphic unit. Groundwater contours for groundwater elevations measured on December 22, 2023, and January 18, 2023, are presented on *Figures 1-9*. The groundwater equipotential lines indicate that groundwater is flowing to the southwest across most of the Phase Two Property. The average hydraulic gradient is estimated to be 0.019. The effective porosity of the silty clay with gravel unit is estimated to be 0.3 and the effective porosity of the shallow limestone bedrock is estimated to be 0.14. The average linear groundwater velocity of the shallow bedrock is estimated to be 126 m/year. The shallow bedrock is considered to be the main groundwater flow pathway at the site based on the distribution of where groundwater was found, the hydraulic conductivity of the units, and the resultant groundwater velocity.
B. approximate depth to bedrock,	Bedrock was encountered at various depths ranging approximately 0.0 m bgs to 4.27 m bgs during the Phase Two ESA investigation. Depth to bedrock is identified in the cross-sections shown on *Figures 1-10A to 1-10B.*
C. approximate depth to water table,	Measured depths to groundwater ranges from 0.0.53 to 6.67 m bgs. Groundwater elevations and flow direction are illustrated in *Figure 1-09.*

Required Content	Comment
D. any respect in which section 35, 41 or 43.1 of the regulation applies to the property,	In respect of Section 35 pertaining to the use of non-potable site condition standards: Agricultural or other is NOT a land use intended for the Phase Two Property. The property is NOT located in an area designated in the municipal official plan as a well-head protection area or other designation identified by the municipality for the protection of groundwater. Properties adjacent to the east are currently on well water. These residences have agreed in writing to switch to municipal supply when water mains are installed as part of the development of the Phase Two Property. No Areas of Natural Significance or surface water bodies were identified on the Phase Two Property. Soil pH was found to be within the acceptable range. Therefore, Section 41 does not apply to the Phase Two Property. The site is considered to be a shallow soil property based on the average depth to bedrock (approximately 2 metres). Therefore Section 43.1 of the regulation applies to the Phase Two Property. No water bodies were identified on the Phase Two Property, nor within 30 metres of the Phase Two Property. The nearest water body is the Bay of Quinte, located approximately 30 metres south of the Phase Two Property.
E. areas where soil has been brought from another property and placed on, in or under the Phase Two Property, and	Uncharacterized fill material was placed throughout the majority of the northern, central and southern portions of the Phase Two property. Fill material at the site was found at a maximum thickness of 2 metres. Fill was found to contain construction debris, metal, and pieces of solid resin. Based on previous investigations, fill material on-site is impacted with various metals, PCBs, PHCs, and VOCs. No soil was brought from another property and placed on, in or under the Phase Two Property as backfill materials for the excavation or final grading purposes following remediation.
F. approximate locations, if known, of any proposed buildings and other structures.	There are currently no buildings on the Phase Two Property. The Phase Two Property is proposed to be developed for mixed commercial and residential use. The design and placement of proposed building is unknown at this time.
Section iii. Where a contaminant is present, in or under the Phase Two Property at a concentration greater than the applicable site condition standard, identification of,	The evaluation of impacts in soil and groundwater is based upon analytical data obtained during this Phase Two ESA. While substantial environmental assessment work was completed in the 1990s and early 2000s, these reports have several limitations. Site condition standards have been revised and laboratory method detection limits of the 1990s were not sensitive enough for certain parameters which now have much lower criteria. Some parameters tested do not have SCS and are not listed in method groups in the current regulation. Several parameters were not extensively or uniformly tested across the Phase Two Property and good delineation is not available. Extensive earthworks that were carried out between 2005 and 2010, by the previous property owner, have significantly disturbed many areas of the property, and rendered much of the previous environmental data irrelevant. Please refer to *Figures 2-01* through *2-21* depicting plans and cross-sections of inferred locations and depth ranges of soil and groundwater impacts, based on analytical results compared with the applicable SCS.

Required Content	Comment
A. each area where a contaminant is present on, in or under the Phase Two Property at a concentration greater than the applicable site condition standard,	*Figure 1-08* illustrates sampling locations with respect to the APECs. *Figures 2-01* through *2-19* depict the locations of contaminant exceedances on the Property by analytical method group and delineate the areas of impact. <u>Contaminant Impacts to Soils</u> Soil in the central, western, and eastern portions of the property was found to be impacted with a variety of metals, hydride forming metals, PHCs, PAHs, BTEX, ABNs, PCBs, and ORP, as shown in *Figures 2-01A, 2-02A, 2-04A, 2-05A, 2-06A, 2-07A, 2-08A and 2-09A.* Soil in the western portion of the property was found to be impacted with VOCs (carbon tetrachloride and dichloroethane, trans-1,2-), as shown in Figure 2-03A. Other parameters including Organochlorine Pesticides (OC), Chlorophenol, pH, and SAR, were not found to exceed the applicable SCS in soil at the site. <u>Contaminant Impacts to Groundwater</u> Groundwater in the central portion of the property was found to be impacted with sodium and PCBs, as shown in *Figures 2-12A and 2-19A.* Groundwater in the central, eastern and western portions of the property was found to be impacted with VOCs, PHCs, PAHs, BTEX, and ORP, as shown in *Figures 2-14A, 2-15A, 2-16A, 2-17A and 2-18A.* Other parameters including ABNs, THMs, Chlorophenol were not found to exceed the applicable SCS in soil at the site.
B. the contaminants associated with each of the areas referred to in subparagraph A,	<u>Contaminant Impacts to Soils</u> • **Metals:** Barium, Molybdenum, Vanadium, Lead, Cadmium, Copper, Zinc, Nickel, Thallium • **Hydride Forming Metals:** Arsenic, Selenium • **VOCs:** Carbon Tetrachloride, Dichloroethene, trans-1,2- • **Other Regulated Parameters (ORPs) in soil**: Mercury, Boron (hot water soluble), electrical conductivity • **PHCs:** F1, F2, F3, and F4 fractions • **PAHs:** Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Methylnaphthalene, 1+2-, Methylnaphthalene, 1-, Methylnaphthalene, 2-, Naphthalene, Phenanthrene, Pyrene • **ABNs:** Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Phenol • **BTEX:** Benzene, Toluene, Xylenes • **PCBs** <u>Contaminant Impacts to Groundwater</u> • **Metals:** Sodium • **VOCs:** Bromomethane, Dichlorobenzene, 1,4-,, Dichloroethene, 1,1-, Tetrachloroethene • **Other Regulated Parameters (ORPs) in soil**: Mercury, Chloride • **PHCs:** F1, F2, F3, and F4 fractions • **PAHs:** Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Naphthalene, Pyrene • **BTEX:** Benzene, Toluene, Xylenes • **PCBs**

Required Content	Comment
C. each medium in which a contaminant associated with an area referred to in subparagraph A is present,	• Soil • Groundwater
D. a description and assessment of what is known about each of the areas referred to in subparagraph A,	<u>Contaminant Impacts to Soils and Groundwater</u> The soil impacts identified relate to waste storage and management practices during industrial operations at the Property and the importation of fill of unknown quality within the Property. During the earlier operation of the Bakelite plant, some of the facility's solid and liquid industrial wastes were buried on the Phase Two Property. The liquid products were generally stored in drums and then buried. The solid waste, such as out of specification products, were generally deposited directly in the dumps at the site. Fill was also distributed throughout this area, redistributed and regraded during demolition and earthworks undertaken by a previous owner from 2005 to 2011. The soil impacts identified in this present Phase Two ESA constitutes residual contamination.
E. the distribution, in each of the areas referred to in subparagraph A, of each contaminant present in the area at a concentration greater than the applicable site condition standard, for each medium in which the contaminant is present, together with figures showing the distribution,	<u>Contaminant Impacts to Soils</u> *Figures 2-01* through *2-09* show the distribution of soil impacts across the property. The contaminant impacts listed above are considered to be residual contamination from previous waste disposal and management practices at the property and the distribution of fill. Contaminant impacts were identified in discontinuous locations scattered throughout northern, eastern, and western portions of the Phase Two Property. These impacts were found throughout the overburden profile, from surface to bedrock. <u>Contaminant Impacts to Groundwater</u> *Figures 2-12* through *2-21* show the distribution of groundwater impacts across the property. The contaminant impacts listed above are considered to be residual contamination from previous waste disposal and management practices at the property. Contaminant impacts were identified in discontinuous locations scattered throughout northern, eastern, and western portions of the Phase Two Property. These impacts were found throughout the shallow bedrock aquifer.
F. Anything known about the reason for the discharge of the contaminants present on, in or under the Phase Two Property at a concentration greater than the applicable site condition standard into the natural environment,	<u>Contaminant Impacts to Soils and Groundwater</u> The contaminants identified relate to waste storage and management practices during industrial operations at the property and the importation of fill of unknown quality on the property.

Required Content	Comment
G. Anything known about migration of the contaminants present on, in or under the Phase Two Property at a concentration greater than the applicable site condition standard away from any area of potential environmental concern, including the identification of any preferential pathways,	Contaminant Impacts to Soils The Phase Two Property meets the conditions of a shallow soils site. Impacts to shallow soils were identified. Impacts to groundwater were also identified under the Phase Two Property. Contaminants identified in soil and groundwater are not expected to have migrated significantly away for the identified APECs and no preferential migration pathways were identified. Any dispersion of contaminants is likely associated with earthworks and grading activities undertaken on site.
H. Climatic or meteorological conditions that may have influenced distribution and migration of the contaminants, such as temporal fluctuations in groundwater levels, and	Climatic or meteorological conditions could influence the distribution and migration of any identified contaminants by raising or lowering the groundwater table. Fluctuations in groundwater level due to climatic or meteorological conditions are likely to have occurred over time, but these fluctuations are unlikely to have significantly affected the distribution or migration of contaminants, based on geology. Impacts to groundwater were identified and the majority of impacts found in soil were relatively insoluble parameters (metals, antimony PAH, F2 & F3 PHC and ABN). More soluble contaminants such as mercury, VOCs, BTEX,) were dispersed throughout the site with no clear trend of migration. This suggests that their presence is associated with placement and or grading of poor-quality fill throughout the central, eastern, and western portion of the Phase Two Property.
I. If applicable, information concerning soil vapour intrusion of the contaminants into building including, (1) relevant construction features of a building, such as a basement or crawl space, (2) building heating, ventilation and air conditioning design and operation, (3) subsurface utilities.	There are no buildings on the Phase Two Property, and therefore vapour intrusion into buildings on the Phase Two Property is not relevant. The majority of impacts found in surficial soil across the Phase Two property were from contaminants with minimal volatility (metals, antimony, low-level PAHs, ABN, EC, B(HWS)). Other potentially more volatile contaminants such as benzene, toluene, CN-, mercury and PHCs were detected intermittently in discrete pockets across the site, which were delineated during the Phase Two ESA. These contaminants do not appear to be migrating and were detected in groundwater samples from the property. There is future risk of vapour intrusion into new buildings proposed for the site.

Required Content	Comment
Section iv. Where contaminants on, in or under the Phase Two Property are present at concentrations greater than the applicable site condition standard, one or more cross-sections showing the lateral and vertical distribution, approximate depth to water table, stratigraphy from ground surface to the deepest aquifer/aquitard investigated, and any subsurface structures.	**Impacts to Soil** Cross-sections describing the vertical and lateral distribution of impacts to soil are shown in the following Figures: • Figure 2-01B and 2-01K: Metal Impacts • Figure 2-02B and 2-02H: Hydride Forming Metals Impacts • Figure 2-03B and 2-03C: VOC Impacts • Figure 2-04B and 2-04L: PHC Impacts • Figures 2-05B and 2-05L: PAH Impacts • Figures 2-06B and 2-06J: BTEX Impacts • Figures 2-07B and 2-07E: ABN Impacts • Figures 2-08B and 2-08J: PCB Impacts • Figures 2-09B and 2-09G: ORP Impacts **Impacts to Groundwater** Cross-sections describing the vertical and lateral distribution of impacts to groundwater are shown in the following Figures: • Figure 2-12B and 2-12C: Metal Impacts • Figure 2-14B and 2-14F: VOC Impacts • Figure 2-15B and 2-15I: PHC Impacts • Figures 2-16B and 2-16F: PAH Impacts • Figures 2-17B and 2-17F: BTEX Impacts • Figures 2-18B and 2-18C: ORP Impacts • Figures 2-19B: PCB Impacts
Section v. For each area where a contaminant is present on, in or under the property at a concentration greater than the applicable site condition standard for the contaminant, a diagram identifying the release mechanisms, contaminant transport pathway, the human and ecological receptors located on, in, or under the Phase Two Property, receptor exposure points, and routes of exposure.	The exposure routes for humans and ecological receptors pertaining to the impacts in fill material in the southern portion of the Property are presented in Figures 3-1A to 3-1D. There are no surface waterbodies or areas of sediment present on the property, and as such these media do not represent contaminant sources. Contaminants on the Phase Two property include metals, hydride forming metals, PHCs, PAHs, BTEX, ABNs, PCBs, and ORP in soil as a result of waste storage and management practices during industrial operations and the importation of fill of unknown quality within central, eastern, and western portion of the property. Groundwater contaminants on the Phase Two Property include sodium, PCBs, VOCs, PHCs, PAHs, BTEX, and ORP. Current human receptors at the site include Trespasser, MUC Workers, Occasional Contract Workers, and Off-site Receptors. These receptors may be exposed to COCs in soil through ingestion or dermal contact as result of direct contact with soil as well as through the inhalation of soil particles that become airborne in outdoor air. Trespassers, MUC Workers, and Occasional Contract Workers may also be exposed by inhalation to compounds in soil and groundwater that volatilize into outdoor air. Off-site Receptors may be exposed to COCs in soil through the inhalation of soil particles that become airborne and migrate through outdoor air or migrate to inside a building. Exposure through inhalation of volatile compounds is not considered operable for Off-Site Receptors.

Required Content	Comment
Section v. ***(continued)*** For each area where a contaminant is present on, in or under the property at a concentration greater than the applicable site condition standard for the contaminant, a diagram identifying the release mechanisms, contaminant transport pathway, the human and ecological receptors located on, in, or under the Phase Two Property, receptor exposure points, and routes of exposure.	Future human receptors at the site include Residents, Indoor Workers, MUC Workers and Off-site Receptors. The Resident and Indoor Worker receptors may be exposed to COCs in soil through the inhalation of soil particles that become airborne and migrate through outdoor air or through soil particles that become airborne and migrate to inside a building, or through inhalation of volatile compounds in soil and groundwater to in indoor air or outdoor air. These receptors may also be exposed to COCs in soil through ingestion or dermal contact as result of direct contact with soil. The MUC Worker may be exposed to COCs in soil through the inhalation of soil particles that become airborne in outdoor air or through ingestion and dermal contact as a result of direct contact with soils, or through the inhalation of volatile compounds. Off-site Receptors may be exposed to COCs in soil through the inhalation of soil particles that become airborne and migrate through outdoor air or migrate to inside a building. Exposure through inhalation of volatile compounds is not considered operable for Off-site Receptors. The Phase Two property does not have a garden, and no ingestible biota are grown on the Phase Two Property. Therefore, ingestion of local food items is not a complete exposure route for human receptors. There are no surface water or sediment, and as such there are no completed exposure routes for these media.
Section v. ***(continued)*** For each area where a contaminant is present on, in or under the property at a concentration greater than the applicable site condition standard for the contaminant, a diagram identifying the release mechanisms, contaminant transport pathway, the human and ecological receptors located on, in, or under the Phase Two Property, receptor exposure points, and routes of exposure.	Ecological receptors at the site include Plants, Soil Organisms and Mammals and Birds. Plants may be exposed to COCs in soil through uptake from foliar deposition as a result of soil particles that have become airborne. Plants may also be exposed to COCs in soil and groundwater through root uptake from direct contact with soils. Soil organisms, Mammals and Birds may be exposed to COCs in soil through dermal contact as a result of soil particles that have become airborne. These receptors may also be exposed to COCs in soil and groundwater through dermal contact and ingestion as a result of direct contact with soils or groundwater, and through inhalation of volatile compounds in outdoor air. Soil organisms, Mammals and Birds may also ingest food web items that have been exposed to COCs in soil and groundwater.

The Conceptual Site Model (CSM) makes reference to the following figures:

Table 22: CSM Figure Mandatory Requirements

Figure #	Description
Figure 1-01: Phase One Property and Study Area	Presents the location of the Phase Two Property and the extent of the Phase One Study Area.
Figure 1-02: Topographical Map, Areas of Natural Significance and Water Bodies	Shows the location of any Areas of Natural Significance and/or water bodies that are on, or within 30 m of, the Phase Two Property
Figure 1-03: Decision Matrix	Shows the decision matrix to determine the applicable Site Condition Standards (SCS) for the Phase Two Property.
Figure 1-04: MECP Well Records Map	Shows the locations of all reported wells on the Phase Two Property and within the Phase One Study Area.
Figure 1-05: Phase One Property Site Features	Shows the locations of the historical and existing site features on the Phase Two Property.

Figure #	Description
Figure 1-07A: CSM – Potentially Contaminating Activities	Shows the locations of on-site and off-site PCAs on the Phase Two Property and within the Phase One Study Area identified in the Phase One ESA.
Figure 1-07B: CSM - Phase Two Property	Shows the locations of APECs on the Phase Two Property that would result from the PCAs identified in the Phase One ESA.
Figure 1-08: Sampling Locations and Profile Locations with APECs	Shows a plan view of the locations of boreholes and monitoring wells advanced during the Phase Two ESA investigation, and the locations of *Cross-Sections A-A' to Q-Q'*
Figures 1-08A to 1-08Q: General Stratigraphy - Cross-Section A-A' to Q-Q'	The cross-sections illustrate the stratigraphy encountered during the Phase Two ESA, the static groundwater elevations observed, and any located subsurface structures or utilities if present.
Figure 1-9: Groundwater Elevations & Inferred Flow Direction	Illustrates the local groundwater flow direction based on measured ground surface and static shallow groundwater elevations within the Phase Two Property.
Figure 2-01A: Impacts in Soil – Metals	Sample locations and concentrations for Metals contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-01B to Figure 2-01K: Impacts to Soil – Metals Cross-Section B-B', C-C', D-D', E-E', F-F', J-J', K-K', L-L', and O-O'	Cross-sections illustrate the lateral and vertical distribution of Metal contaminant impacts to soils, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-02A: Impacts in Soil – Hydride-Forming Metals (HFM)	Sample locations and concentrations for Hydride-Forming Metals contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-02B to Figure 2-01G: Impacts to Soil – HFMs Cross-Section C-C', J-J', K-K', L-L', M-M', and N-N'	Cross-sections illustrate the lateral and vertical distribution of HFMs contaminant impacts to soils, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-03A: Impacts in Soil – VOCs	Soil sample locations and concentrations for VOC contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-03B to Figure 3-01C: Impacts to Soil – VOCs Cross-Section A-A' and B-B'	Cross-sections illustrate the lateral and vertical distribution of VOCs contaminant impacts to soils, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-04A: Impacts in Soil – PHCs	Soil sample locations and concentrations for PHC contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-04B to Figure 2-04L: Impacts to Soil – PHCs Cross-Section A-A', B-B', C-C', D-D', E-E', F-F', G-G', H-H', K-K', N-N', and O-O'	Cross-sections illustrate the lateral and vertical distribution of PHCs contaminant impacts to soils, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-05A: Impacts in Soil – PAHs	Soil sample locations and concentrations for PAH contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-01B to Figure 2-01M: Impacts to Soil – PAHs Cross-Section A-A', B-B', D-D', E-E', F-F', H-H', J-J', K-K', L-L', M-M', N-N', and O-O'	Cross-sections illustrate the lateral and vertical distribution of PAH contaminant impacts to soils, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-06A: Impacts in Soil – BTEX	Soil sample locations and concentrations for BTEX contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-06B to Figure 2-06J: Impacts to Soil – BTEX Cross-Section A-A', B-B', D-D', E-E', F-F', J-J', M-M', N-N', and O-O'	Cross-sections illustrate the lateral and vertical distribution of BTEX contaminant impacts to soils, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-07A: Impacts in Soil – ABNs	Soil sample locations and concentrations for ABN contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-07B to Figure 2-07E: Impacts to Soil – PAHs Cross-Section D-D', E-E', F-F', and O-O'	Cross-sections illustrate the lateral and vertical distribution of ABN contaminant impacts to soils, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.

Figure #	Description
Figure 2-08A: Impacts in Soil – PCBs	Soil sample locations and concentrations for PCB contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-08B to Figure 2-08J: Impacts to Soil – PAHs Cross-Section C-C', D-D', E-E', F-F', H-H', I-I', J-J', K-K', L-L', and M-M'	Cross-sections illustrate the lateral and vertical distribution of PCB contaminant impacts to soils, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-09A: Impacts in Soil – ORP	Soil sample locations and concentrations for ORP contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-09B to Figure 2-09G: Impacts to Soil – ORPs Cross-Section A-A', D-D', I-I', K-K', L-L', N-N', and O-O'	Cross-sections illustrate the lateral and vertical distribution of ORP contaminant impacts to soils, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-10A: Impacts in Soil – OCs	Soil sample locations and concentrations for OCs contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-11A: Impacts in Soil – CPs	Soil sample locations and concentrations for CPs contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-12A: Impacts in Groundwater – Metals	Groundwater sample locations and concentrations for Metal contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-12B to Figure 2-12C: Impacts to Groundwater – Metals Cross-Section L-L' and N-N'	Cross-sections illustrate the lateral and vertical distribution of Metals contaminant impacts to groundwater, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-13A: Impacts to Groundwater – ABNs	Groundwater sample locations and concentrations for ABN contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-14A: Impacts to Groundwater – VOCs	Groundwater sample locations and concentrations for VOC contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-14B to Figure 2-14F: Impacts to Groundwater – VOCs Cross-Section B-B', H-H', L-L'. N-N', and O-O'	Cross-sections illustrate the lateral and vertical distribution of VOC contaminant impacts to groundwater, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-15A: Impacts to Groundwater – PHCs	Groundwater sample locations and concentrations for PHCs contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-15B to Figure 2-15I: Impacts to Groundwater – PHCs Cross-Section A-A', B-B', E-E', H-H', L-L'. N-N', O-O', and P-P'	Cross-sections illustrate the lateral and vertical distribution of PHCs contaminant impacts to groundwater, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-16A: Impacts to Groundwater – PAHs	Groundwater sample locations and concentrations for PAH contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-16B to Figure 2-16F: Impacts to Groundwater – PAHs Cross-Section A-A', B-B', H-H', N-N', and Q-Q'	Cross-sections illustrate the lateral and vertical distribution of PAH contaminant impacts to groundwater, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-17A: Impacts to Groundwater – BTEX	Groundwater sample locations and concentrations for BTEX contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-17B to Figure 2-17F: Impacts to Groundwater – BTEX Cross-Section K-K', L-L', N-N', O-O', and P-P'	Cross-sections illustrate the lateral and vertical distribution of BTEX contaminant impacts to groundwater, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-18A: Impacts to Groundwater –ORPs	Groundwater sample locations and concentrations for ORP contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-18B to Figure 2-18C: Impacts to Groundwater – ORPs Cross-Section L-L' and P-P'	Cross-sections illustrate the lateral and vertical distribution of ORP contaminant impacts to groundwater, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.
Figure 2-19A: Impacts to Groundwater – PCBs	Groundwater sample locations and concentrations for PCB contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-19B: Impacts to Groundwater – PCBs Cross-Section K-K'	Cross-sections illustrate the lateral and vertical distribution of PCB contaminant impacts to groundwater, the stratigraphy, the observed water table, and any subsurface structures and/or utilities, if present.

Figure #	Description
Figure 2-20A: Impacts to Groundwater – THMs	Groundwater sample locations and concentrations for THM contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 2-21A: Impacts to Groundwater – CPs	Groundwater sample locations and concentrations for CPs contaminants that exceed the applicable SCS and associated lateral delineation.
Figure 3-01A: Potentially Complete Exposure Routes for Human Receptors Prior to Remediation	Shows the release mechanisms, contaminant transport pathways, and the human receptors located on, in or under the Phase Two Property, receptor exposure points, and routes of exposure, as required under Section 9 of Ontario Regulation 153/04 (as amended).
Figure 3-01B: Potentially Complete Exposure Routes for Ecological Receptors Prior Remediation	Shows the release mechanisms, contaminant transport pathways, and the ecological receptors located on, in or under the Phase Two Property, receptor exposure points, and routes of exposure, as required under Section 9 of Ontario Regulation 153/04 (as amended).
Figure 3-01C: Potentially Complete Exposure Routes for Human Receptors After Remediation	Shows the release mechanisms, contaminant transport pathways, and the human receptors located on, in or under the Phase Two Property, receptor exposure points, and routes of exposure, as required under Section 9 of Ontario Regulation 153/04 (as amended).
Figure 3-01D: Potentially Complete Exposure Routes for Ecological Receptors After Remediation	Shows the release mechanisms, contaminant transport pathways, and the ecological receptors located on, in or under the Phase Two Property, receptor exposure points, and routes of exposure, as required under Section 9 of Ontario Regulation 153/04 (as amended).

7 CONCLUSIONS

Historically the Phase Two Property was used as part of the former Bakelite property for industrial and commercial purposes. From 1947 to 1959, the property was owned and operated by the Bakelite Company of Canada. In 1959, the property and operations were purchased by Union Carbide Canada and then transferred to Bakelite Thermoset Limited in 1976. The property was sold to Mr. Jim Sinclair under the name Thermoset Limited in 2006; Mr. Sinclair intended to redevelop the property. Extensive earthwork and building demolition were conducted between 2006 and 2009. During this period, part of the Phase Two property was used as a waste transfer station for recyclable materials. In 2011, the Phase Two property was purchased by the current owner, 2255718 Ontario Inc.

Based on the findings of the Phase One ESA, a total of 18 PCAs were identified which may pose environmental concerns for the Phase Two Property, and as such 45 corresponding APECs were defined. A Phase Two ESA was recommended to assess any subsurface impacts arising from the identified PCAs and APECs. The scope of the Phase Two ESA included sampling historical wells existing on the property, drilling boreholes for the purpose of collecting soil samples, and installing groundwater monitoring wells to evaluate the significance of the APECs identified in the Phase One ESA. Representative soil and groundwater samples were analyzed for the contaminants of potential concern identified, including PHCs, BTEX, metals, VOCs, PCBs, and PAHs. Representative soil samples were also analyzed for metals, HFMs, PHCs, BTEX, VOCs, PCBs, PAHS, and ORPs for excess soil management purposes.

7.1 HAS THE PHASE TWO ESA DETERMINED THE PRESENCE OF CONTAMINANT IMPACTS ON THE PHASE TWO PROPERTY?

Phase Two ESA has determined that there are multiple contaminant impacts on the Phase Two Property. Both soil and groundwater samples exceeded the applicable Table 7 SCS.

7.2 LIMITING CONDITIONS, QP STATEMENT, AND QP SIGNATURE

This Phase Two ESA report was performed in accordance with the substance and intent of the *Guideline for Professional Engineers Providing Services in Environmental Site Assessment, Remediation and Management* published by Professional Engineers Ontario (PEO), and the requirements for Phase Two Environmental Site Assessments described in O. Reg. 153/04. The conclusions presented in this report represent our professional opinion and are based on the conditions observed on the dates set out in the report, the information available at the time this report was prepared, the scope of work, and any limiting conditions noted herein.

BluMetric Environmental Inc. provides no assurances regarding changes to conditions subsequent to the time of the assessment. BluMetric Environmental Inc. makes no warranty as to the accuracy or completeness of the information provided by others or of the conclusions and recommendations predicated on the accuracy of that information.

This report has been prepared for 2255718 ONTARIO INC Any use a third party makes of this report, any reliance on the report, or decisions based upon the report, are the responsibility of those third parties unless authorization is received from BluMetric Environmental Inc. in writing.

BluMetric Environmental Inc. accepts no responsibility for any loss or damages suffered by any unauthorized third party as a result of decisions made or actions taken based on this report.

This report was written by Emily Leblanc, B.SC, P.Geo and Erica Gray, B.E.S of BluMetric Environmental Inc. QA/QC review of the report has been completed by Alessandro Pellerito, M.Sc., P.Eng., of BluMetric Environmental Inc.

Statement and Signature of the Qualified Person

This Phase Two Environmental Site Assessment includes the evaluation of information gathered during previous assessments, site investigations including the collection of samples and taking measurements, and chemical analysis of selected samples. It has been conducted in accordance with O. Reg. 153/04 by or under the supervision of a qualified person.

Respectfully submitted,
BluMetric Environmental Inc.

DRAFT
Emily Leblanc, B.SC, P.Geo.
Geoscientist

DRAFT
Erica Gray, B.E.S.
Senior Environmental Scientist, Risk Assessor

DRAFT
Alessandro Pellerito, PhD., C.Chem., P. Eng. QP_{ESA}
Senior Environmental Engineer

8 REFERENCES

BluMetric Environmental Inc., 2022, Summary of finding from the July 2022 groundwater sampling and well inspection event.

BluMetric Environmental Inc., 2023, *Phase One Environmental Site Assessment Update*, 621 Dundas Street East, Belleville, Ontario. August 2023.

Ontario Ministry of Environment, 2004, *Technical Guidance Manual for Phase II Environmental Site Assessments in Ontario* (MOE).

Ontario Ministry of the Environment (MOE), 2011. *Soil, Ground Water and Sediment Standards for Use Under Part XV.I of the Environmental Protection Act.* PIBS 7382e01. April.

Ontario *Geological Survey 2010. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 128 – Revised.*

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release–Data 126 - Revision 1.

Queen's Printer, 2011*. Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act.*

Michalski Nielsen Associates Ltd (Michalski Nielsen). 2012. Memorandum from Gord Nielsen to Ian Brady Regarding the Former Bakelite Site. 21 September 2012.

WESA. 2012. Phase I Environmental Site Assessment, Former Bakelite property at 621 Dundas Street East, Belleville, Ontario. January 2012.

WESA. 2012. Phase II Environmental Site Assessment, Former Bakelite property at 621 Dundas Street East, Belleville, Ontario. January 2012.

FIGURES

LEGEND

- Phase One Property Boundary
- Former Site Feature
- Property Boundary Study Area (250m)
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 100 200 Metres

1:5,000

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Phase One Property and Study Area

BluMetric™ Environmental

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	*DATE*		
220509	**August 02, 2023**		
DRAWN	*CHECKED*	*FIG NO.*	*REV*
PB	**SA**	**1-1**	**1**

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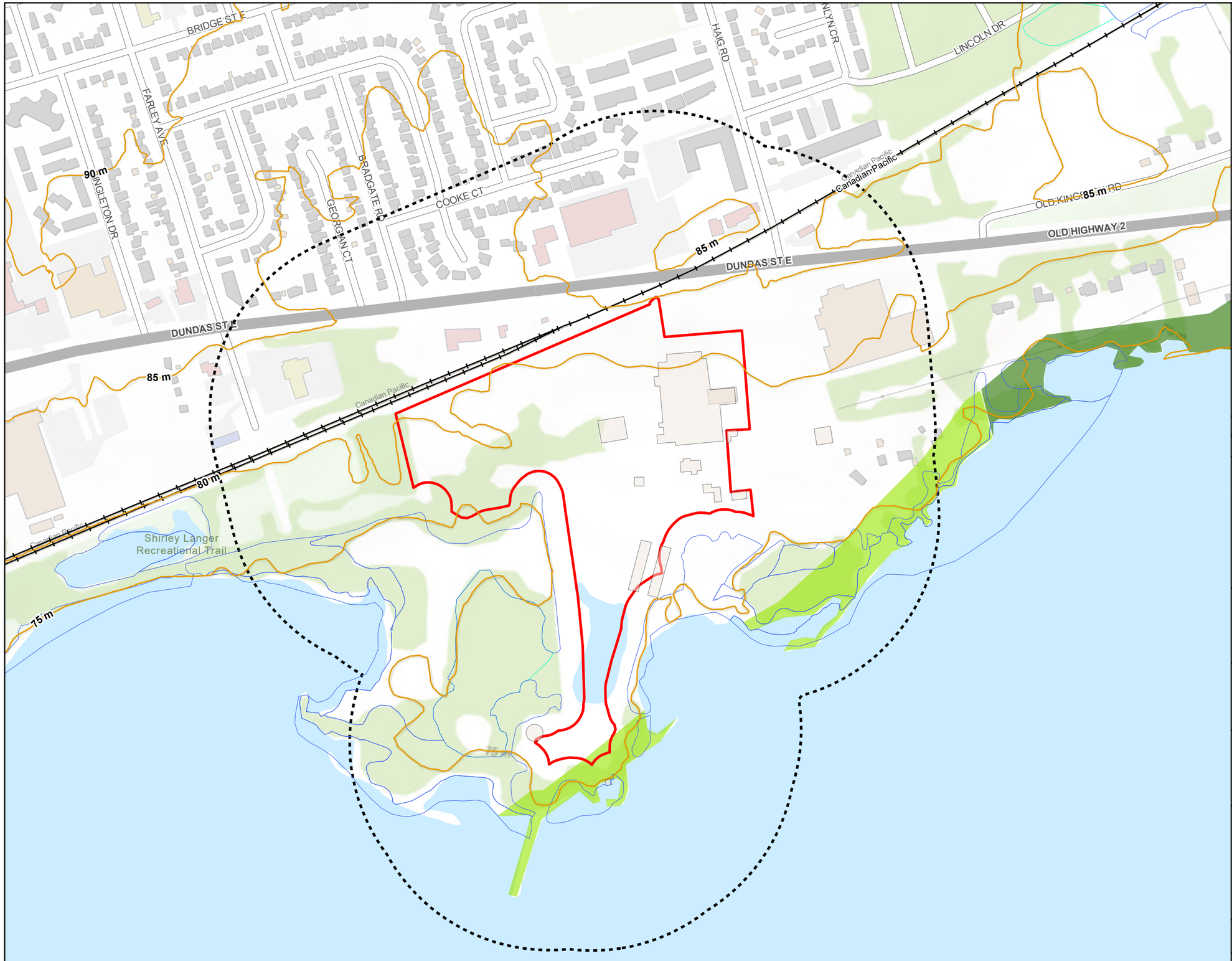

LEGEND

- Phase One Property Boundary
- Former Site Feature
- Property Boundary Study Area (250m)
- Active Railway

Related Zoning (City of Belleville)

- Environmental Control Zone (By-Law 10245)
- Holding Zone (By-Law 3014)

Wetland Significance

- Evaluated-Provincial
- Not evaluated per OWES
- Elevation Contour (5m, LIO 2019)

NOTES:
- There are no Areas of Natural Significance within the Study Area
The following resources were consulted:
- Ontario Ministry of Natural Resources and Forestry, Make-a-Map: Natural Heritage Areas (Queen's Printer for Ontario, 2014)
- Provincial Parks and Conservation Reserves Act 2006
- Environmentally Significant Area designated in Upper and/or Lower Tier Municipality Official Plans (http://gis.city.belleville.on.ca/)
- Areas designated as Life Science, Earth Science, Wetland
- Natural or Protection Area identified in Niagara Escarpment Plan (Niagara Escarpment Planning and Development Act)
- Oak Ridges Moraine Conservation Plan (Oak Ridges Moraine Conservation Act, 2001)
- Wilderness Area (Wilderness Areas Act)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
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REFERENCES

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PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Topographic Map, Areas of Natural, Scientific Interest, & Water Bodies

BluMetric™ Environmental
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

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DRAWN	CHECKED	FIG NO.	REV
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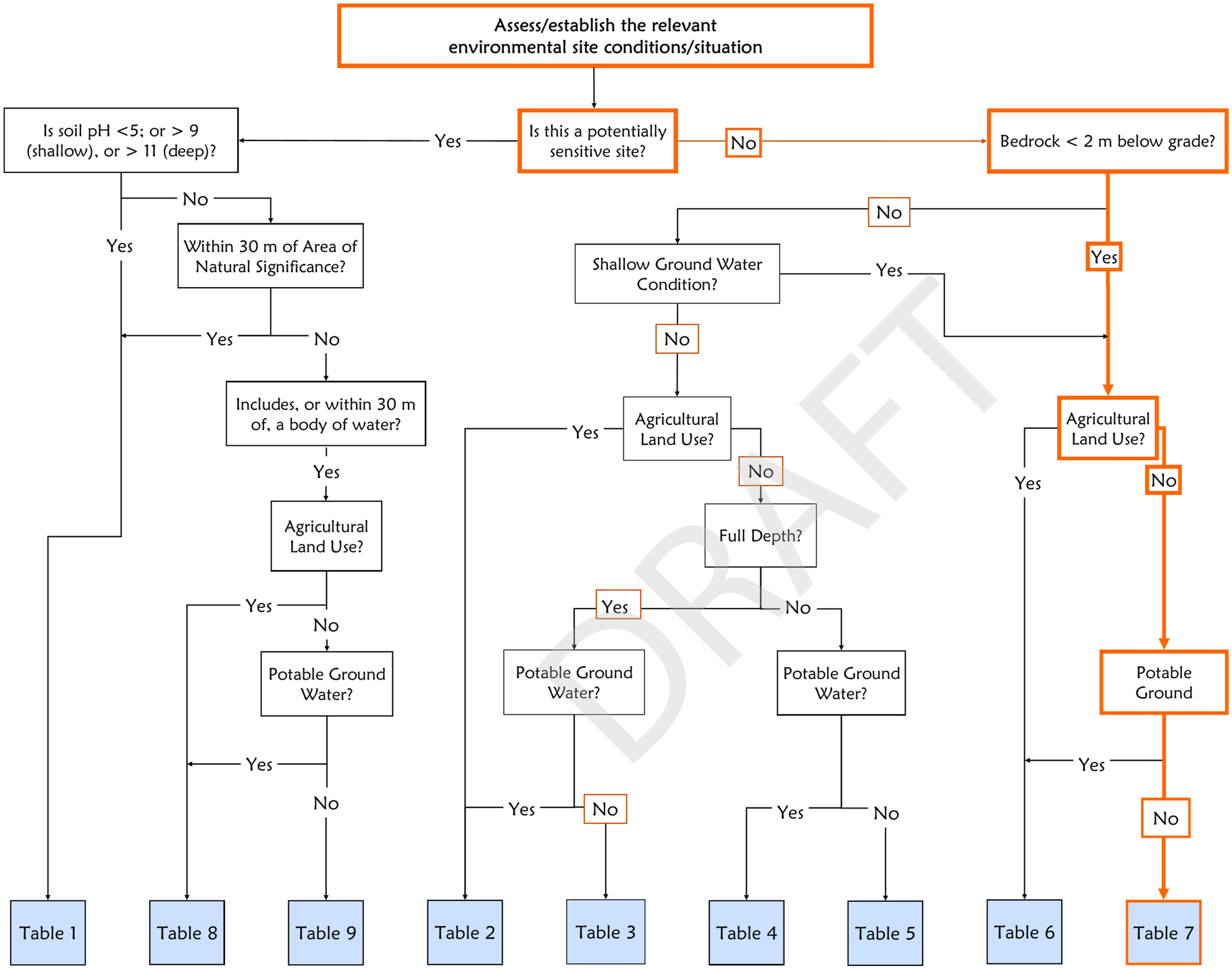

LEGEND

SCS Decision Path

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REFERENCES

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PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Applicable Site Condition Standard

BluMetric Environmental
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
PB	SA	1-3	1

LEGEND

- Phase One Property Boundary
- Former Site Feature
- Property Boundary Study Area (250m)
- Active Railway
- Former Railway

Wells (WWIS - Status)

- Unknown Use
- Water Supply
- Test Hole
- Observation Wells
- Abandoned

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
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REFERENCES

N W E S

0 100 200 Metres

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PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

MECP Well Records

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
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LEGEND

- Historic Sampling Station
- Incinerator
- Historical Impact Sample Location (Phenolics)
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Phase One Property Boundary
- Former Site Feature
- Property Boundary Study Area (250m)
- Former Waste Storage/Disposal Area
- Former Tank
- Former Smoke Stack
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
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REFERENCES

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PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Phase One Site Plan

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
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LEGEND

- Phase One Property Boundary
- Active Railway
- Former Railway
- Former Site Feature
- Former Tank
- Former Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Historic Sampling Station
- Incinerator

Area of Potential Environmental Concern (APEC)

1	9	17	25
2	10	18	26
3	11	19	27
4	12	20	28
5	13	21	29
6	14	22	
7	15	23	
8	16	24	

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REFERENCES

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PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Conceptual Site Model
RSC Property

BluMetric™ Environmental

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
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Potentially Contaminating Activity (PCA)

- 1 - Acid and Alkali Manufacturing, Processing and Bulk Storage
- 2 - Adhesives and Resins Manufacturing, Processing and Bulk Storage
- 8 - Chemical Manufacturing, Processing and Bulk Storage
- 28 - Gasoline and Associated Products Storage in Fixed Tanks
- 30 - Importation of Fill Material of Unknown Quality
- 46 - Rail Yards, Tracks and Spurs
- 51 - Solvent Manufacturing, Processing and Bulk Storage
- 52 - Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems
- 58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
- Other - Surface water collection ditch
- Other - Storage of PCB Waste
- Other - Application of De-Icing Agent for purpose

LEGEND

- Former Site Feature
- Phase One Property Boundary
- Property Boundary Study Area (250m)
- Former Waste Storage/Disposal Area
- Former Tank
- Former Smoke Stack
- Ditch and Vault (Approximate Locations)
- S — S Storm Sewer
- Active Railway
- Former Railway
- Inferred Groundwater Flow Direction
- Incinerator
- Historic Sampling Station

Land Use

- C Commercial
- R Residential

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REFERENCES

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PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Conceptual Site Model
RSC Property

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	**August 02, 2023**

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LEGEND

Site Investigation Sample

- Borehole Location
- Groundwater Sampling
- Test Pit Location
- Phase One Property Boundary
- Active Railway
- Former Railway
- Former Site Feature
- Former Tank
- Former Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Historic Sampling Station
- Incinerator
- Cross Section Alignment

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PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Sampling Locations, Profile Locations with APECs

BluMetric™ Environmental

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	*DATE*		
220509	**August 02, 2023**		
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LEGEND

- Monitoring well (Water Level 2023)
- Active Railway
- Former Railway
- Phase One Property Boundary
- Former Site Feature
- Former Tank
- Former Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Historic Sampling Station
- Incinerator
- Groundwater Contour 2023 (1m)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
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PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Groundwater Flow

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
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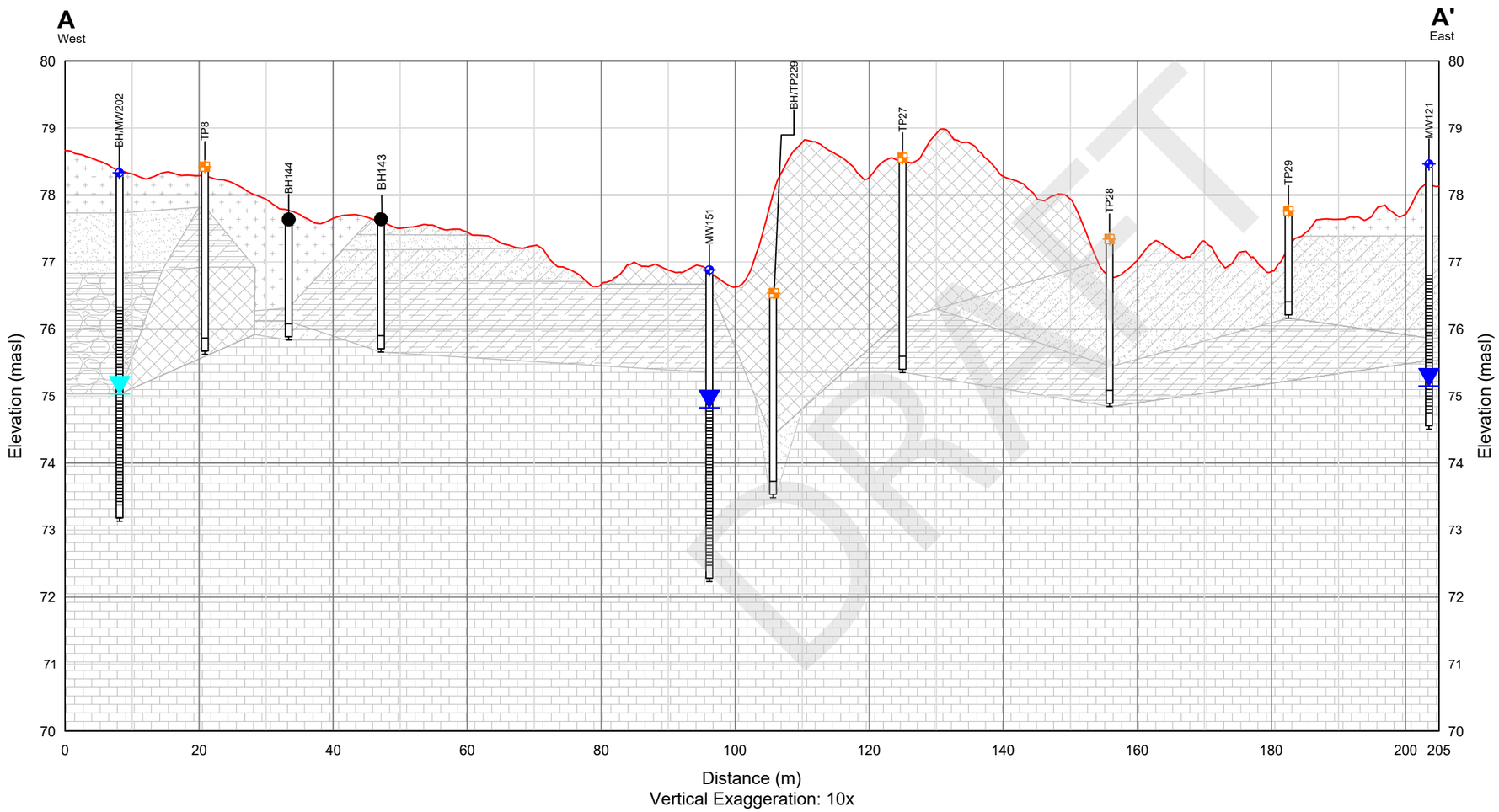

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section A-A'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	1-10a	0

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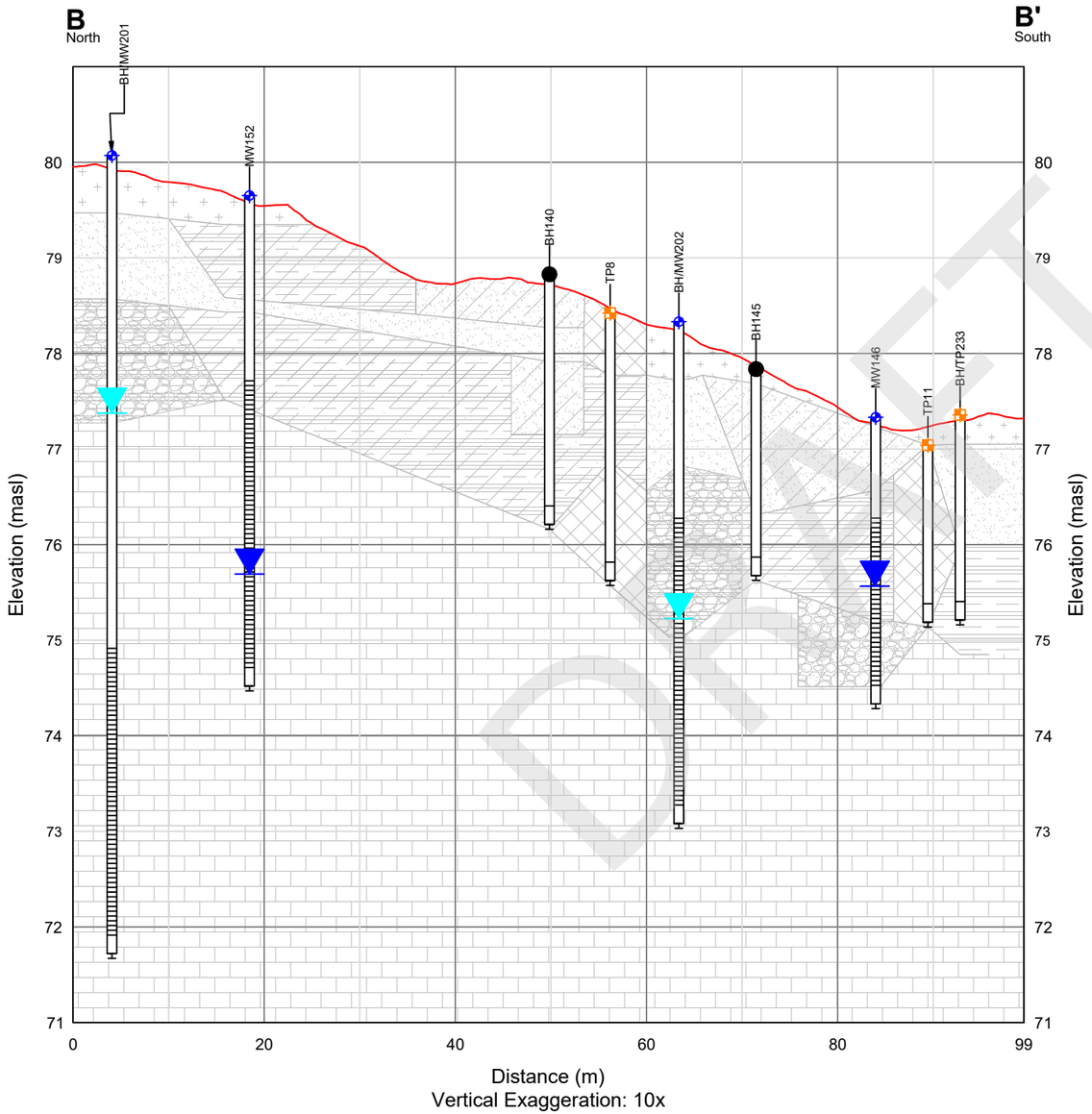

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Groundwater Elevation (December, 2022)
- Groundwater Elevation (July, 2011)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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0 12 24 Metres
1:600

N W E S

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section B-B'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	1-10b	0

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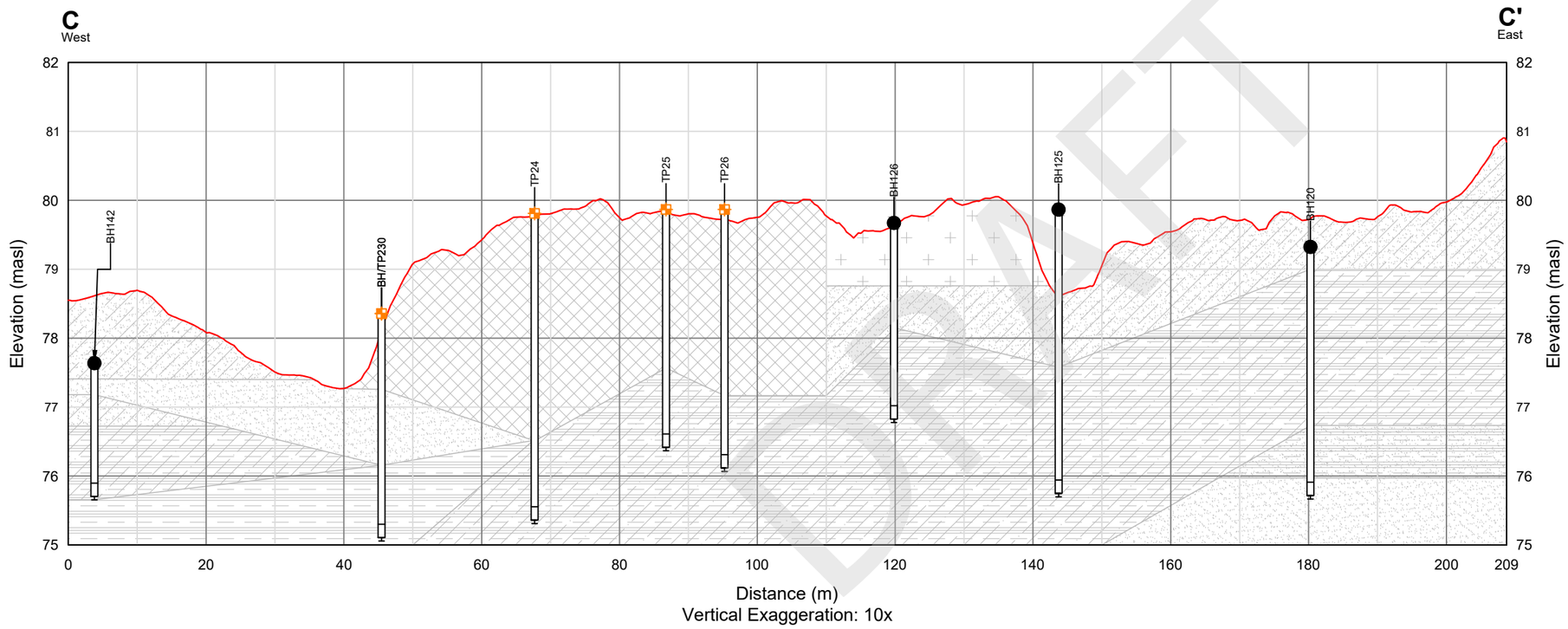

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 15 30 Metres
1:750

CLIENT

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section C-C'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	1-10c	0

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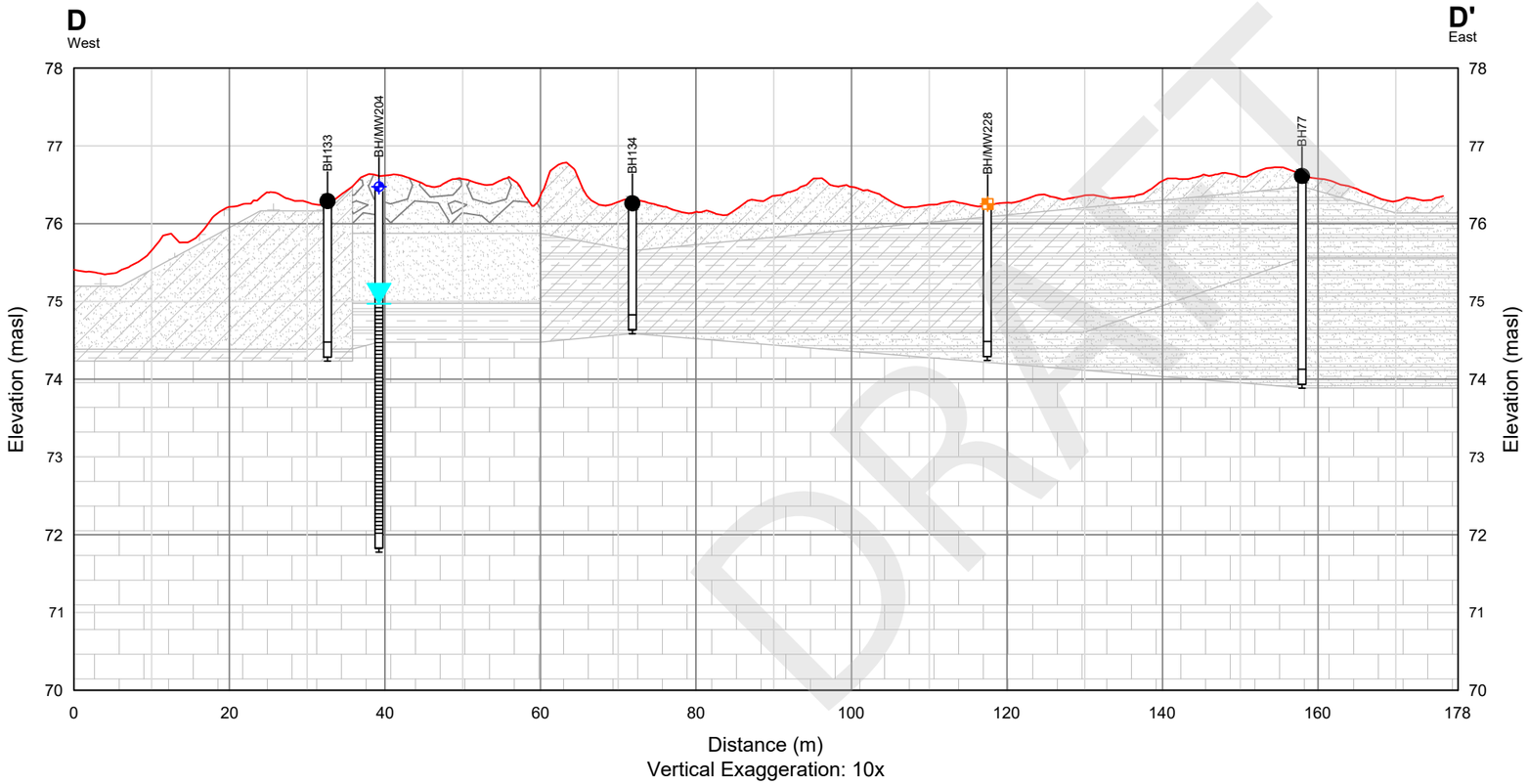

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Sandy Clay
- Sandy Gravel
- Clayey Silt
- Bedrock
- Groundwater Elevation (December, 2022)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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0 15 30 Metres
1:750

N W E S

CLIENT

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section D-D'

BluMetric™ Environmental
1682 Woodward Drive
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TEL: (613) 839-3053
FAX: (613) 839-5376
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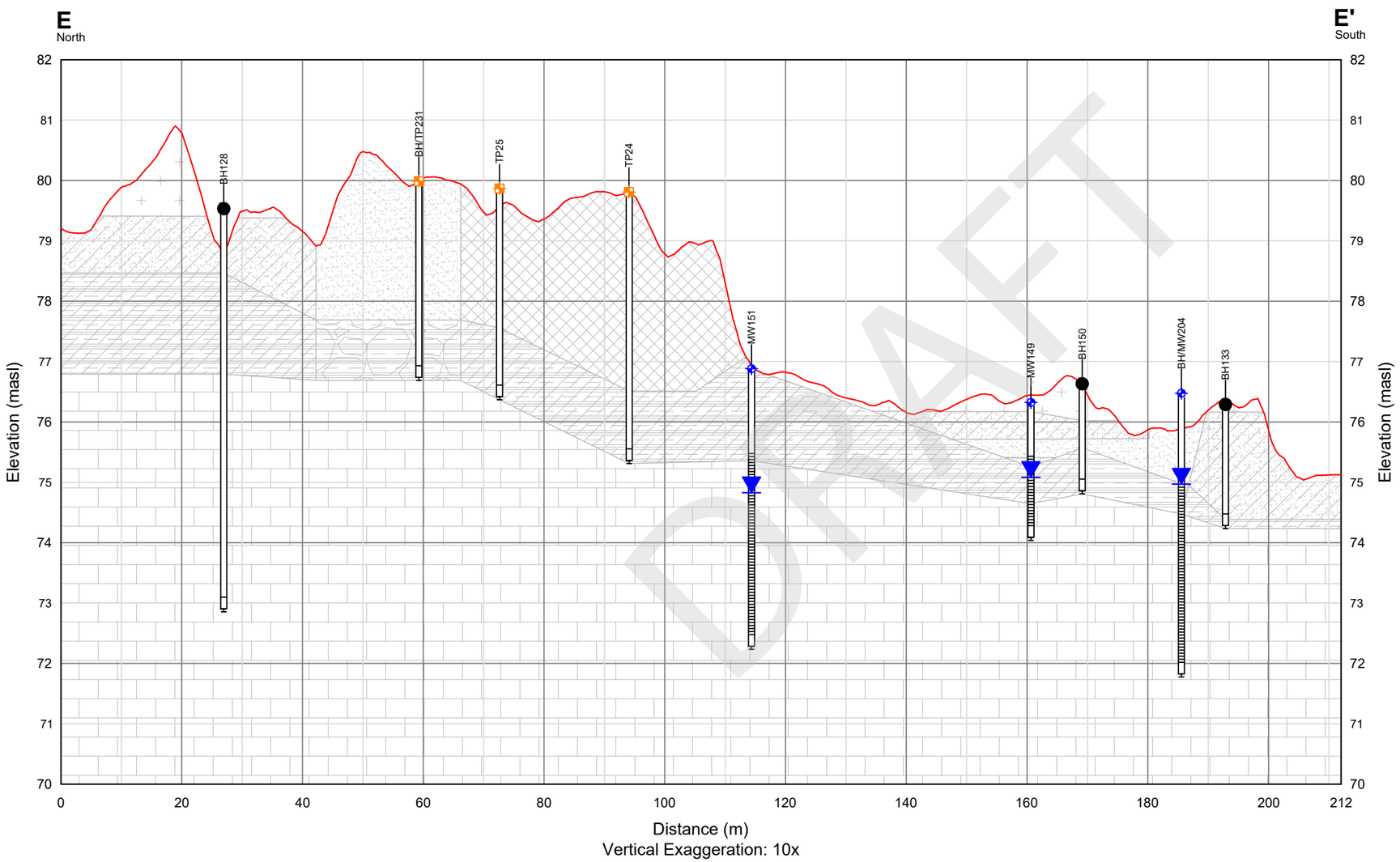
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	1-10d	0



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Sandy Silty Clay
- Fill
- Clayey Gravel
- Groundwater Elevation (December, 2011)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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0 16 32 Metres
1:800

N W E S

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section E-E'

BluMetric™ Environmental
1682 Woodward Drive
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TEL: (613) 839-3053
FAX: (613) 839-5376
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PROJECT #	DATE
220509	August 4, 2023

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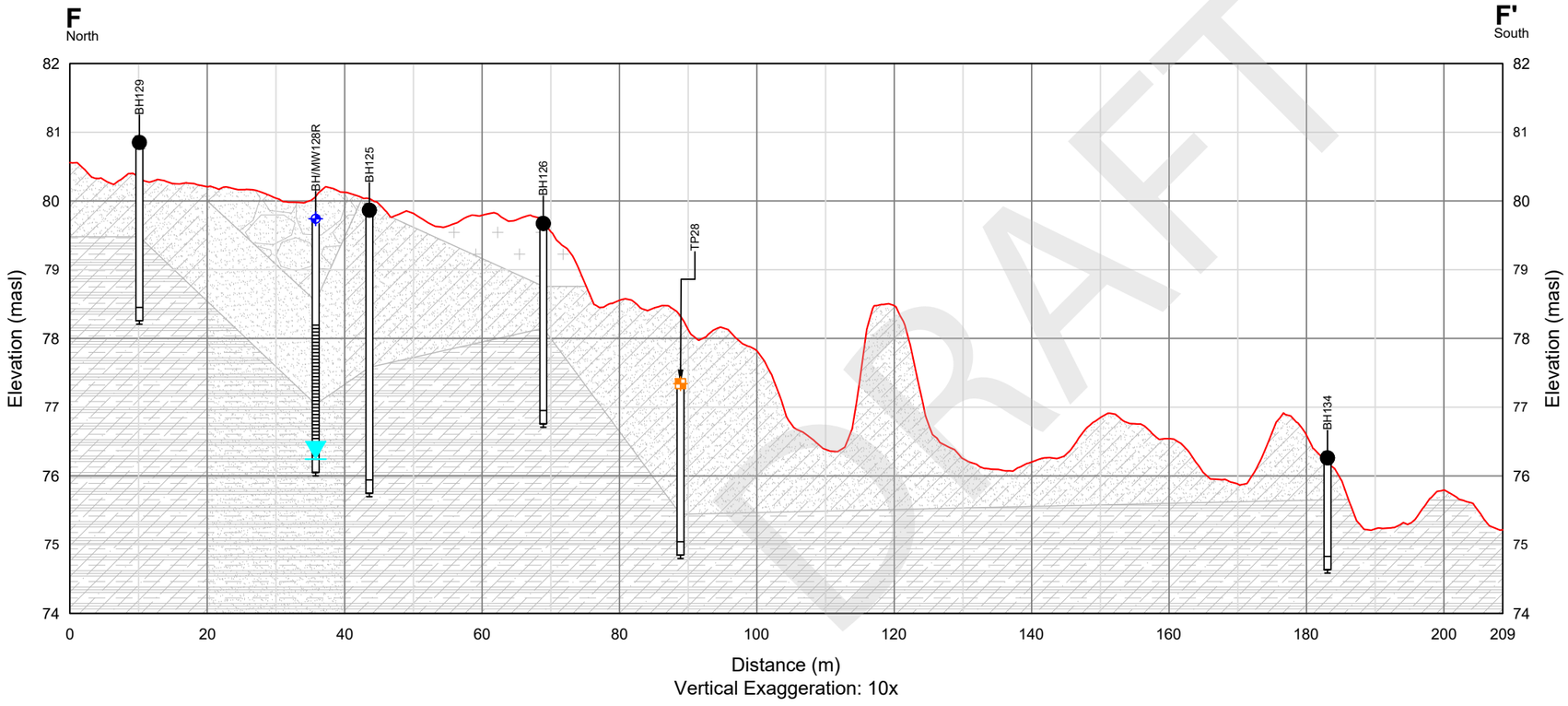

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Sandy Gravel
- Groundwater Elevation (July, 2022)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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N W E S

0 16 32 Metres
1:800

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section F-F'

BluMetric™ Environmental
1682 Woodward Drive
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TEL: (613) 839-3053
FAX: (613) 839-5376
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PROJECT #	DATE
220509	August 4, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	1-10f	0

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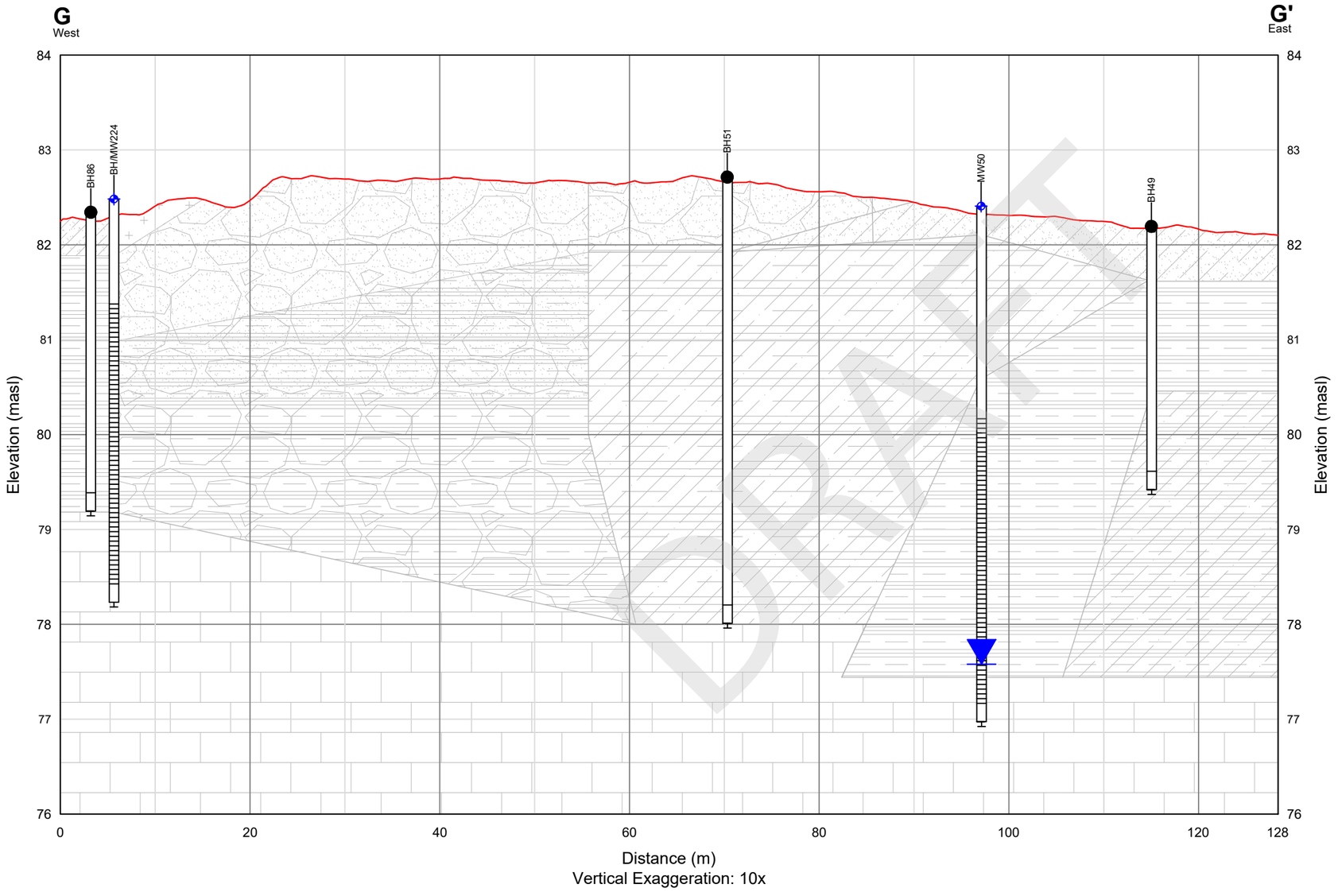

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Sandy Gravel
- Bedrock
- Topsoil
- Groundwater Elevation (July, 2011)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

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0 10 20 Metres
1:500

N W E S

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section G-G'

BluMetric™ Environmental
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FAX: (613) 839-5376
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Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

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MB	SA	1-10g	0

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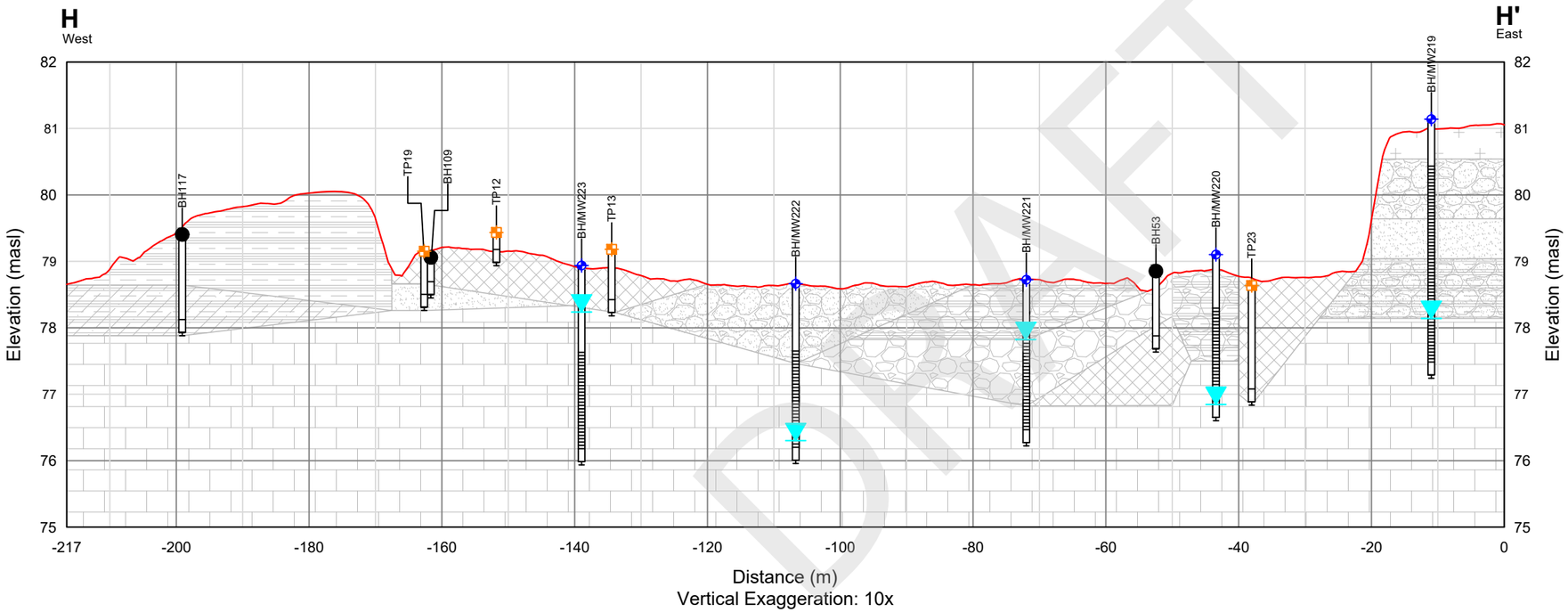

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Fill
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Sandy Gravel
- Sandy Clayey Gravel
- Groundwater Elevation (December, 2022)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

N W E S

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section H-H'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

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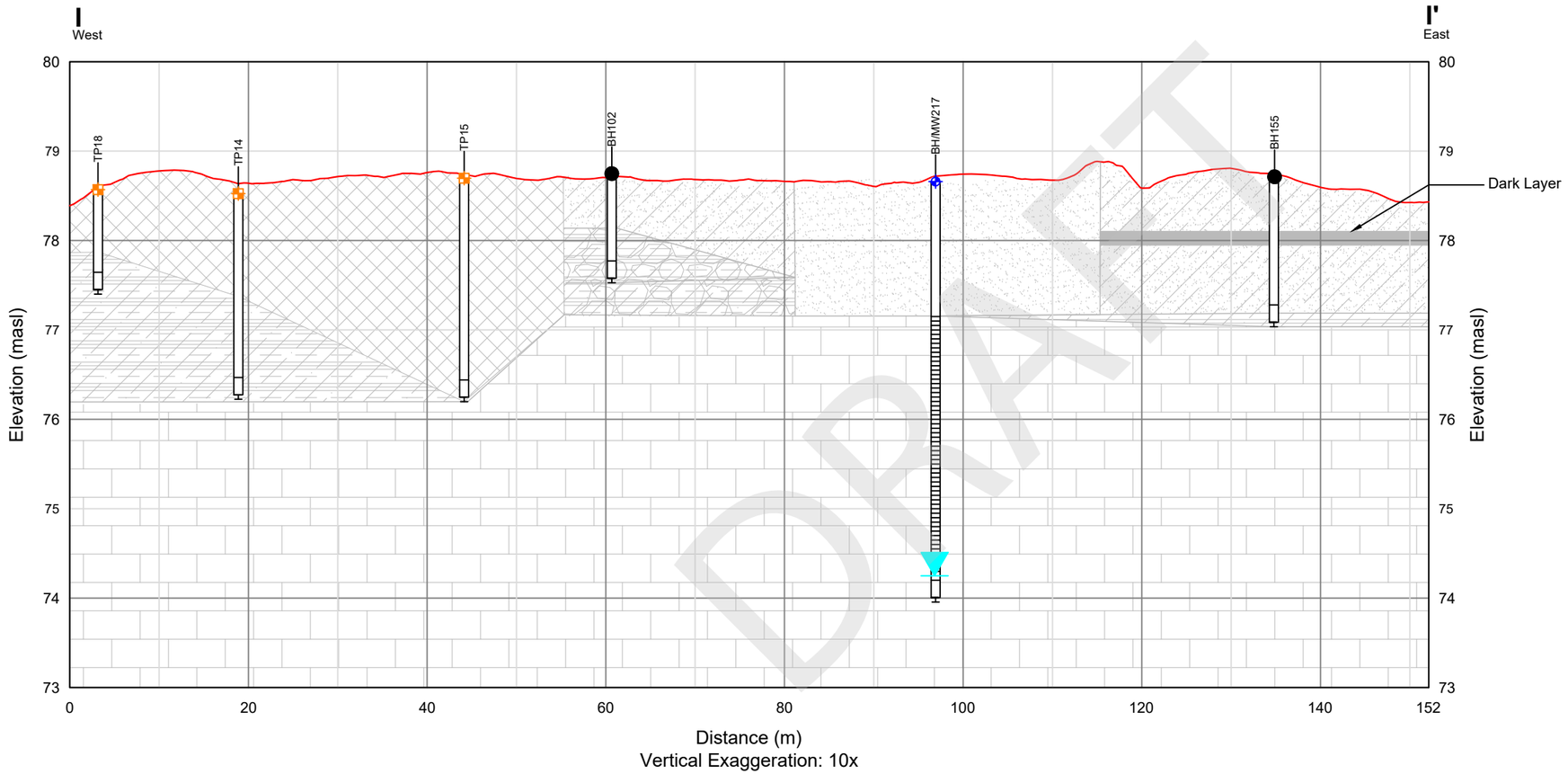
MB	SA	1-10h	0



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Filll
- Groundwater Elevation (December, 2022)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 12 24 Metres
1:600

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section I-I'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	1-10i	0

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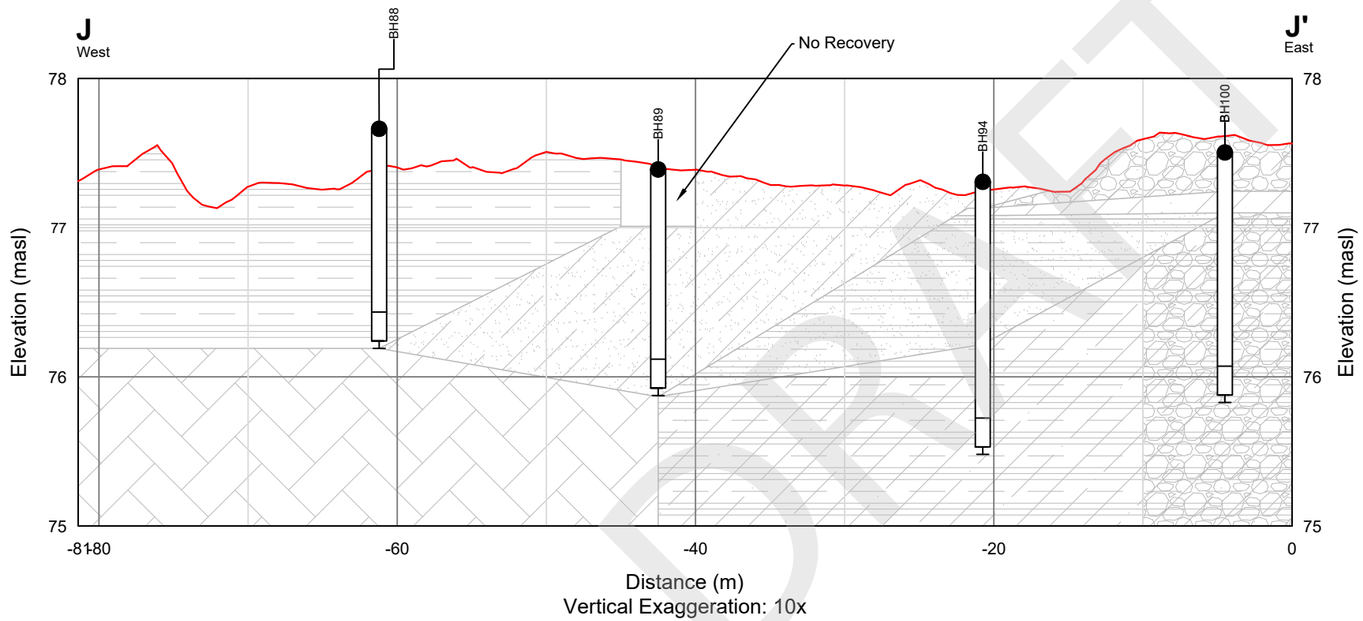

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Shale
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Silty Gravel
- Silty Clayey Gravel

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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0 8 16 Metres
1:400

N W E S

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section J-J'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

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MB	SA	1-10j	0

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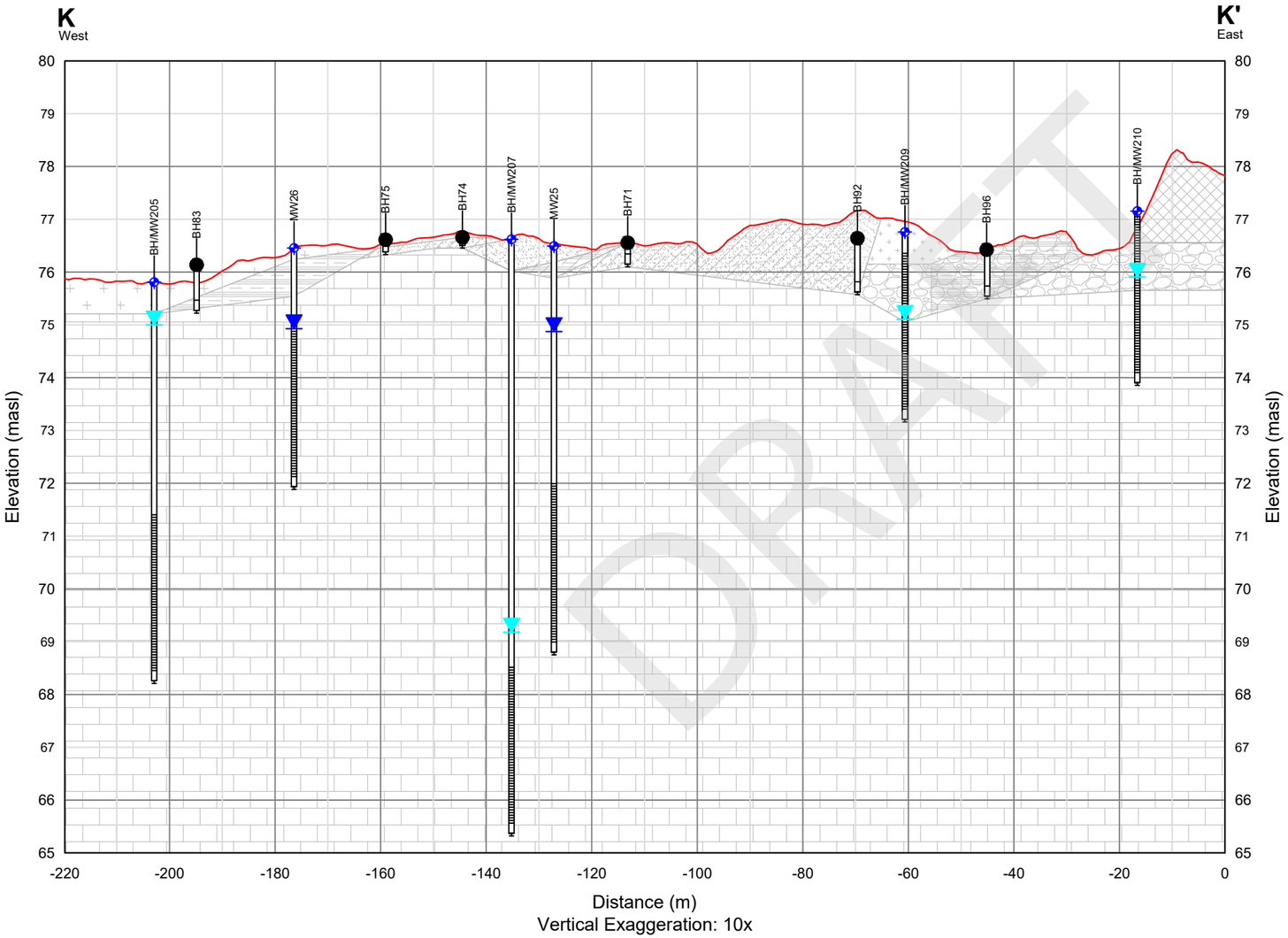

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 20 40 Metres
1:1000

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section K-K'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
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MB	SA	1-10k	0

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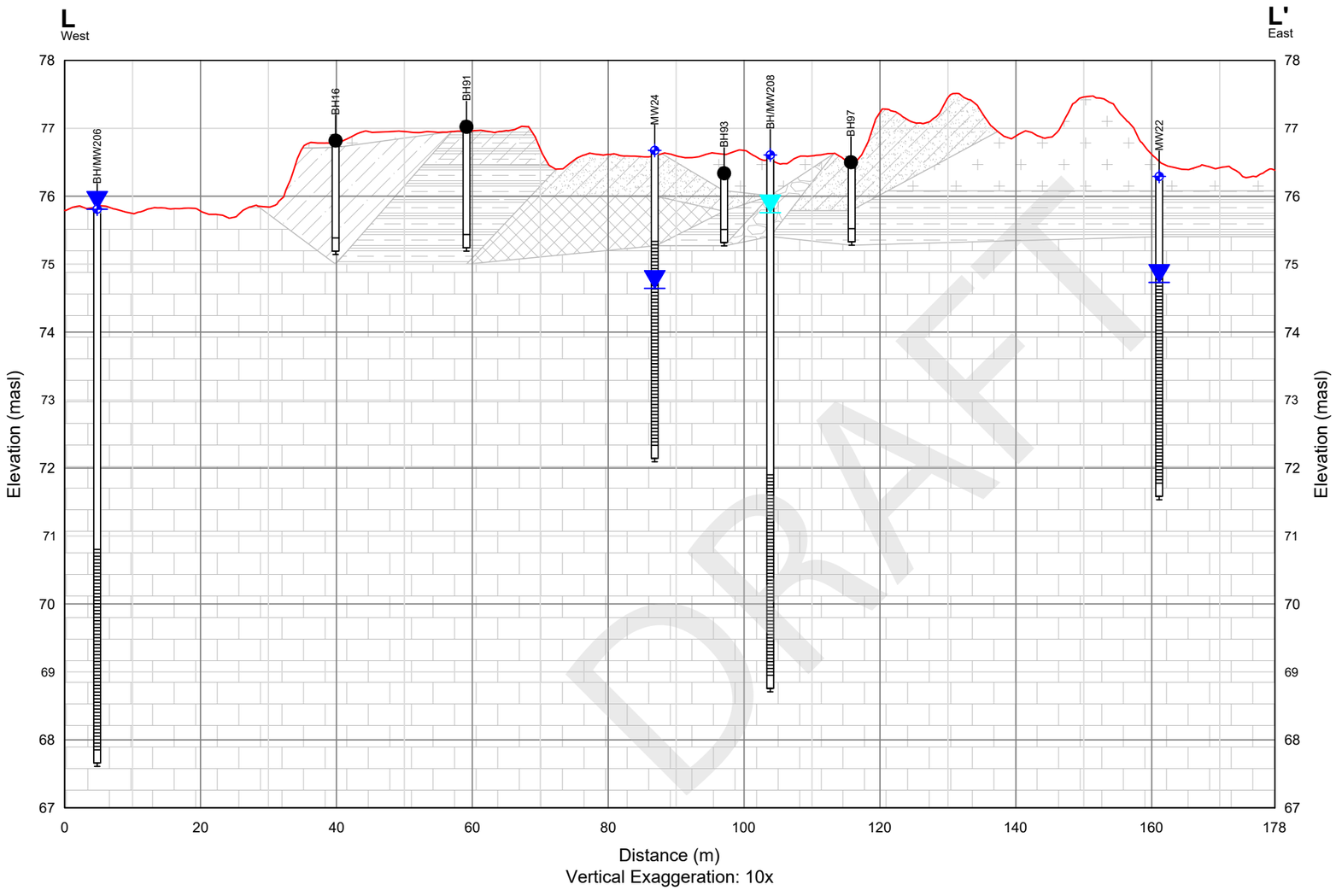

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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N W E S

0 15 30 Metres
1:750

CLIENT

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section L-L'

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1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
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Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	1-10l	0

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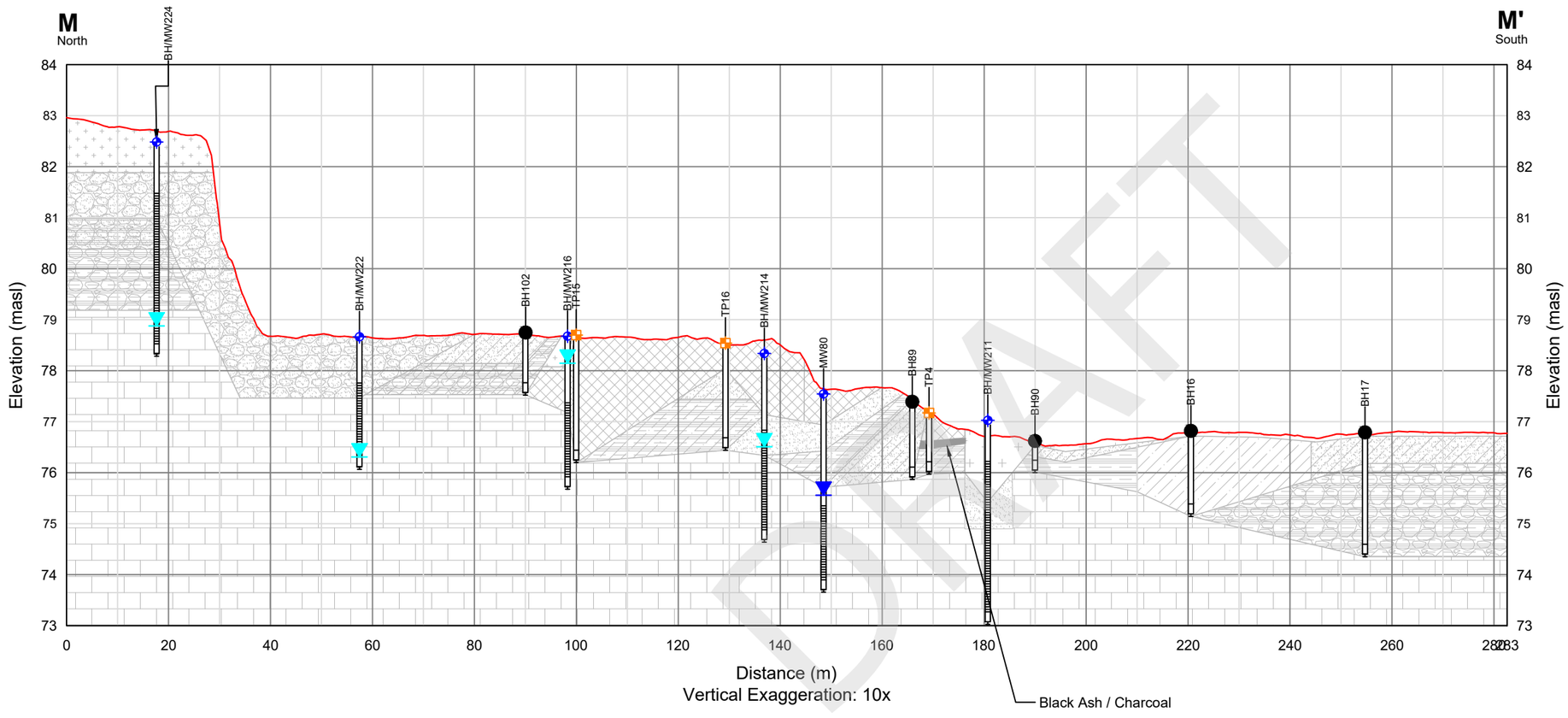

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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0 20 40 Metres
1:1000

N W E S

CLIENT

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section M-M'

BluMetric™ Environmental
1682 Woodward Drive
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FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	1-10m	0

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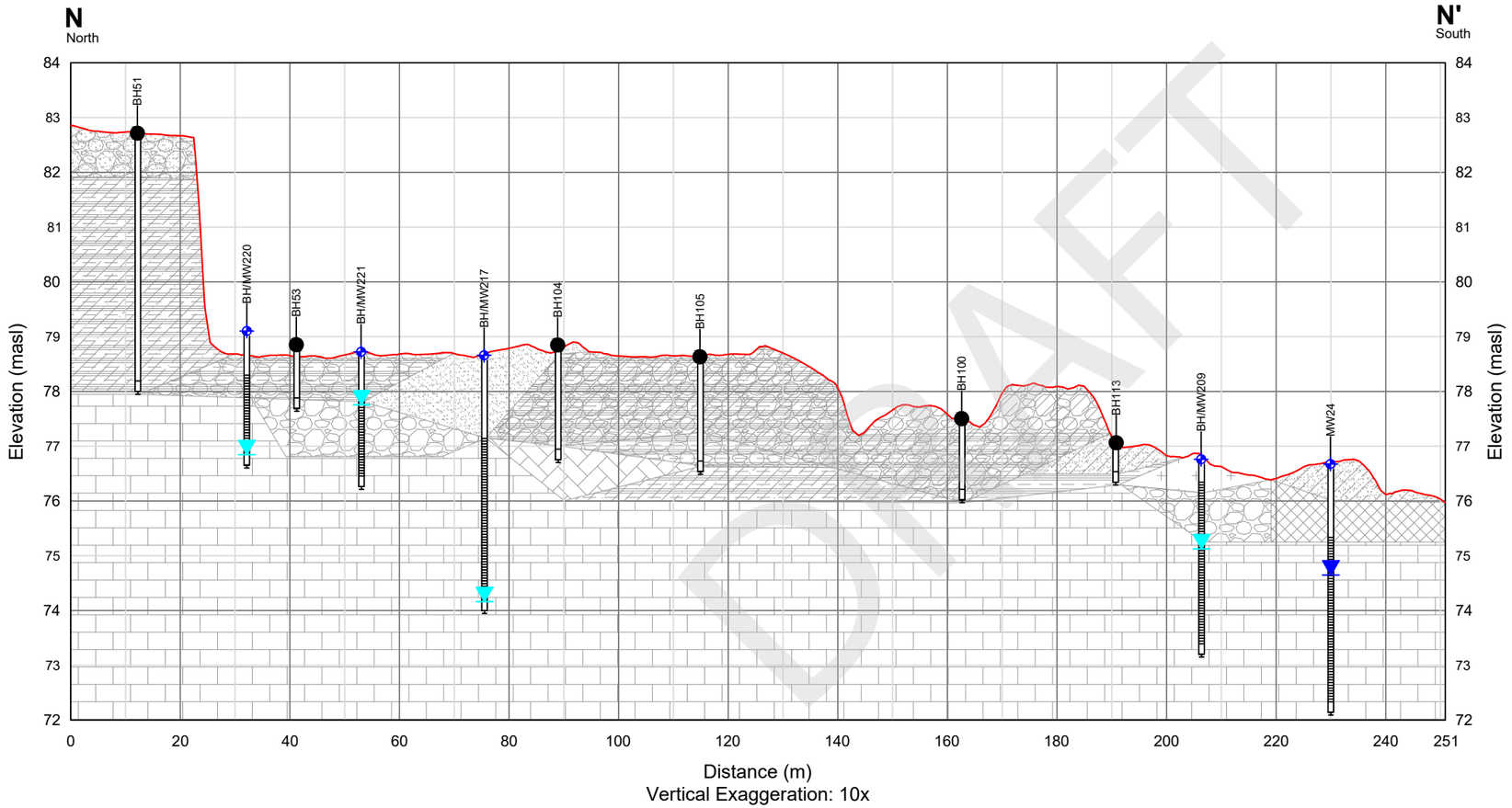

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Silty Clayey Gravel
- Shale
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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N W E S

CLIENT

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section N-N'

BluMetric Environmental
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Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	1-10n	0

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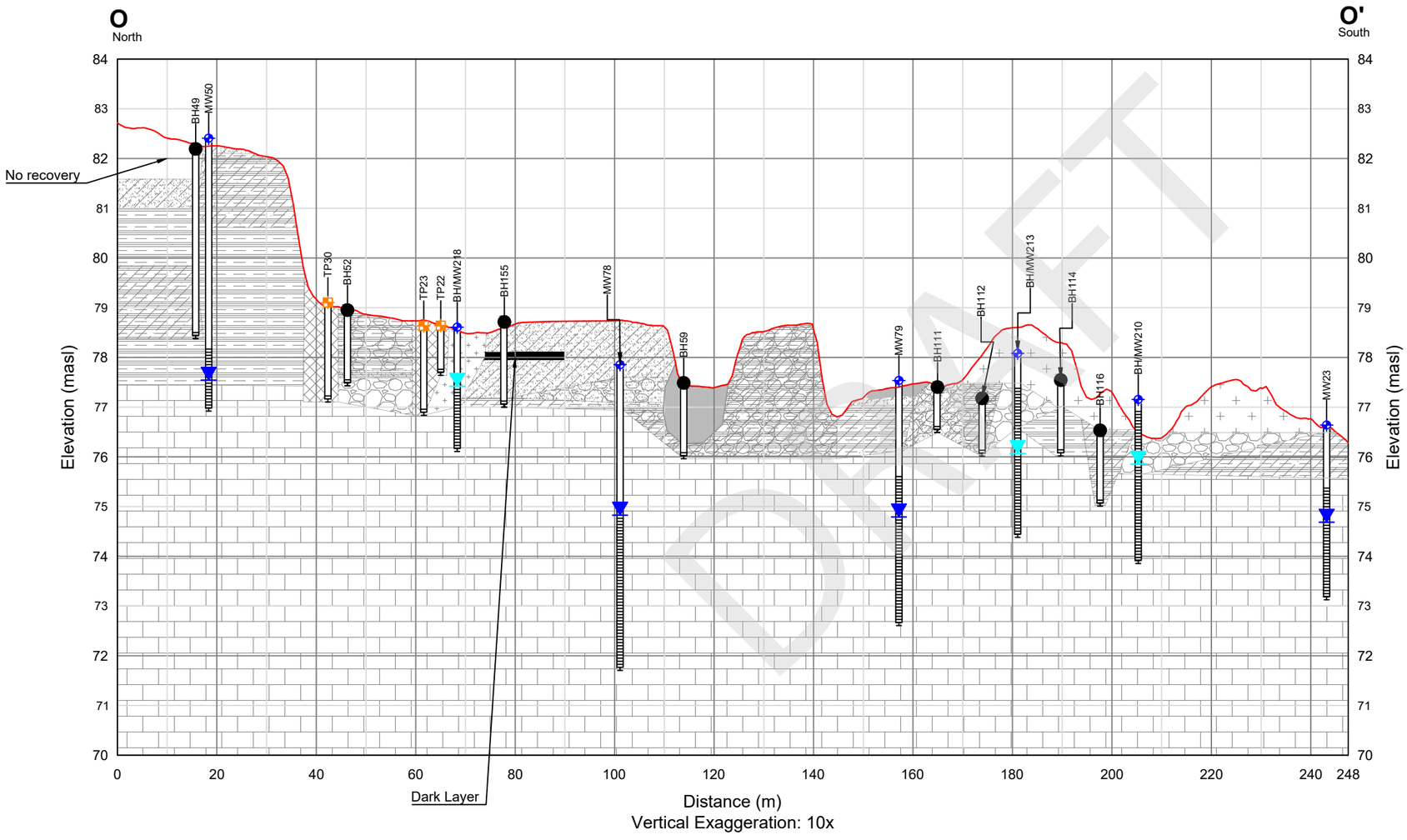

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Asphalt
- Topsoil
- Fill
- Gravel
- Clay
- Silt
- Sand
- Sandy Gravel
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Sandy Silty Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section O-O'

BluMetric™ Environmental
1682 Woodward Drive
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MB	SA	1-10o	0

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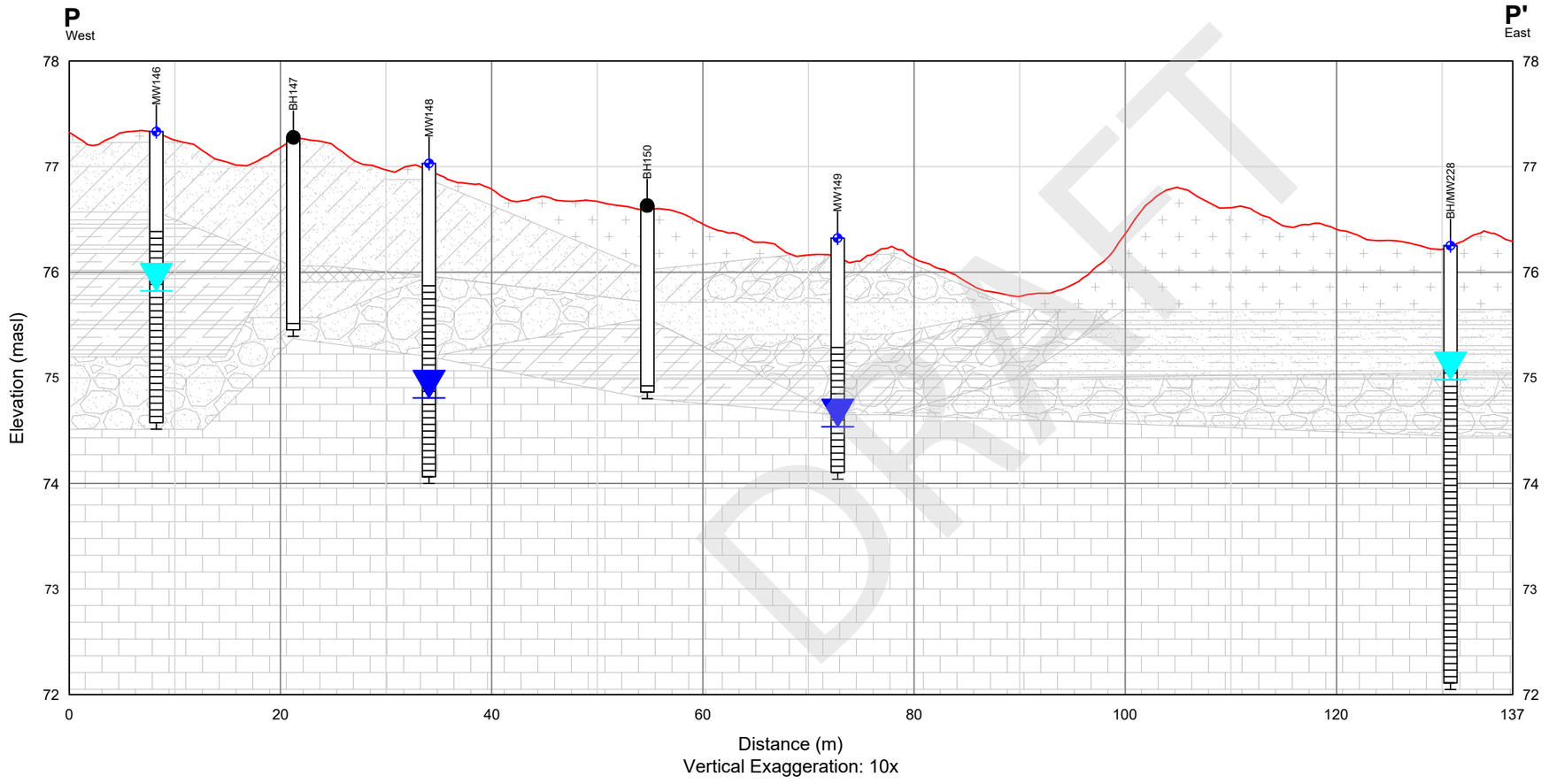

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Fill (Cobble)
- Sandy Gravel
- Silty Gravel
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 10 20 Metres
1:500

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section P-P'

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FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	1-10p	0

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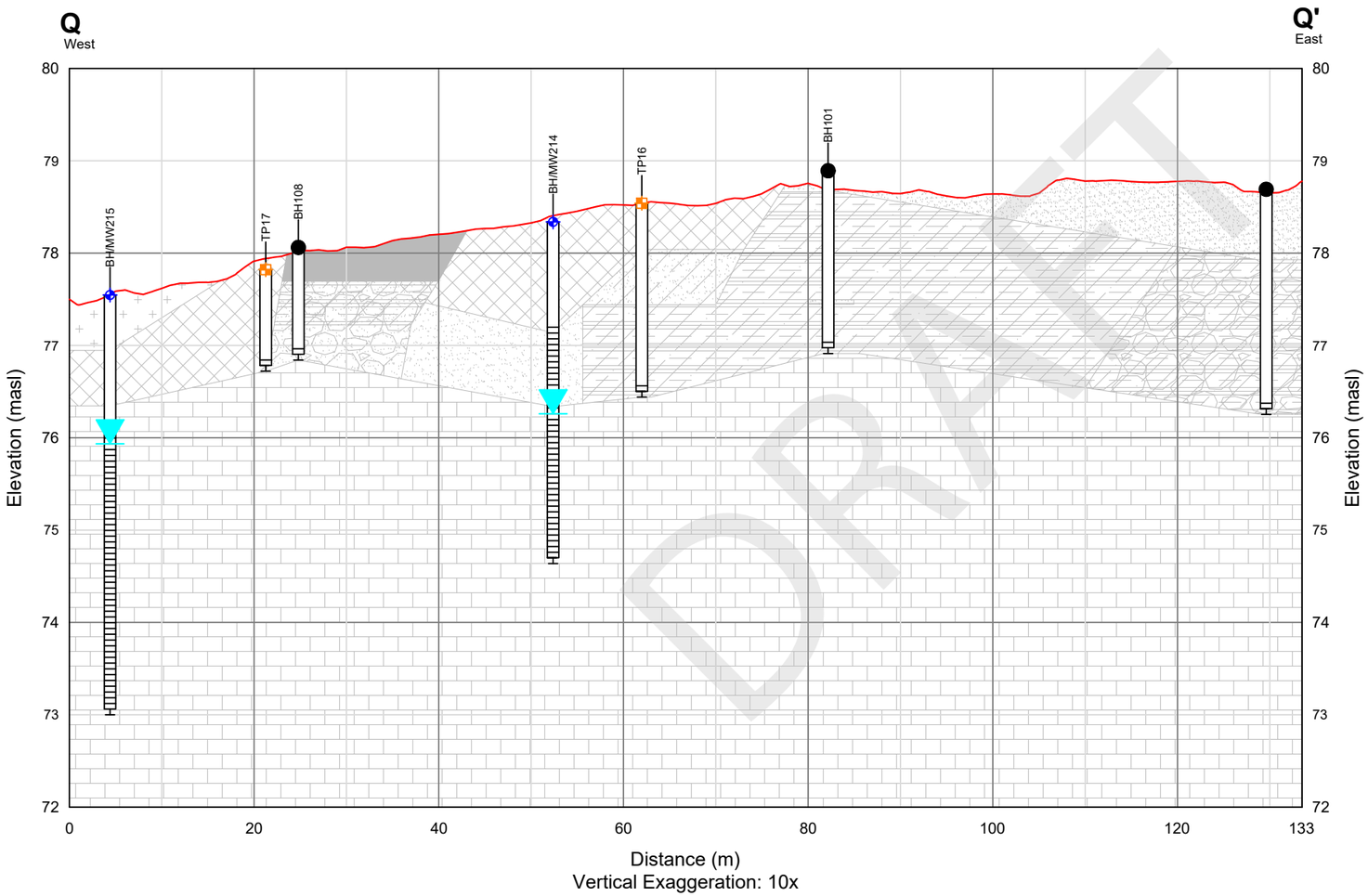

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Fill
- Sandy Gravel
- Silty Gravel
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Concrete
- Groundwater Elevation (December, 2022)

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 12 24 Metres
1:600

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

General Stratigraphy - Cross-Section Q-Q'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 4, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	1-10q	0

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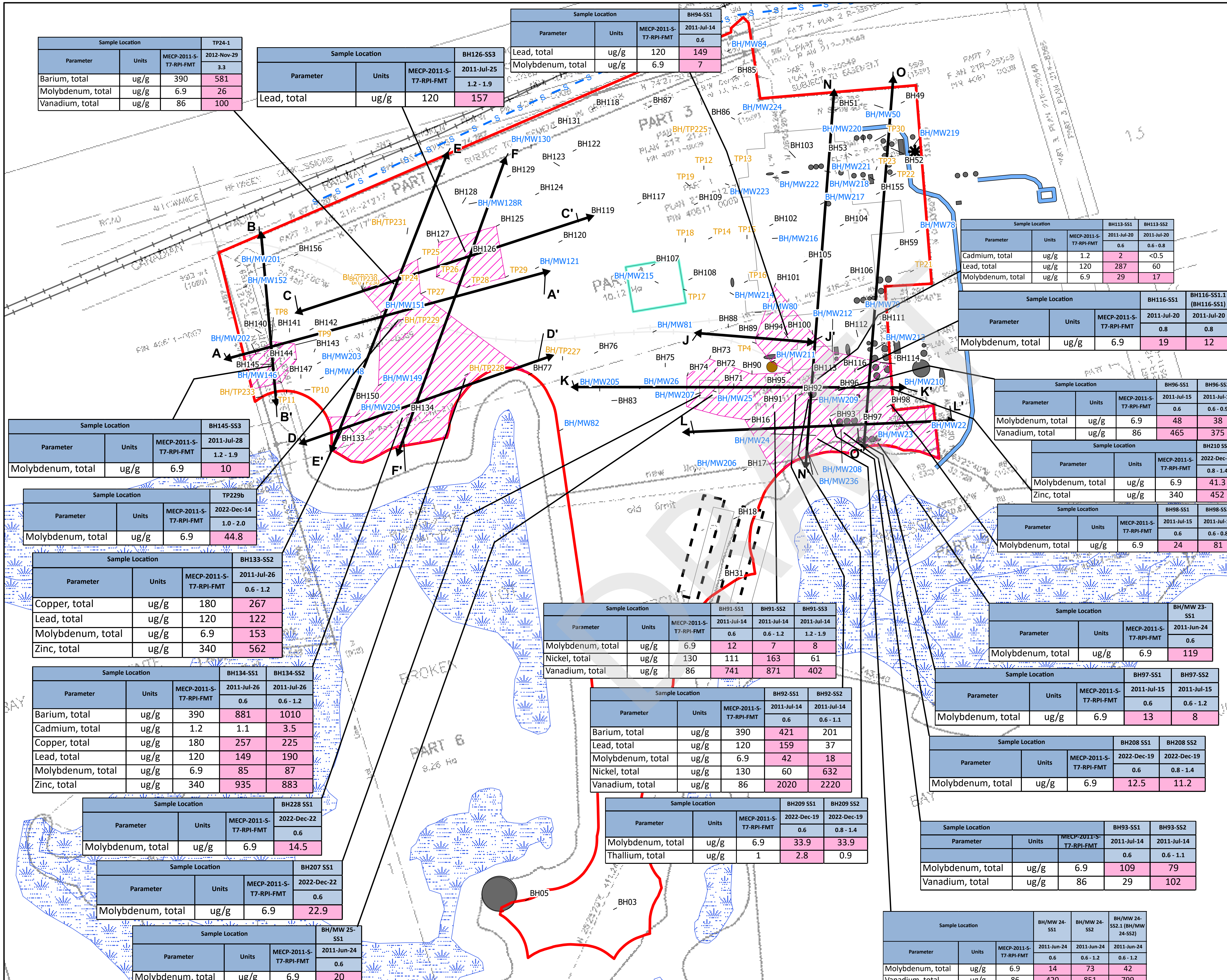

Sample Location			TP24-1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-29
			3.3
Barium, total	ug/g	390	581
Molybdenum, total	ug/g	6.9	26
Vanadium, total	ug/g	86	100

Sample Location			BH126-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-25
			1.2 - 1.9
Lead, total	ug/g	120	157

Sample Location			BH94-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14
			0.6
Lead, total	ug/g	120	149
Molybdenum, total	ug/g	6.9	7

Sample Location			BH113-SS1	BH113-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-20	2011-Jul-20
			0.6	0.6 - 0.8
Cadmium, total	ug/g	1.2	2	<0.5
Lead, total	ug/g	120	287	60
Molybdenum, total	ug/g	6.9	29	17

Sample Location			BH116-SS1	BH116-SS1.1 (BH116-SS1)
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-20	2011-Jul-20
			0.8	0.8
Molybdenum, total	ug/g	6.9	19	12

Sample Location			BH96-SS1	BH96-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-15	2011-Jul-15
			0.6	0.6 - 0.9
Molybdenum, total	ug/g	6.9	48	38
Vanadium, total	ug/g	86	465	375

Sample Location			BH210 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19
			0.8 - 1.4
Molybdenum, total	ug/g	6.9	41.3
Zinc, total	ug/g	340	452

Sample Location			BH98-SS1	BH98-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-15	2011-Jul-15
			0.6	0.6 - 0.8
Molybdenum, total	ug/g	6.9	24	81

Sample Location			BH145-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-28
			1.2 - 1.9
Molybdenum, total	ug/g	6.9	10

Sample Location			TP229b
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-14
			1.0 - 2.0
Molybdenum, total	ug/g	6.9	44.8

Sample Location			BH133-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26
			0.6 - 1.2
Copper, total	ug/g	180	267
Lead, total	ug/g	120	122
Molybdenum, total	ug/g	6.9	153
Zinc, total	ug/g	340	562

Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6	0.6 - 1.2
Barium, total	ug/g	390	881	1010
Cadmium, total	ug/g	1.2	1.1	3.5
Copper, total	ug/g	180	257	225
Lead, total	ug/g	120	149	190
Molybdenum, total	ug/g	6.9	85	87
Zinc, total	ug/g	340	935	883

Sample Location			BH228 SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-22
			0.6
Molybdenum, total	ug/g	6.9	14.5

Sample Location			BH207 SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-22
			0.6
Molybdenum, total	ug/g	6.9	22.9

Sample Location			BH/MW 25-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-24
			0.6
Molybdenum, total	ug/g	6.9	20

Sample Location			BH91-SS1	BH91-SS2	BH91-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14	2011-Jul-14
			0.6	0.6 - 1.2	1.2 - 1.9
Molybdenum, total	ug/g	6.9	12	7	8
Nickel, total	ug/g	130	111	163	61
Vanadium, total	ug/g	86	741	871	402

Sample Location			BH92-SS1	BH92-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14
			0.6	0.6 - 1.1
Barium, total	ug/g	390	421	201
Lead, total	ug/g	120	159	37
Molybdenum, total	ug/g	6.9	42	18
Nickel, total	ug/g	130	60	632
Vanadium, total	ug/g	86	2020	2220

Sample Location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.6	0.8 - 1.4
Molybdenum, total	ug/g	6.9	33.9	33.9
Thallium, total	ug/g	1	2.8	0.9

Sample Location			BH/MW 23-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-24
			0.6
Molybdenum, total	ug/g	6.9	119

Sample Location			BH97-SS1	BH97-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-15	2011-Jul-15
			0.6	0.6 - 1.2
Molybdenum, total	ug/g	6.9	13	8

Sample Location			BH208 SS1	BH208 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.6	0.8 - 1.4
Molybdenum, total	ug/g	6.9	12.5	11.2

Sample Location			BH93-SS1	BH93-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14
			0.6	0.6 - 1.1
Molybdenum, total	ug/g	6.9	109	79
Vanadium, total	ug/g	86	29	102

Sample Location			BH/MW 24-SS1	BH/MW 24-SS2	BH/MW 24-SS2.1 (BH/MW 24-SS2)
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-24	2011-Jun-24	2011-Jun-24
			0.6	0.6 - 1.2	0.6 - 1.2
Molybdenum, total	ug/g	6.9	14	73	42
Vanadium, total	ug/g	86	420	851	799

LEGEND

- Borehole
- Monitoring Well
- Test Pit
- Sample result below applicable SCS
- Sample result above applicable SCS
- Sample location not tested for parameter
- Contamination Plume
- Cross Section Alignment
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - Metals

BluMetric Environmental
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT # 220509 | DATE August 03, 2023
DRAWN MB | CHECKED SA | FIG NO. 2-1a | REV 3

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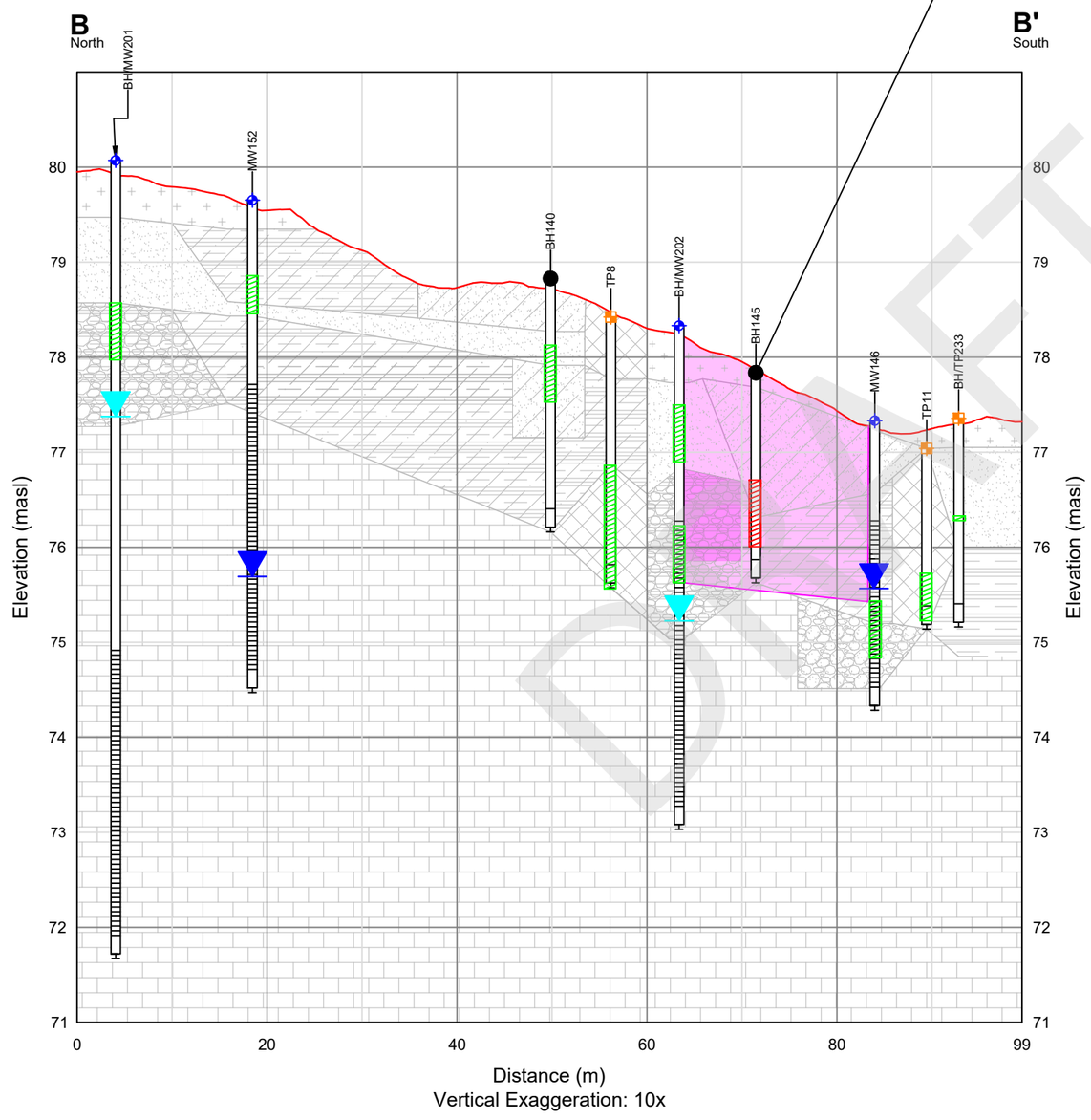
Sample Location			BH145-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-28
			1.2 - 1.9
Molybdenum, total	ug/g	6.9	10



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Sandy Gravel
- Groundwater Elevation (July, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 12 24 Metres
1:600

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impact to Soil Metals Cross-Section B-B'

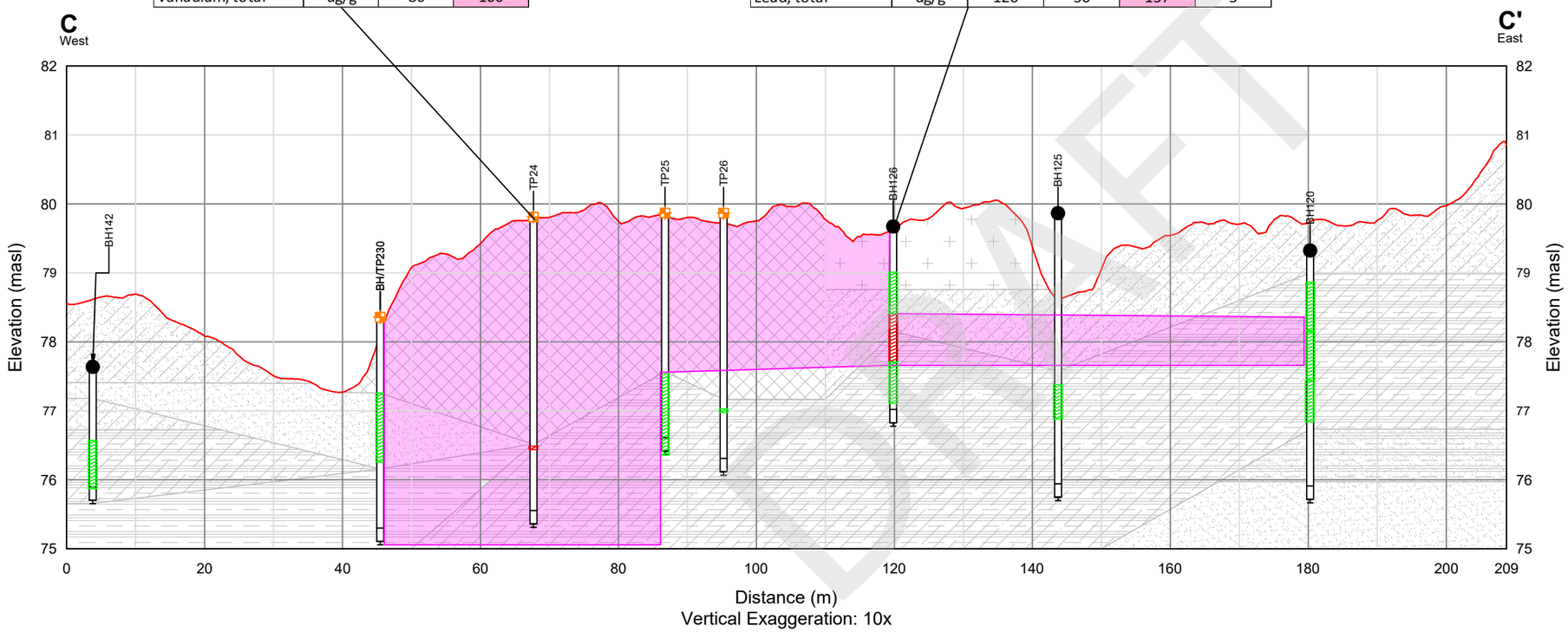
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-1b	0

Sample Location			TP24-1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-29
			3.3
Barium, total	ug/g	390	581
Molybdenum, total	ug/g	6.9	26
Vanadium, total	ug/g	86	100

Sample Location			BH126-SS3	BH126-SS3	BH126-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-25	2011-Jul-25	2011-Jul-25
			0.6 - 1.2	1.2 - 1.9	1.9 - 2.5
Lead, total	ug/g	120	50	157	5



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil Metals Cross-Section C-C'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-1c	0

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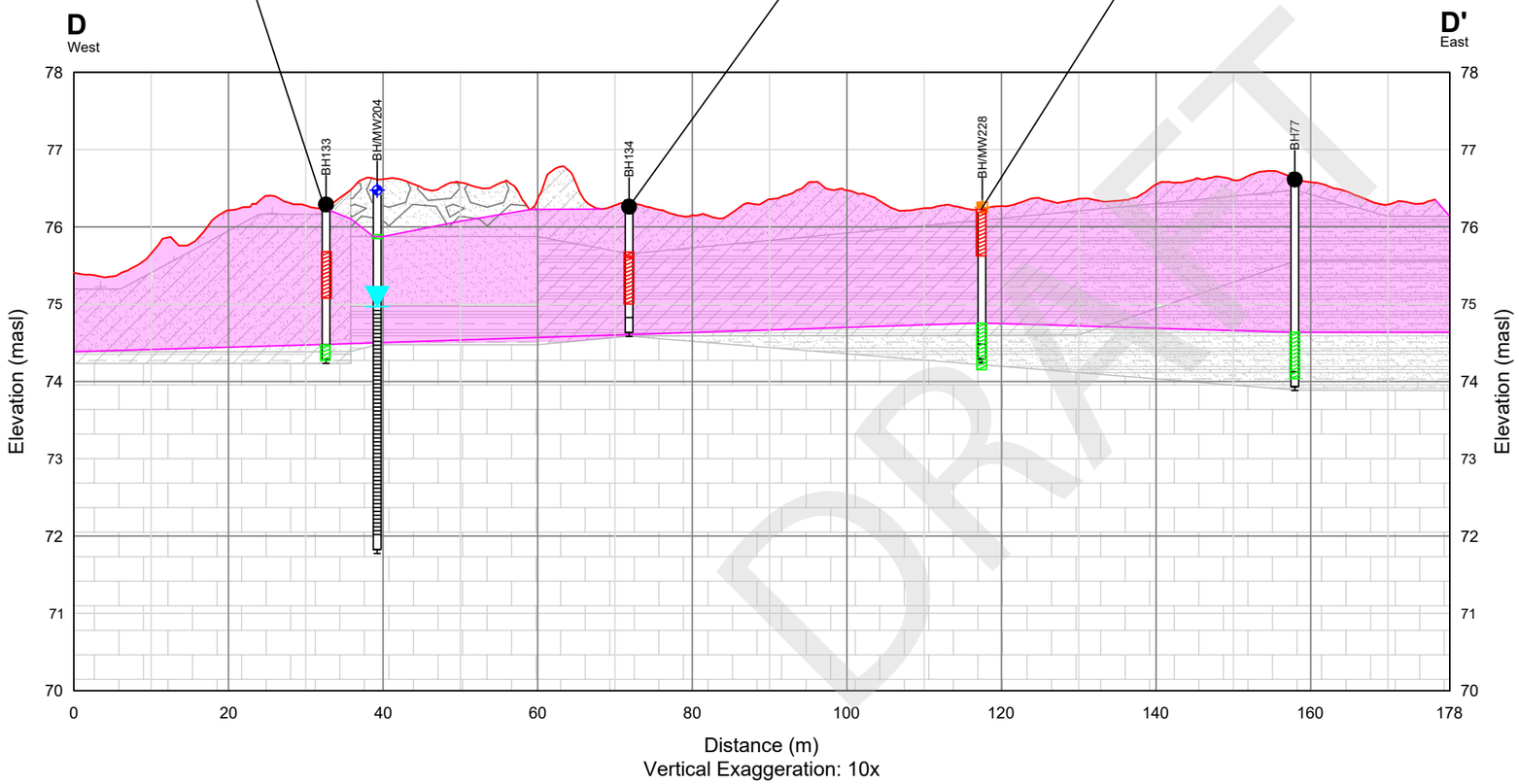
Sample Location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6 - 1.2	1.9 - 2.1
Copper, total	ug/g	180	267	<5
Lead, total	ug/g	120	122	6
Molybdenum, total	ug/g	6.9	153	3
Zinc, total	ug/g	340	562	<20

Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6	0.6 - 1.2
Barium, total	ug/g	390	881	1010
Cadmium, total	ug/g	1.2	1.1	3.5
Copper, total	ug/g	180	257	225
Lead, total	ug/g	120	149	190
Molybdenum, total	ug/g	6.9	85	87
Zinc, total	ug/g	340	935	883

Sample Location			BH228 SS1	BH228 SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-22	2022-Dec-22
			0.0 - 0.6	1.5 - 2.1
Molybdenum, total	ug/g	6.9	14.5	5



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil Metals Cross-Section D-D'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-1d	0

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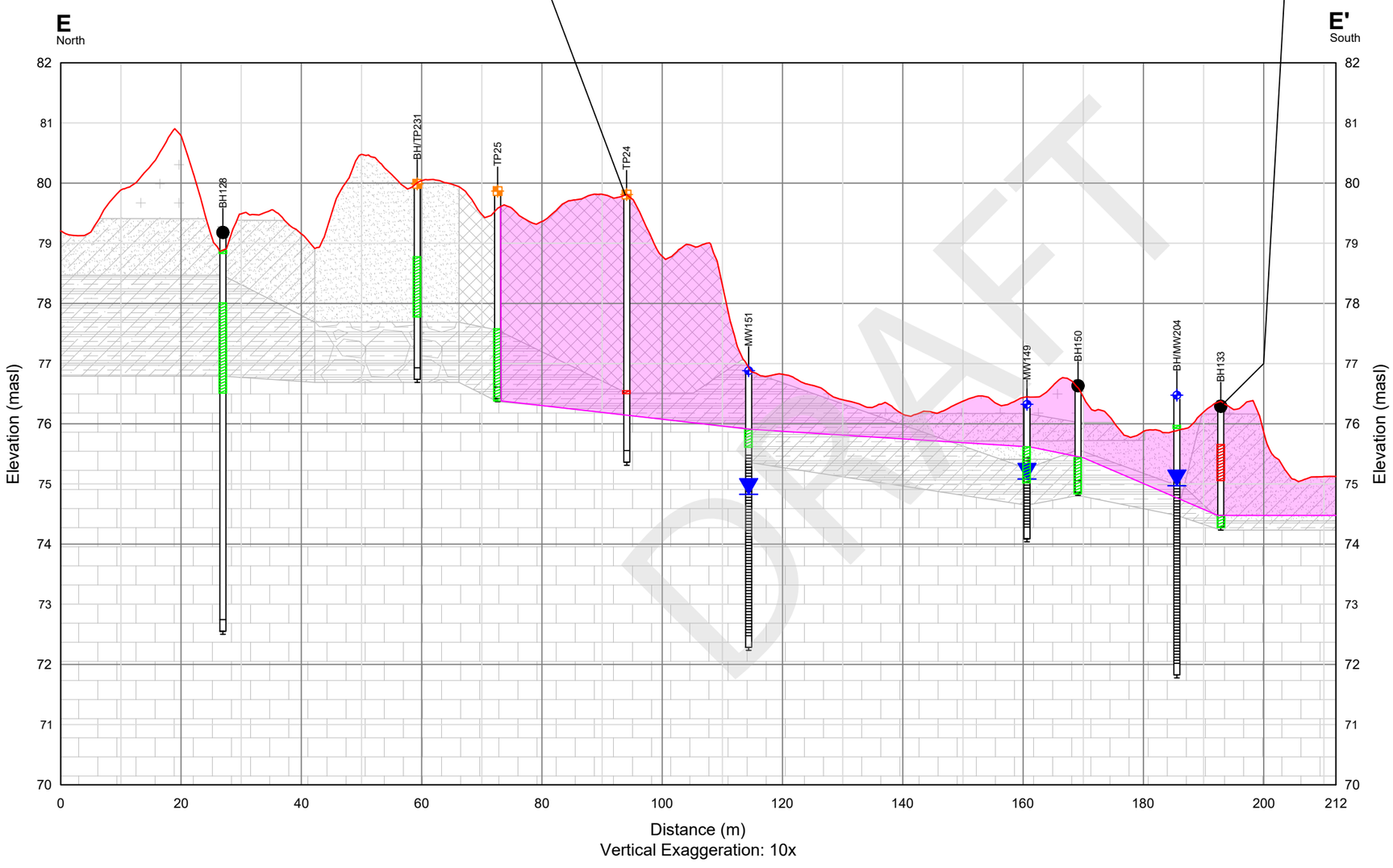
Sample Location			TP24-1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-29
			3.3
Barium, total	ug/g	390	581
Molybdenum, total	ug/g	6.9	26
Vanadium, total	ug/g	86	100

Sample Location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6 - 1.2	1.9 - 2.1
Copper, total	ug/g	180	267	<5
Lead, total	ug/g	120	122	6
Molybdenum, total	ug/g	6.9	153	3
Zinc, total	ug/g	340	562	<20



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Sandy Silty Clay
- Fill
- Clayey Gravel
- Groundwater Elevation (December, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil Metals Cross-Section E-E'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-1e	0

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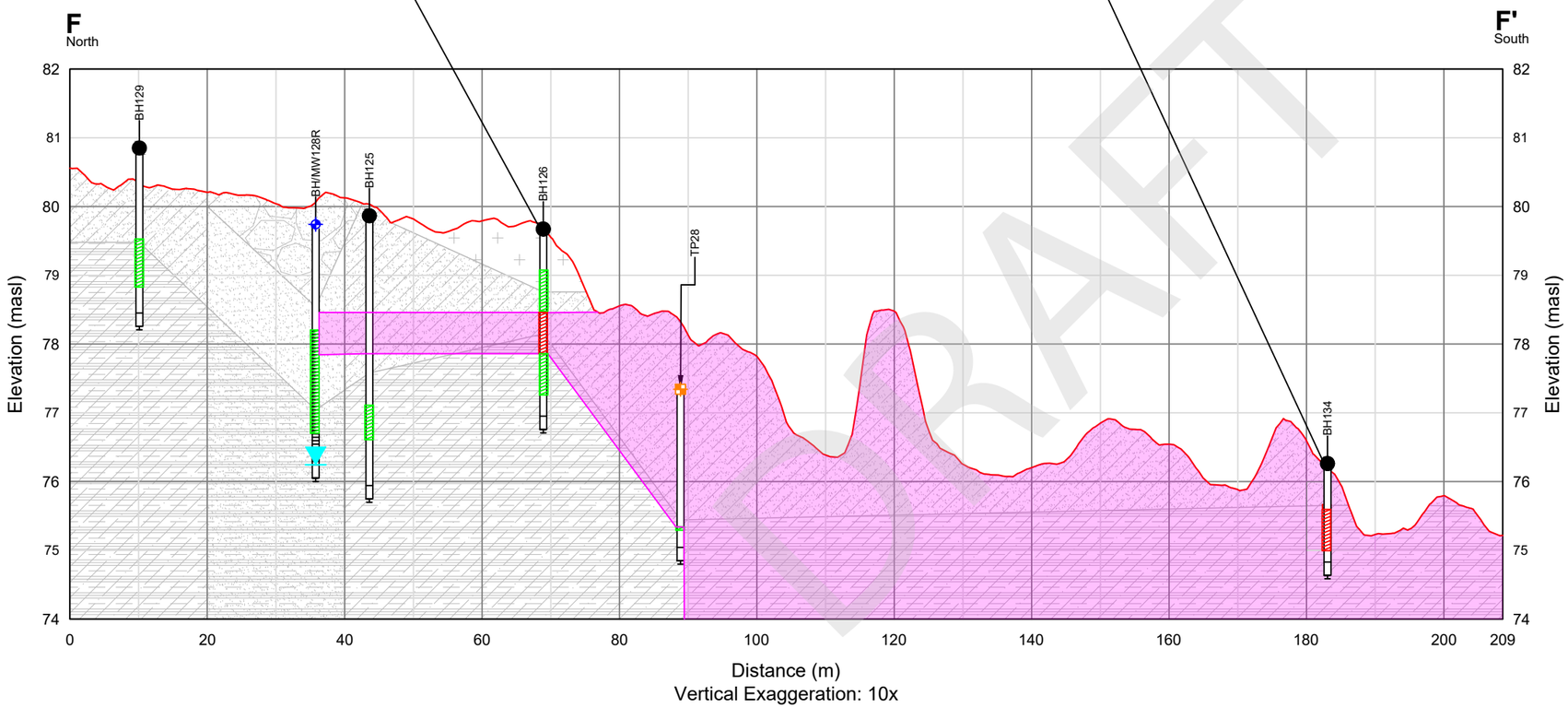
Sample Location			BH126-SS2	BH126-SS3	BH126-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-25	2011-Jul-25	2011-Jul-25
			0.6 - 1.2	1.2 - 1.9	1.9 - 2.5
Lead, total	ug/g	120	50	157	5

Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6	0.6 - 1.2
Barium, total	ug/g	390	881	1010
Cadmium, total	ug/g	1.2	1.1	3.5
Copper, total	ug/g	180	257	225
Lead, total	ug/g	120	149	190
Molybdenum, total	ug/g	6.9	85	87
Zinc, total	ug/g	340	935	883



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Sandy Gravel
- Groundwater Elevation (July, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil Metals Cross-Section F-F'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-1f	0

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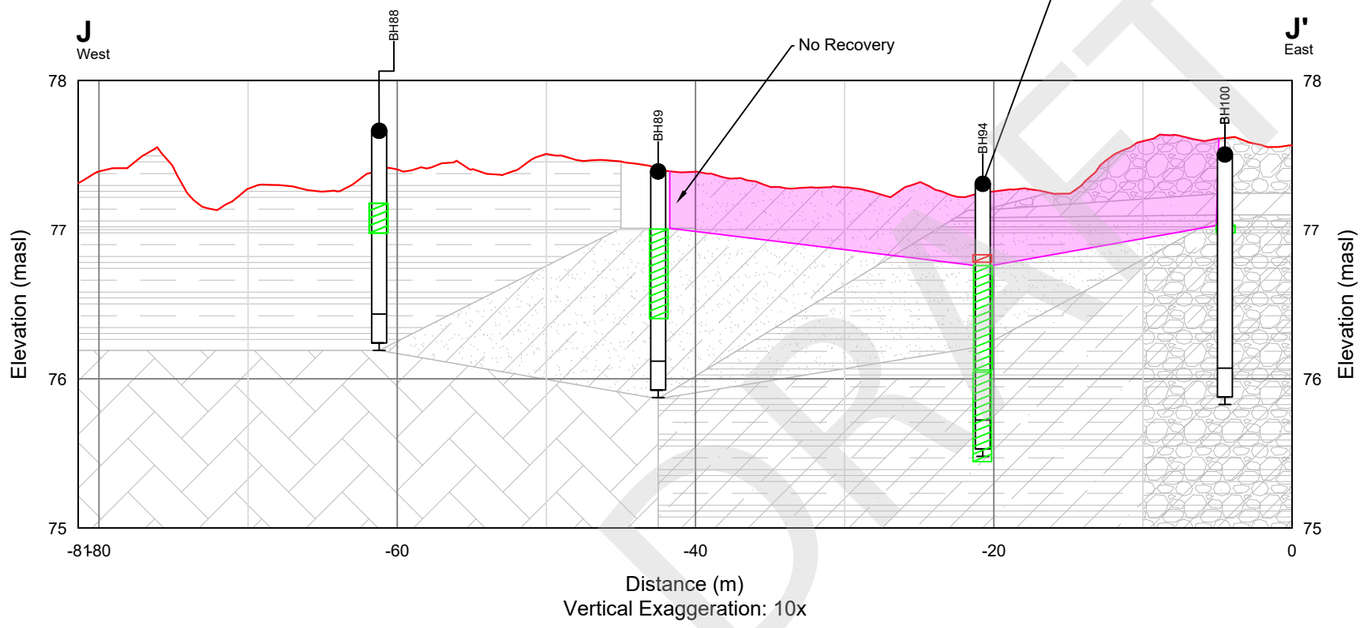
Sample Location			BH94-SS1	BH94-SS2	BH94-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14	2011-Jul-14
			0.0 - 0.6	0.6 - 1.3	1.3 - 1.9
Lead, total	ug/g	120	149	41	15
Molybdenum, total	ug/g	6.9	7	4	<1



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Shale
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Silty Gravel
- Silty Clayey Gravel
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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0 8 16 Metres
1:400

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - Metals Cross-Section J-J'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-1g	0

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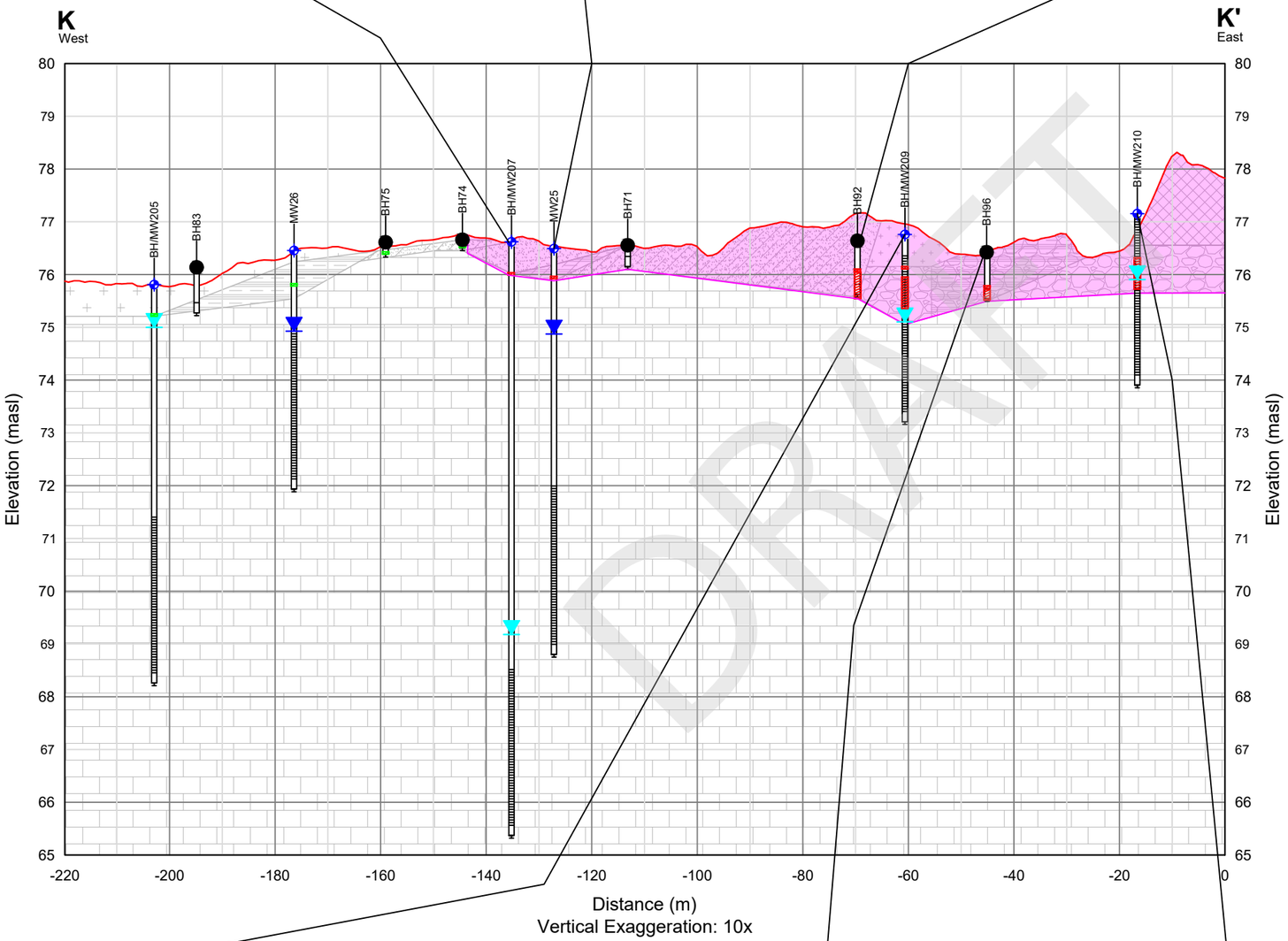
Sample Location			BH207 SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-22
			0.6
Molybdenum, total	ug/g	6.9	22.9

Sample Location			BH/MW 25-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-24
			0.6
Molybdenum, total	ug/g	6.9	20

Sample Location			BH92-SS1	BH92-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14
			0.6	0.6 - 1.1
Barium, total	ug/g	390	421	201
Lead, total	ug/g	120	159	37
Molybdenum, total	ug/g	6.9	42	18
Nickel, total	ug/g	130	60	632
Vanadium, total	ug/g	86	2020	2220



Sample Location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.6	0.8 - 1.4
Molybdenum, total	ug/g	6.9	33.9	33.9
Thallium, total	ug/g	1	2.8	0.9

Sample Location			BH96-SS1	BH96-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-15	2011-Jul-15
			0.6	0.6 - 0.9
Molybdenum, total	ug/g	6.9	48	38
Vanadium, total	ug/g	86	465	375

Sample Location			BH210 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19
			0.8 - 1.4
Molybdenum, total	ug/g	6.9	41.3
Zinc, total	ug/g	340	452

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 20 40 Metres
1:1000

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - Metals Cross-Section K-K'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-1h	0

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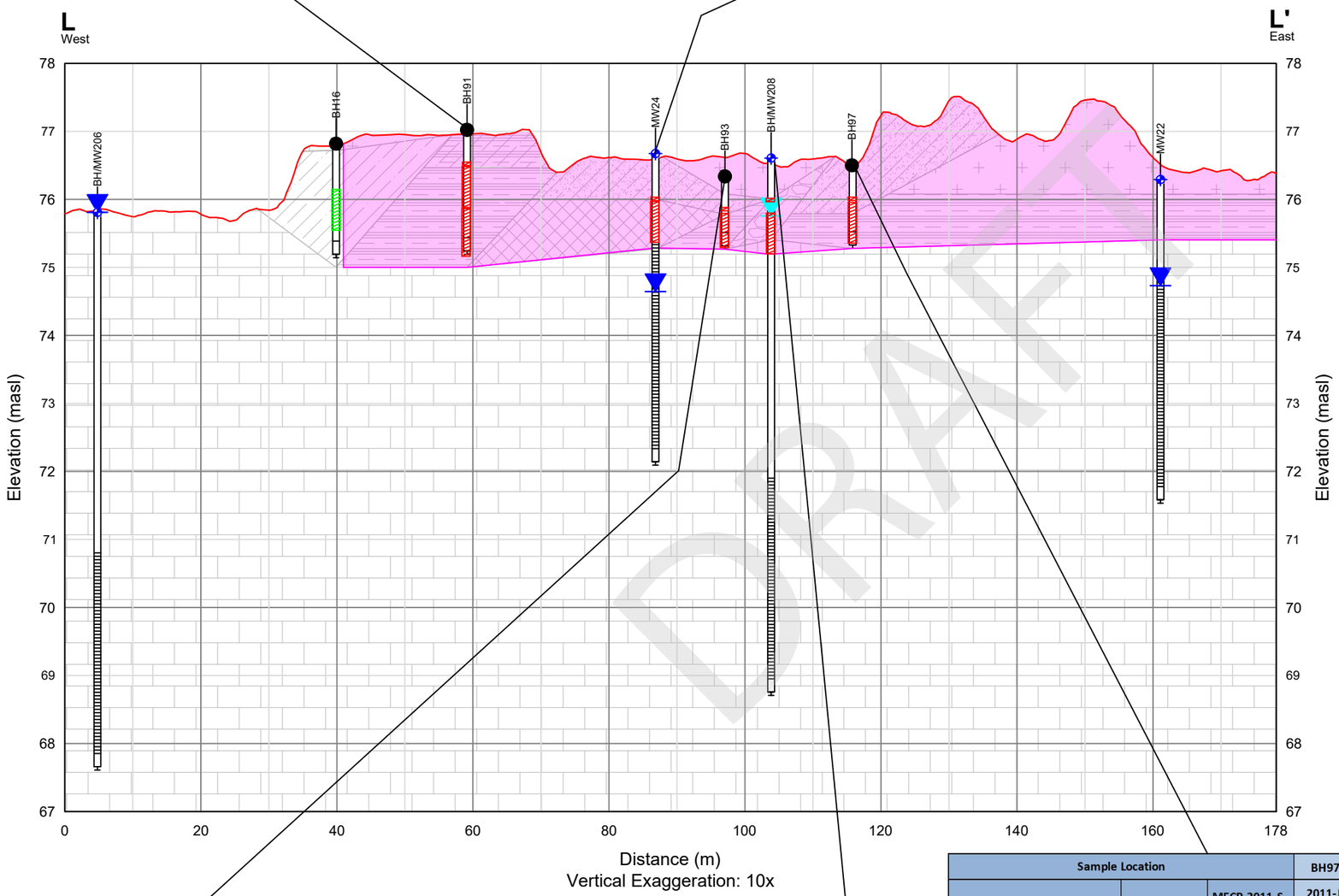
Sample Location			BH91-SS1	BH91-SS2	BH91-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14	2011-Jul-14
			0.6	0.6 - 1.2	1.2 - 1.9
Molybdenum, total	ug/g	6.9	12	7	8
Nickel, total	ug/g	130	111	163	61
Vanadium, total	ug/g	86	741	871	402

Sample Location			BH/MW 24-SS1	BH/MW 24-SS2	BH/MW 24-SS2.1 (BH/MW 24-SS2)
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-24	2011-Jun-24	2011-Jun-24
			0.6	0.6 - 1.2	0.6 - 1.2
Molybdenum, total	ug/g	6.9	14	73	42
Vanadium, total	ug/g	86	420	851	799



Sample Location			BH97-SS1	BH97-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-15	2011-Jul-15
			0.6	0.6 - 1.2
Molybdenum, total	ug/g	6.9	13	8

Sample Location			BH93-SS1	BH93-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14
			0.6	0.6 - 1.1
Molybdenum, total	ug/g	6.9	109	79
Vanadium, total	ug/g	86	29	102

Sample Location			BH208 SS1	BH208 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.6	0.8 - 1.4
Molybdenum, total	ug/g	6.9	12.5	11.2

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

N W E S

0 15 30 Metres
1:750

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - Metals Cross-Section L-L'

BluMetric Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-1i	0

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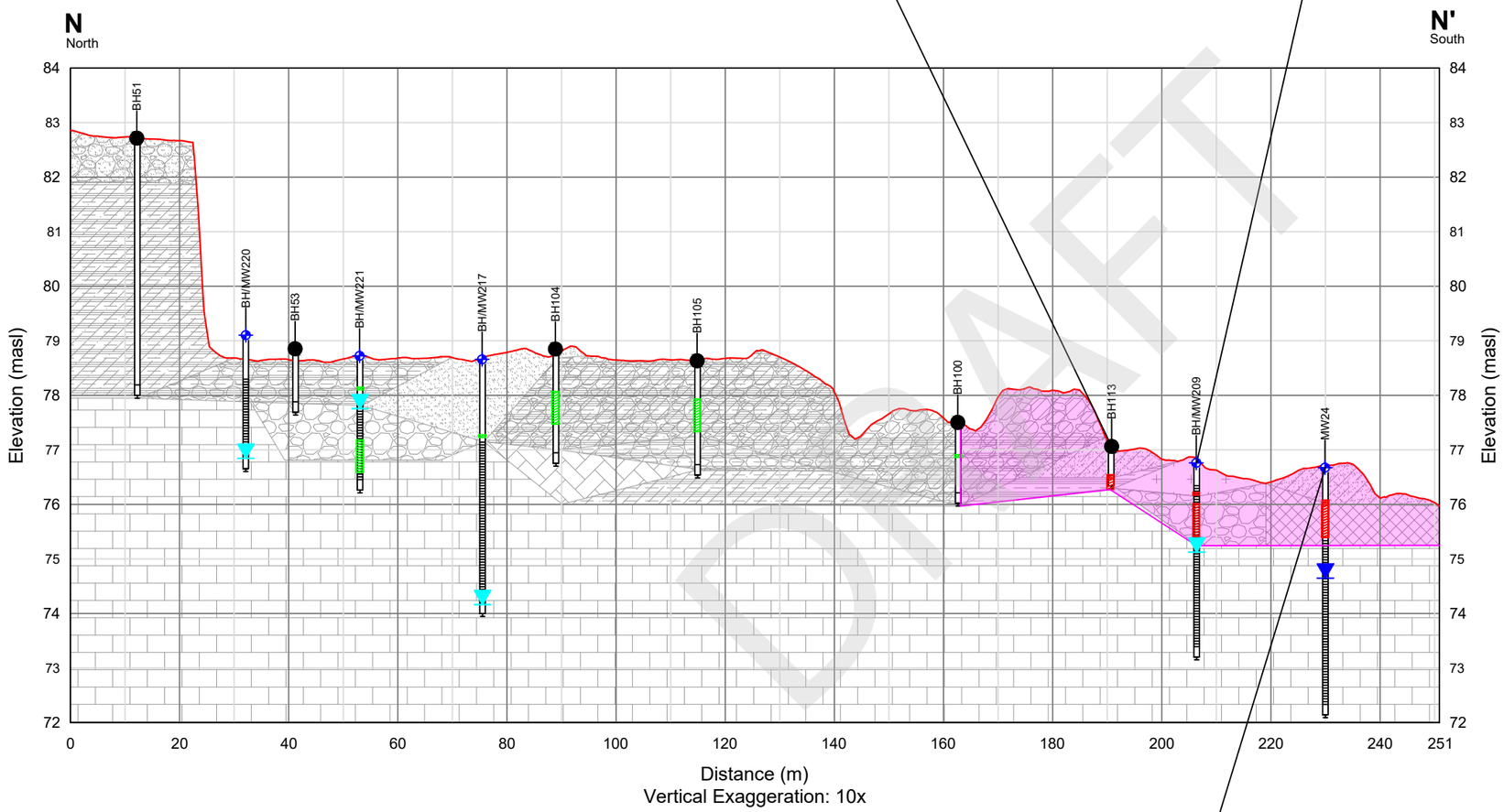
Sample Location			BH113-SS1	BH113-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-20	2011-Jul-20
			0.6	0.6 - 0.8
Cadmium, total	ug/g	1.2	2	<0.5
Lead, total	ug/g	120	287	60
Molybdenum, total	ug/g	6.9	29	17

Sample Location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.6	0.8 - 1.4
Molybdenum, total	ug/g	6.9	33.9	33.9
Thallium, total	ug/g	1	2.8	0.9



Sample Location			BH/MW 24-SS1	BH/MW 24-SS2	BH/MW 24-SS2.1 (BH/MW 24-SS2)
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-24	2011-Jun-24	2011-Jun-24
			0.6	0.6 - 1.2	0.6 - 1.2
Molybdenum, total	ug/g	6.9	14	73	42
Vanadium, total	ug/g	86	420	851	799

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Silty Clayey Gravel
- Shale
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20.027 40.059 Metres
1:1001.374

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - Metals Cross-Section N-N'

BluMetric Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-1j	0

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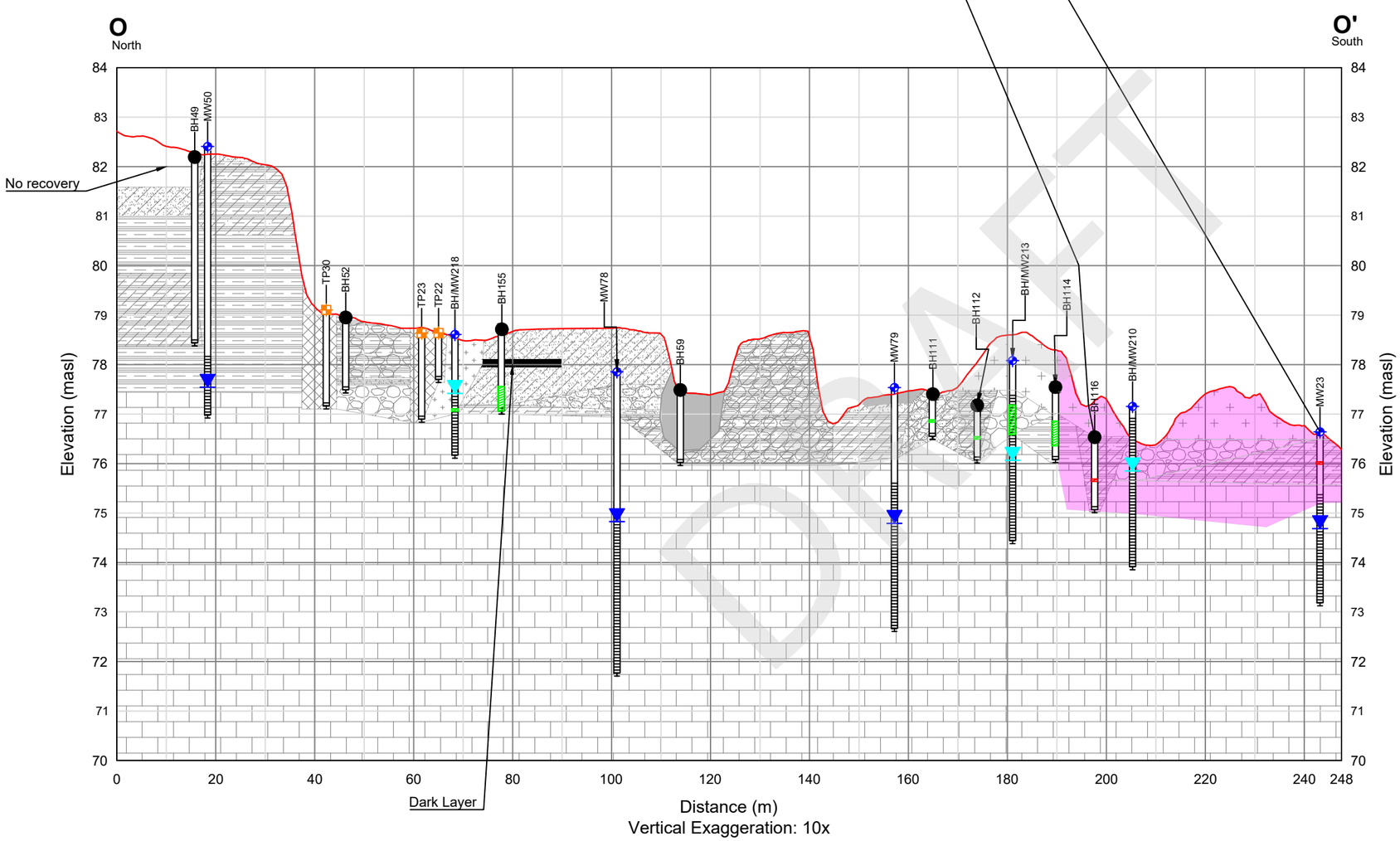
Sample Location			BH116-SS1	BH116-SS1.1 (BH116-SS1)
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-20	2011-Jul-20
			0.8	0.8
Molybdenum, total	ug/g	6.9	19	12

Sample Location			BH/MW 23-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-24
			0.6
Molybdenum, total	ug/g	6.9	119



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Asphalt
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - Metals Cross-Section O-O'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-1k	0

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Sample Location			TP24-1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-29
Arsenic, total	ug/g	18	19

Sample Location			BH94-SS1	BH94-SS2	BH94-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14	2011-Jul-14
			0.6	0.6 - 1.3	1.3 - 1.9
Arsenic, total	ug/g	18	28	81	93

Sample Location			BH113-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-20
			0.6
Arsenic, total	ug/g	18	43

Sample Location			BH90-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-13
			0.6
Arsenic, total	ug/g	18	45

Sample Location			BH92-SS1	BH92-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14
			0.6	0.6 - 1.1
Arsenic, total	ug/g	18	38	33

Sample Location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.6	0.8 - 1.4
Arsenic, total	ug/g	18	202	63
Selenium, total	ug/g	2.4	5.5	2.1

Sample Location			BH/MW 24-SS2	BH/MW 24-SS2.1 (BH/MW 24-SS2)
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-24	2011-Jun-24
			0.6 - 1.2	0.6 - 1.2
Arsenic, total	ug/g	18	51	39

LEGEND

- Borehole
- Monitoring Well
- Test Pit
- Sample result below applicable SCS
- Sample result above applicable SCS
- Sample location not tested for parameter
- Contamination Plume
- Cross Section Alignment
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Wetland - Evaluated (Provincial)
- Former Site Feature
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

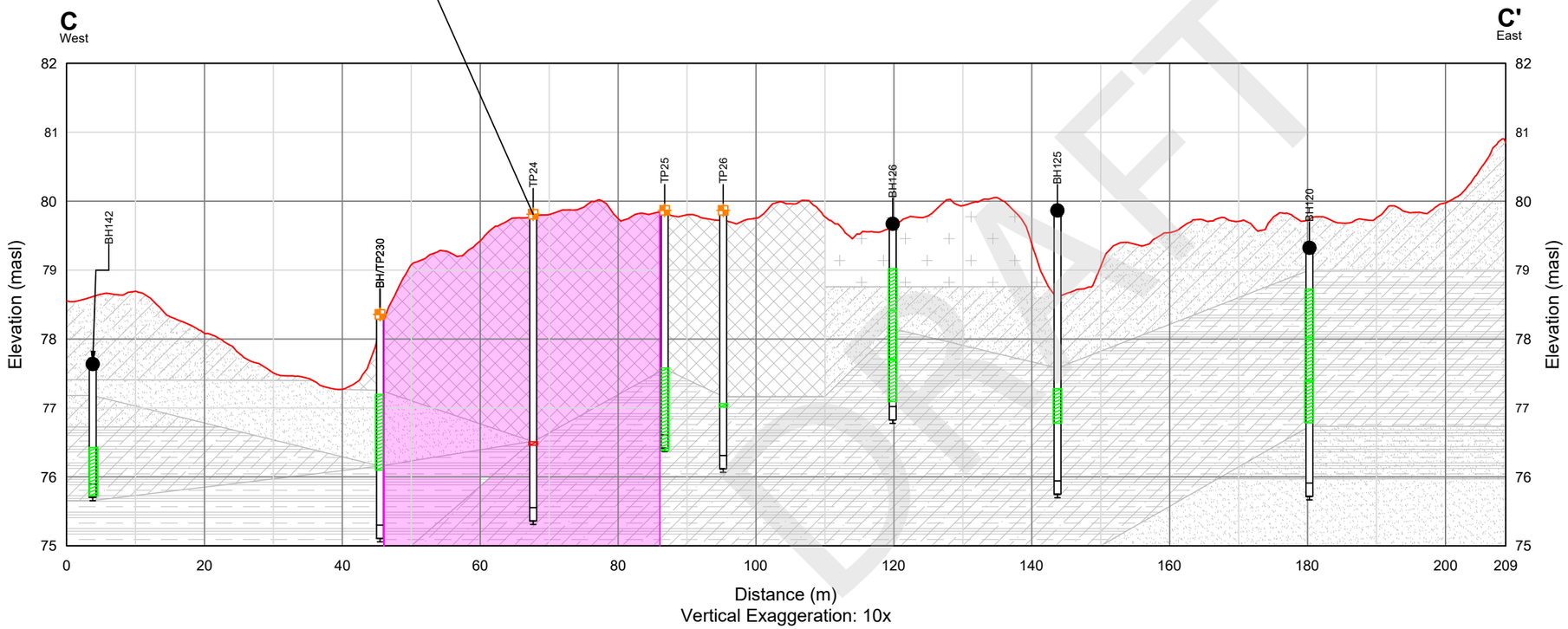
Impacts to Soil -
Hydride Forming Metals

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-2a	3

Sample Location			TP24-1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-29 3.3
Arsenic, total	ug/g	18	19



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 15 30 Metres
1:750

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - HFMs
Cross-Section C-C'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-2b	0

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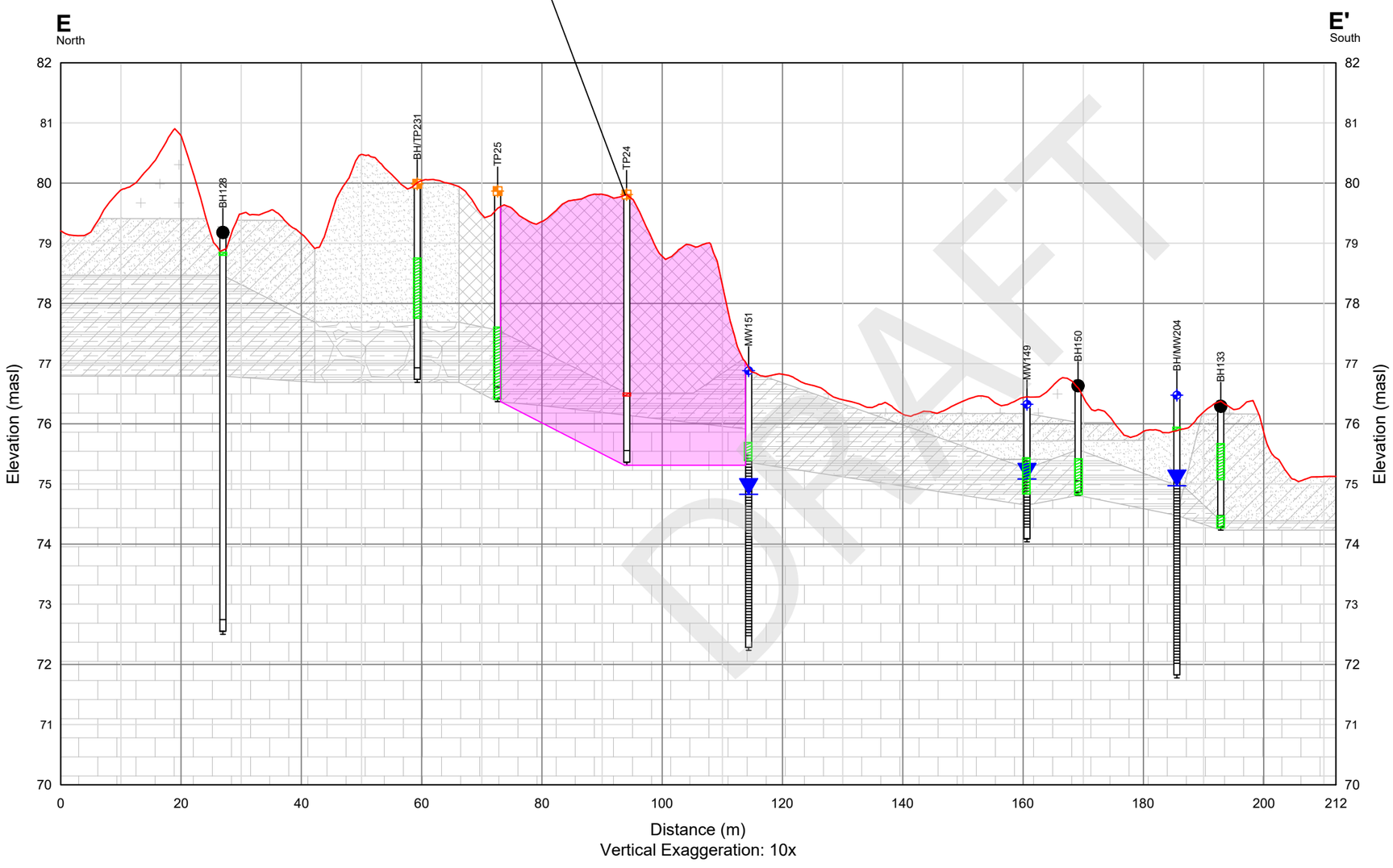
Sample Location			TP24-1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-29 3.3
Arsenic, total	ug/g	18	19



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Sandy Silty Clay
- Fill
- Clayey Gravel
- Groundwater Elevation (December, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - HFMs Cross-Section E-E'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-2c	0

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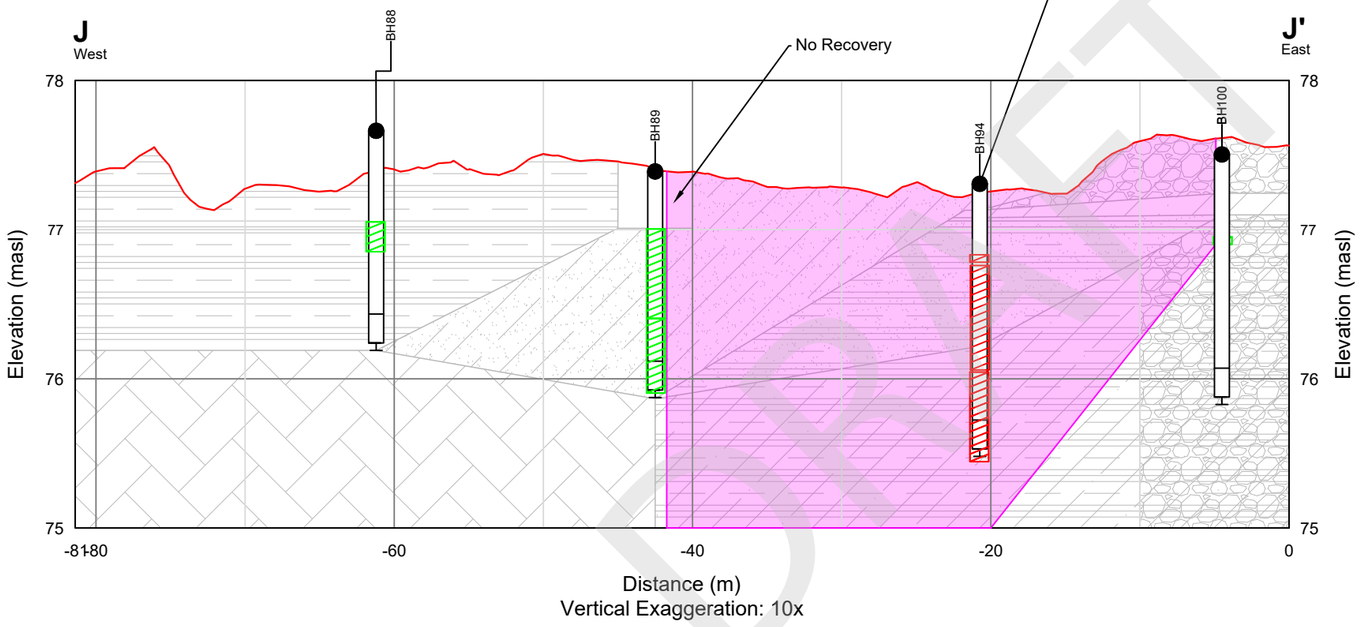
Sample Location			BH94-SS1	BH94-SS2	BH94-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14	2011-Jul-14
			0.6	0.6 - 1.3	1.3 - 1.9
Arsenic, total	ug/g	18	28	81	93



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Shale
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Silty Gravel
- Silty Clayey Gravel
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 8 16 Metres
1:400

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - HFMs Cross-Section J-J'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-2d	0

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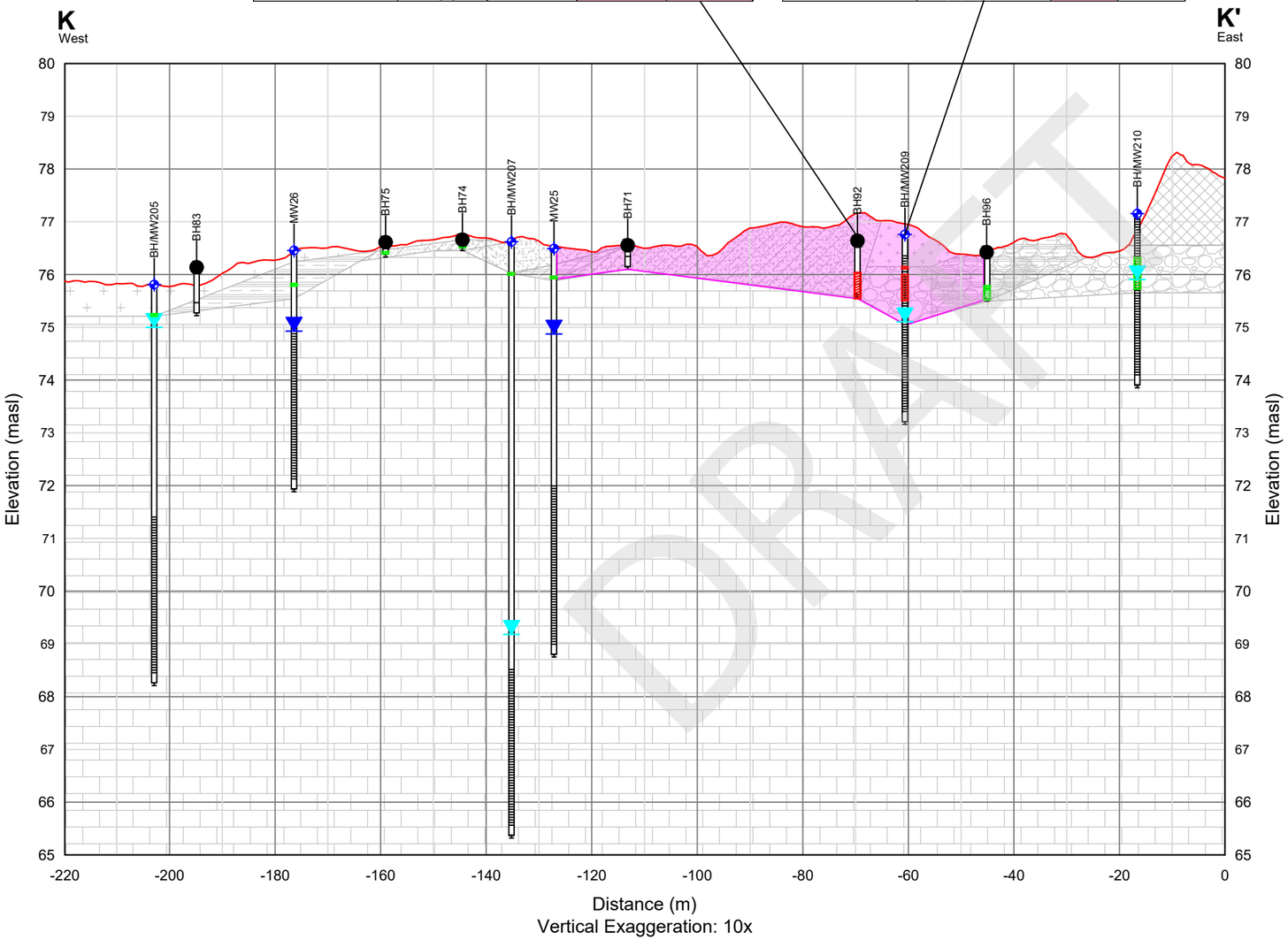
Sample Location			BH92-SS1	BH92-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14
			0.6	0.6 - 1.1
Arsenic, total	ug/g	18	38	33

Sample Location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.6	0.8 - 1.4
Molybdenum, total	ug/g	6.9	33.9	33.9
Thallium, total	ug/g	1	2.8	0.9



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - HFMs
Cross-Section K-K'

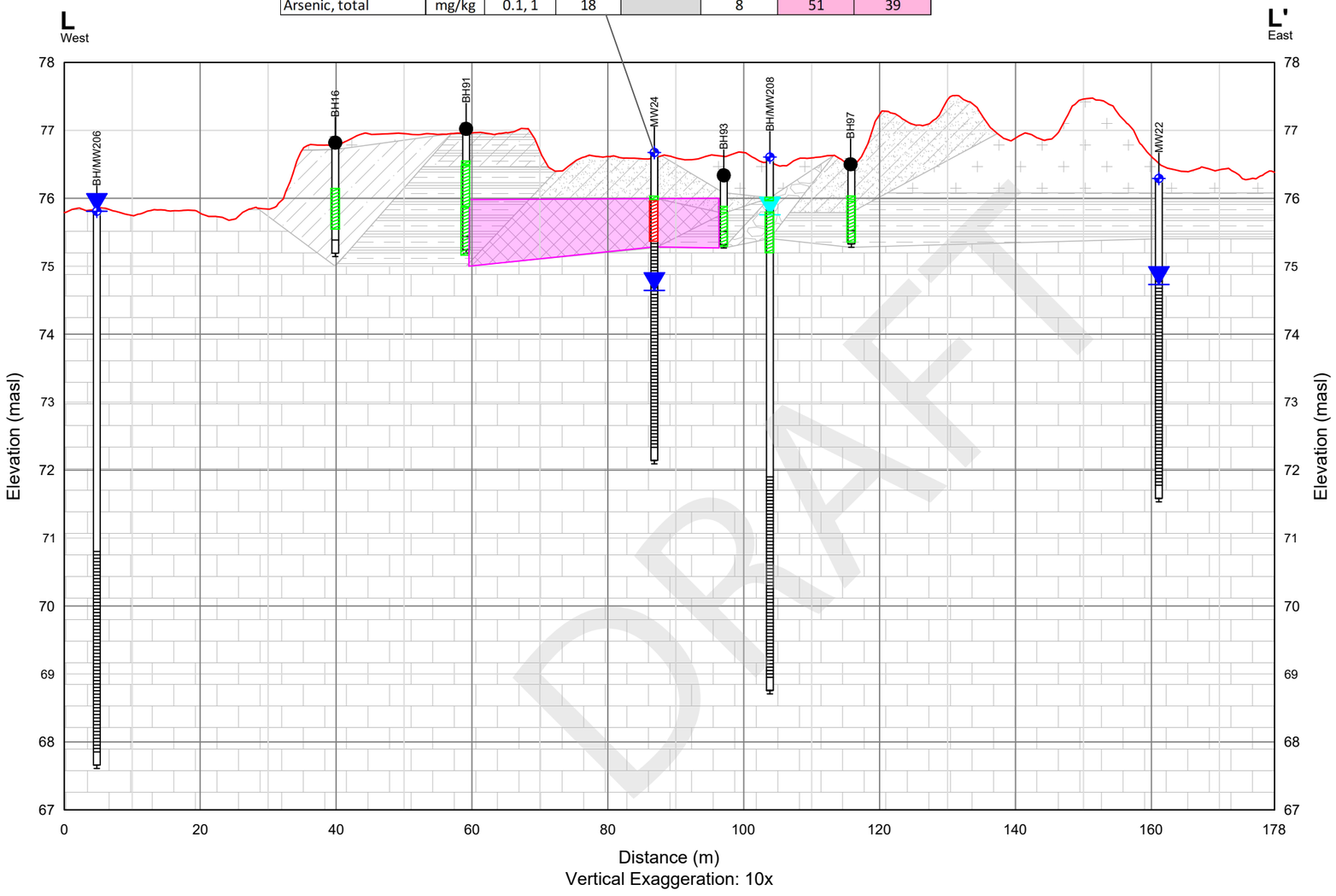
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-2e	0

C:\SP\Blumetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03\220509-Bakelite-RSC2.dwg

Osprey Shores Analytical Chemistry Results: Hydride-Forming Metals in Soil				Sample ID	BH/MW 24-SS1	BH/MW 24-SS2	BH/MW 24-SS2.1 (BH/MW 24-SS2)
Parameter	Units	Detection Limit	MECP-2011-S-T7-RPI-FMT	Sample Date	2011-Jun-24	2011-Jun-24	2011-Jun-24
				Sample Depth	0.6	0.6 - 1.2	0.6 - 1.2
Arsenic, total	mg/kg	0.1, 1	18		8	51	39



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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N W E S

0 15 30 Metres
1:750

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - HFMs Cross-Section L-L'

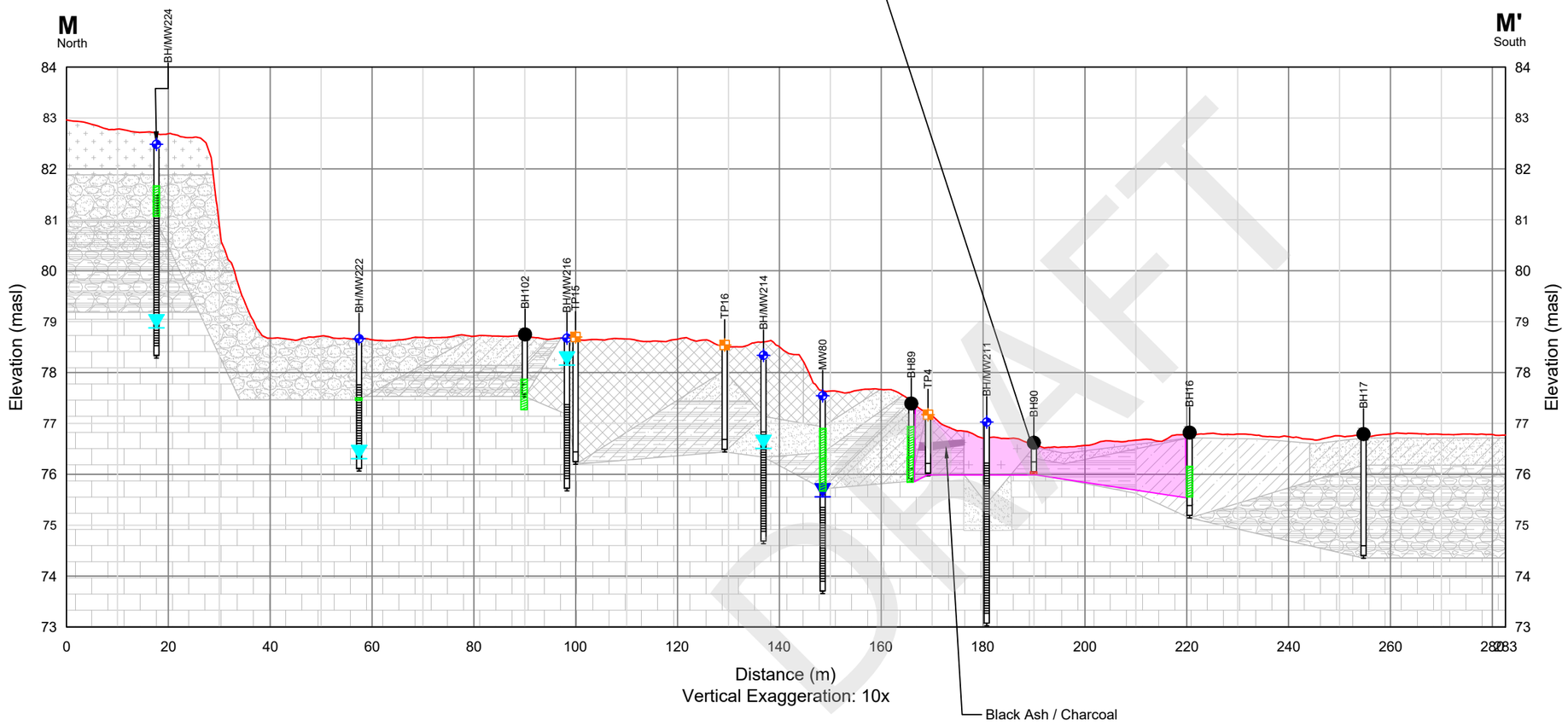
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-2f	0

C:\SP\Blumetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03\220509-Bakelite-RSC2.dwg

Sample Location			BH90-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-13
			0.6
Arsenic, total	ug/g	18	45



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - HFMs Cross-Section M-M'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

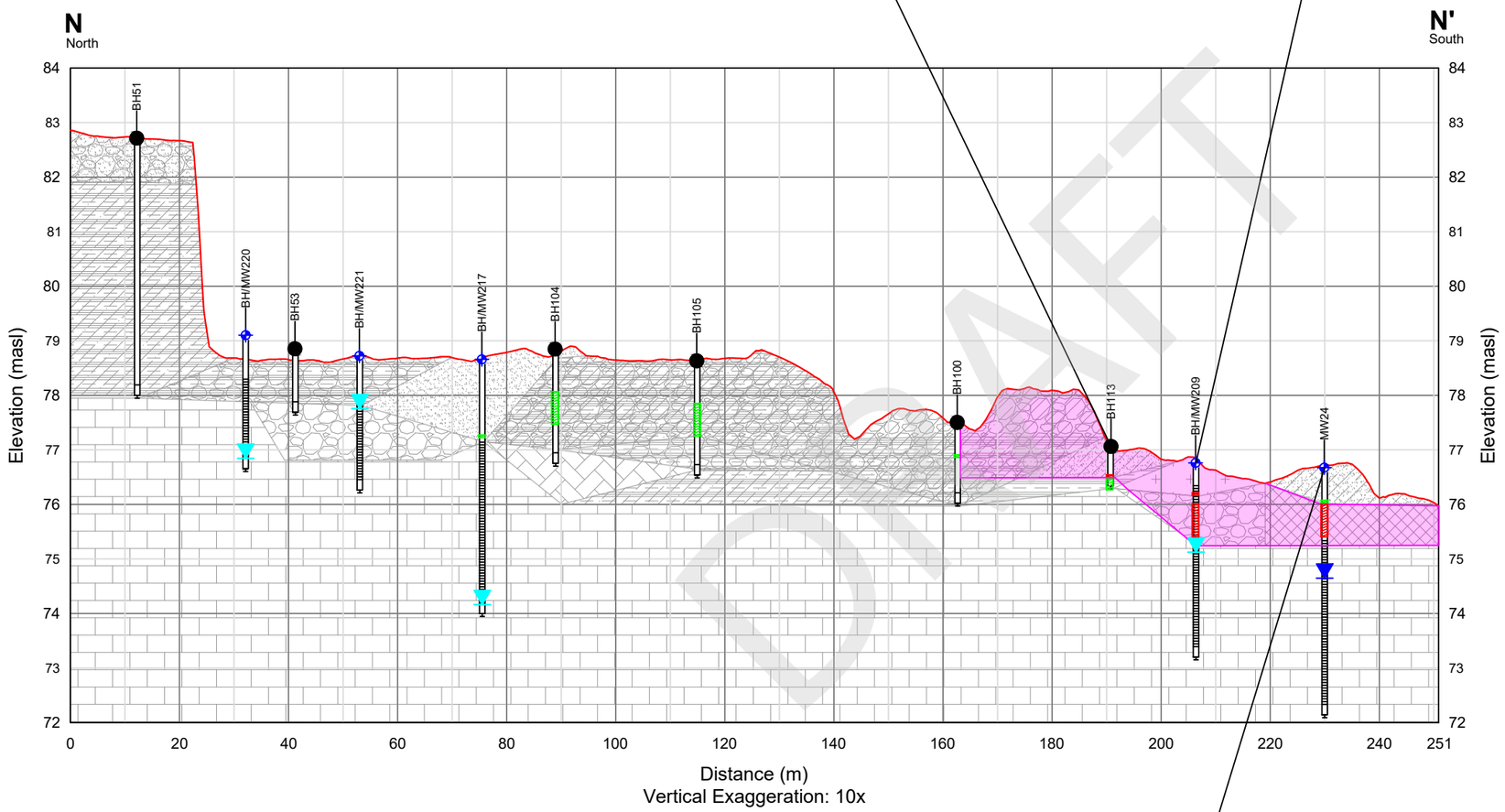
PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-2g	0

C:\SP\Blumetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03\220509-Bakelite-RSC2.dwg

Sample Location			BH113-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-20
			0.6
Arsenic, total	ug/g	18	43

Sample Location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.6	0.8 - 1.4
Arsenic, total	ug/g	18	202	63
Selenium, total	ug/g	2.4	5.5	2.1



Sample Location			BH/MW 24-SS2	BH/MW 24-SS2.1 (BH/MW 24-SS2)
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-24	2011-Jun-24
			0.6 - 1.2	0.6 - 1.2
Arsenic, total	ug/g	18	51	39

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Silty Clayey Gravel
- Shale
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20.027 40.05 Metres
1:1001.374

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - HFMs Cross-Section N-N'

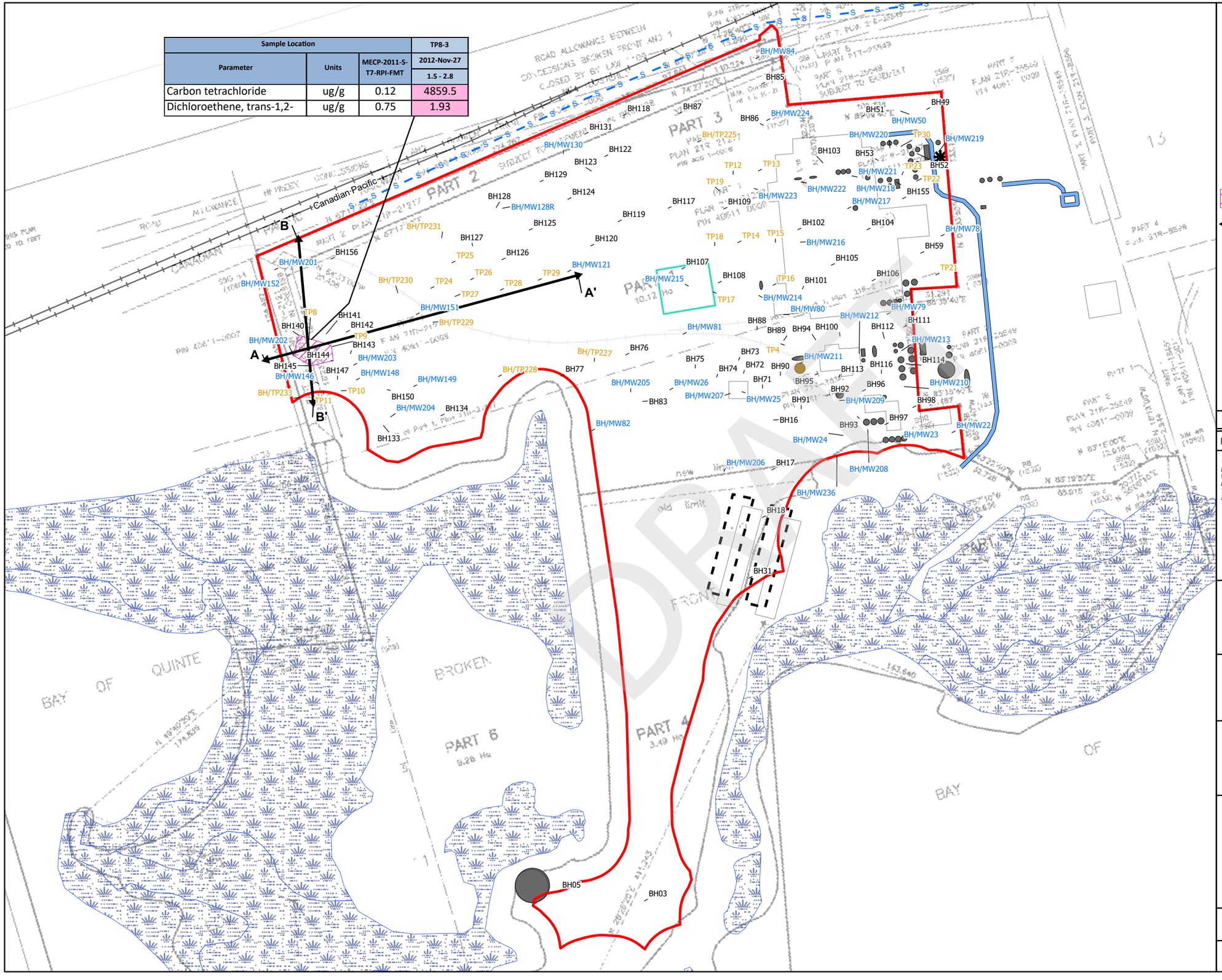
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-2h	0

C:\SP\Blumetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03\220509-Bakelite-RSC2.dwg

Sample Location			TP8-3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-27
			1.5 - 2.8
Carbon tetrachloride	ug/g	0.12	4859.5
Dichloroethene, trans-1,2-	ug/g	0.75	1.93



LEGEND

- Borehole
- Monitoring Well
- Test Pit
- Sample result below applicable SCS
- Sample result above applicable SCS
- Sample location not tested for parameter
- Contamination Plume
- Cross Section Alignment
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Wetland - Evaluated (Provincial)
- Former Site Feature
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Soil - VOCs

BluMetric Environmental

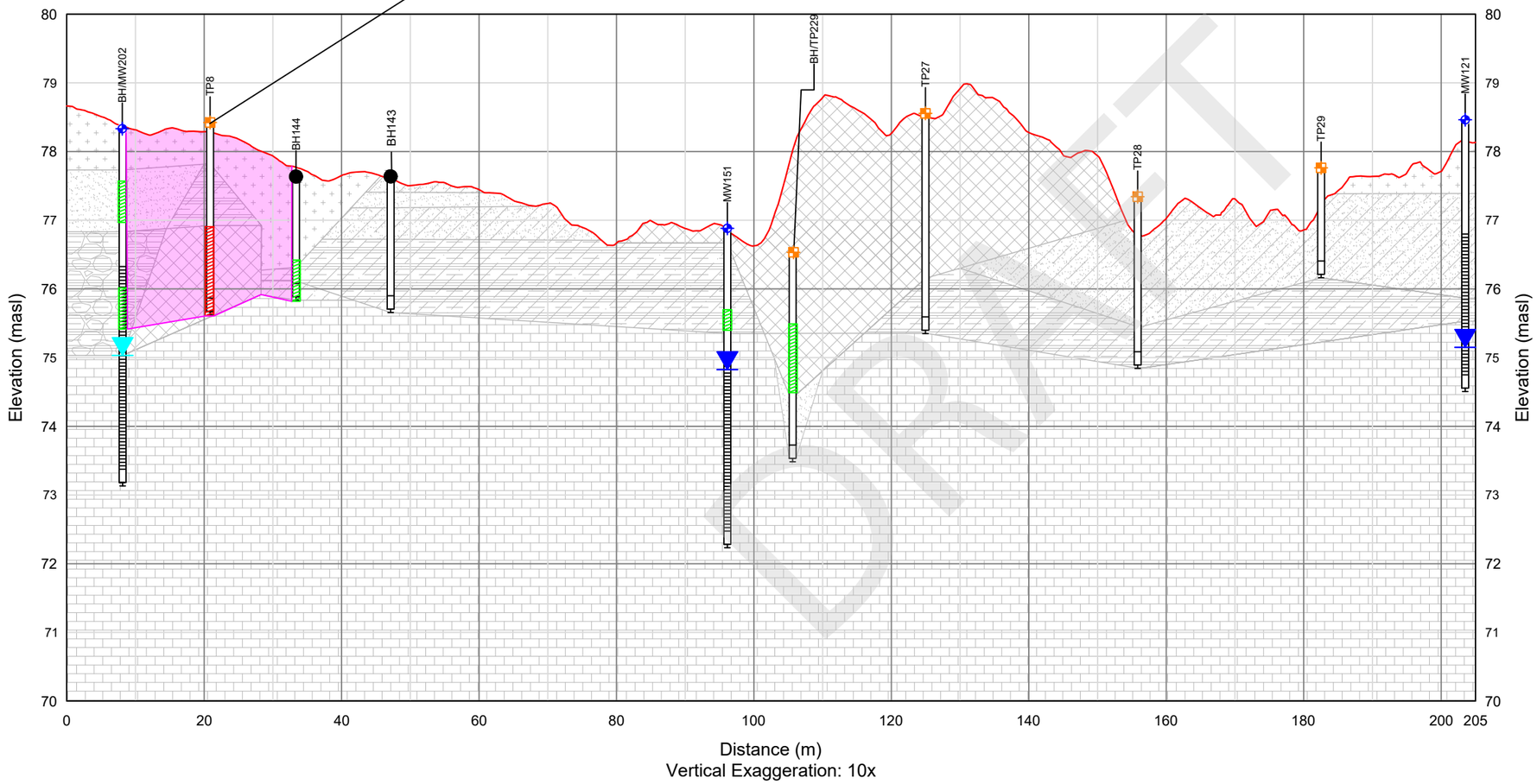
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-3a	3

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\APRX\2023-08-03-PH2\220509 - PhaseTwoESA - 621 Dundas, Belleville.aprx

Sample Location			TP8-3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-27
			1.5 - 2.8
Carbon tetrachloride	ug/g	0.12	4859.5
Dichloroethene, trans-1,2-	ug/g	0.75	1.93



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - VOCs Cross-Section A-A'

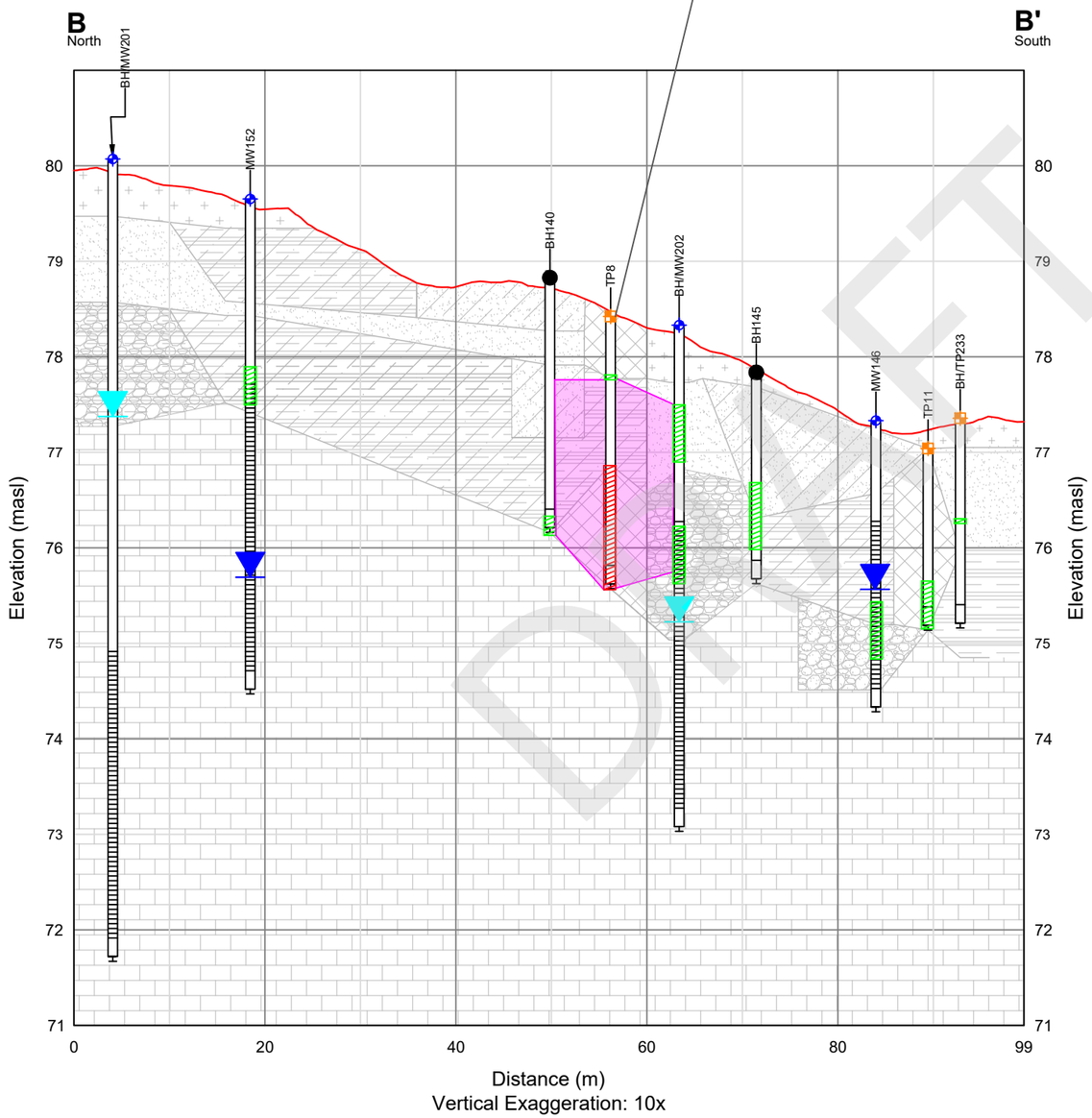
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-3b	0

C:\SP\Blumetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03\220509-Bakelite-RSC2.dwg

Osprey Shores Analytical Chemistry Results: Volatile Organic Compounds in Soil				Sample ID	TP8-1	TP8-3
Parameter	Units	Detection Limit	MECP-2011-S-T7-RPI-FMT	Sample Date	2012-Nov-27	2012-Nov-27
				Sample Depth	0.6	1.5 - 2.8
Carbon tetrachloride	mg/kg	0.05	0.12		<0.2	4859.5
Dichloroethene, trans-1,2-	mg/kg	0.05	0.75		<0.05	1.93



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Sandy Gravel
- Groundwater Elevation (July, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 12 24 Metres
1:600

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impact to Soil - VOCs Cross-Section B-B'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-3c	0

C:\SP\Blumetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03\220509-Bakelite-RSC2.dwg

Sample location			BH53-SS1	BH53-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-05	2011-Jul-05
			0.6	0.6 - 1.3
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	150	<100	1120
Petroleum Hydrocarbons F4G-SG (GHH-Silica)	ug/g	5600	12900	1200

Sample location			BH223 SS1	BH223 SS1-DUP (BH223-SS1)
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-22	2022-Dec-22
			0.6	0.6
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	1300	3500	3500

Sample location			BH49-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-05
			0.6 - 1.2
Petroleum Hydrocarbons F4G-SG (GHH-Silica)	ug/g	5600	9400

Sample location			BH126-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-25
			0.6 - 1.2
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	1300	1360

Sample location			TP8-3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-27
			1.5 - 2.8
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	65	8304
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	150	1160

Sample location			BH145-SS3	BH145-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-28	2011-Jul-28
			1.2 - 1.9	1.9 - 2.2
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	65	580	120
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	150	160	<10

Sample location			BH144-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-27
			1.2 - 1.8
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	65	4540

Sample location			BH133-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26
			0.6 - 1.2
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	65	430

Sample location			BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19
			0.8 - 1.4
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	150	713
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	1300	6280

Sample location			BH92-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14
			0.6
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	1300	1620

LEGEND

- Borehole
- Monitoring Well
- Test Pit
- Sample result below applicable SCS
- Sample result above applicable SCS
- Sample location not tested for parameter
- Contamination Plume
- Cross Section Alignment
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Soil - PHCs

BluMetric Environmental™
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

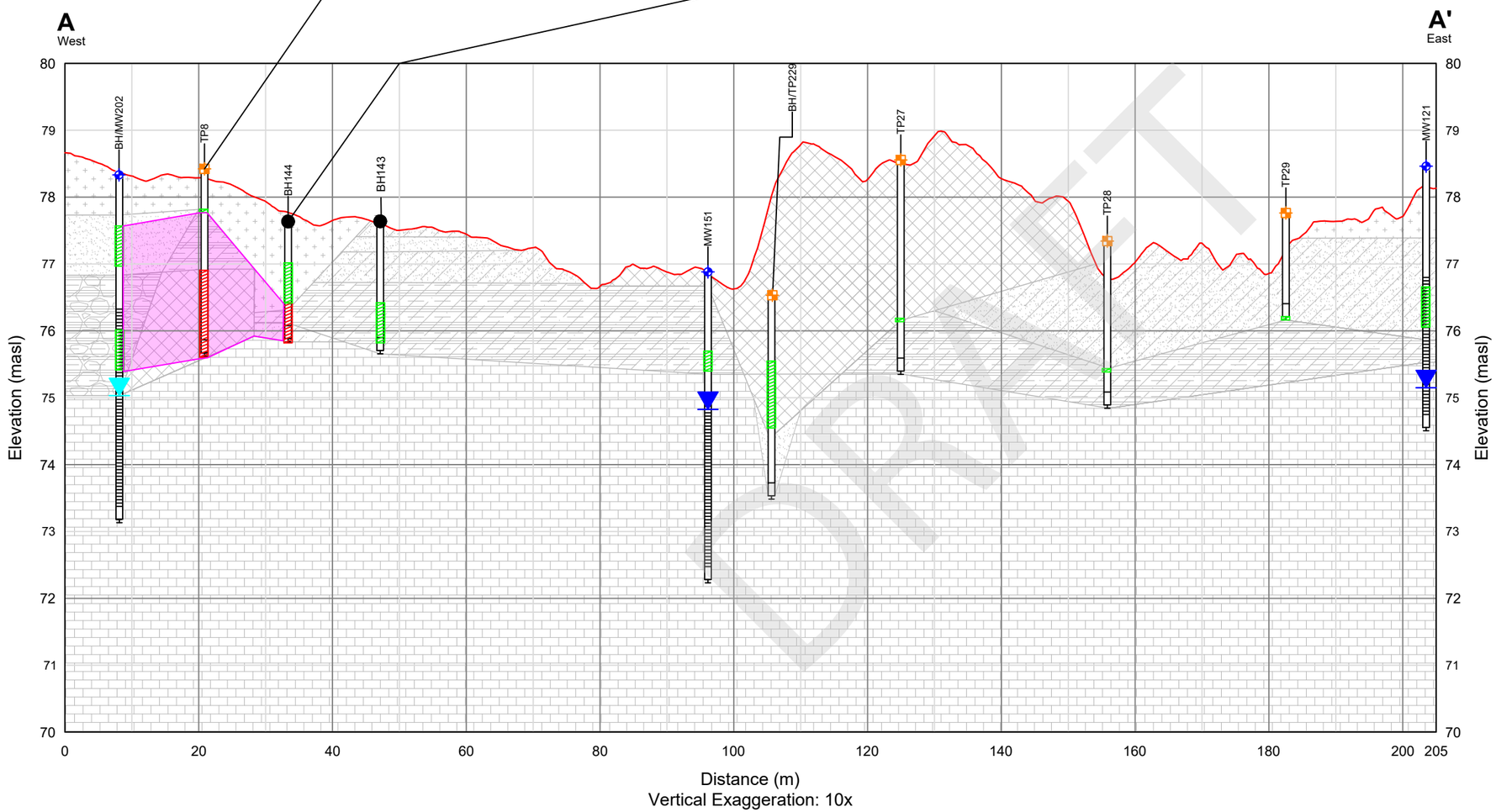
PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-4a	3

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\APRX\2023-08-03-PH2\220509 - PhaseTwoESA - 621 Dundas, Belleville.aprx

Sample location			TP8-1	TP8-3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-27	2012-Nov-27
			0.0 - 0.6	1.5 - 2.8
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	65	<10	8304
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	150	<10	1160

Sample location			BH144-SS2	BH144-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-27	2011-Jul-27
			0.6 - 1.2	1.2 - 1.8
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	65	<10	4540



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PHCs Cross-Section A-A'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-4b	0

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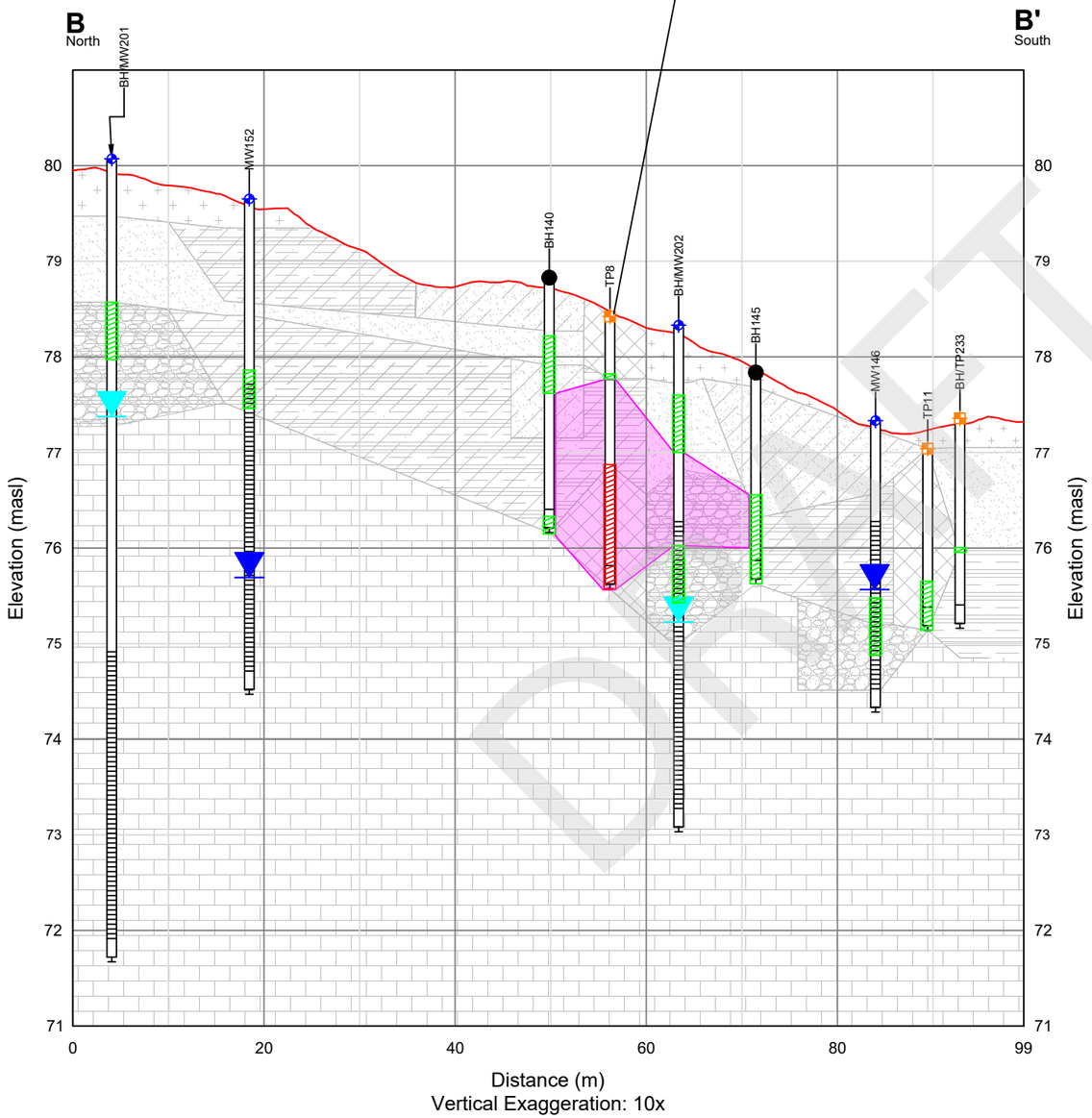
Sample location			TP8-1	TP8-3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-27	2012-Nov-27
			0.0 - 0.6	1.5 - 2.8
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	65	<10	8304
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	150	<10	1160



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Sandy Gravel
- Groundwater Elevation (July, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 12 24 Metres
1:600

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impact to Soil - PHCs Cross-Section B-B'

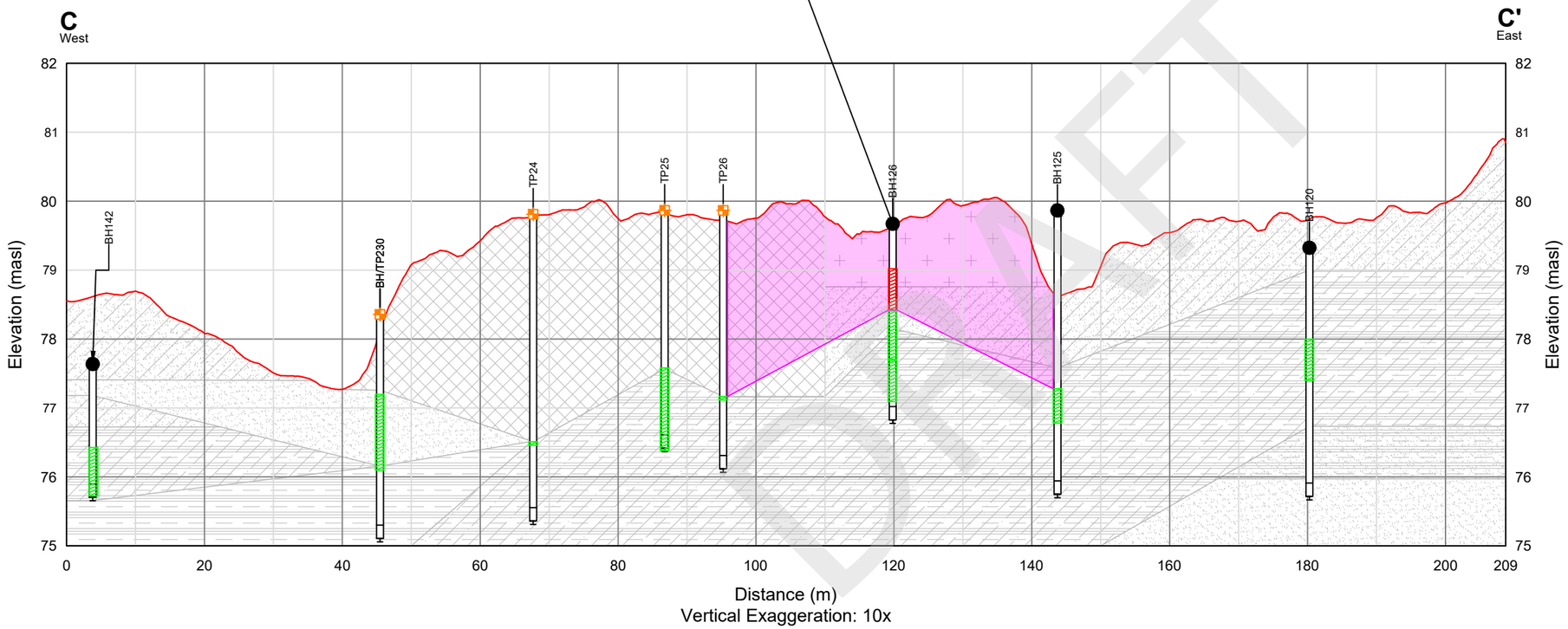
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-4c	0

C:\SP\Blumetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03\220509-Bakelite-RSC2.dwg

Sample location			BH126-SS2	BH126-SS3	BH126-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-25	2011-Jul-25	2011-Jul-25
			0.6 - 1.2	1.2 - 1.9	1.9 - 2.5
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	1300	1360	500	<20



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PHCs Cross-Section C-C'

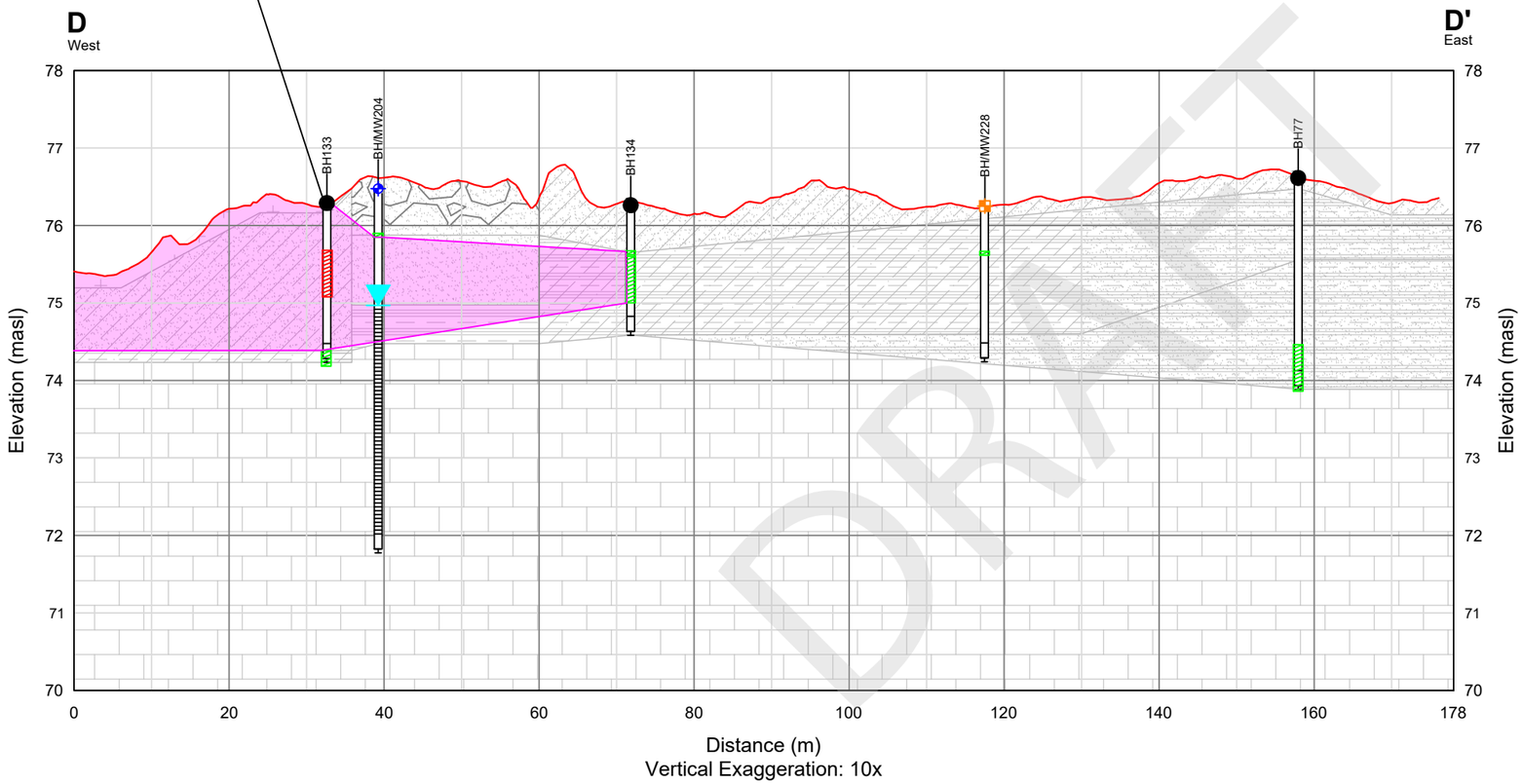
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-4d	0

C:\SP\Blumetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03\220509-Bakelite-RSC2.dwg

Sample location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6 - 1.2	1.9 - 2.1
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	65	430	<10



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PHCs Cross-Section D-D'

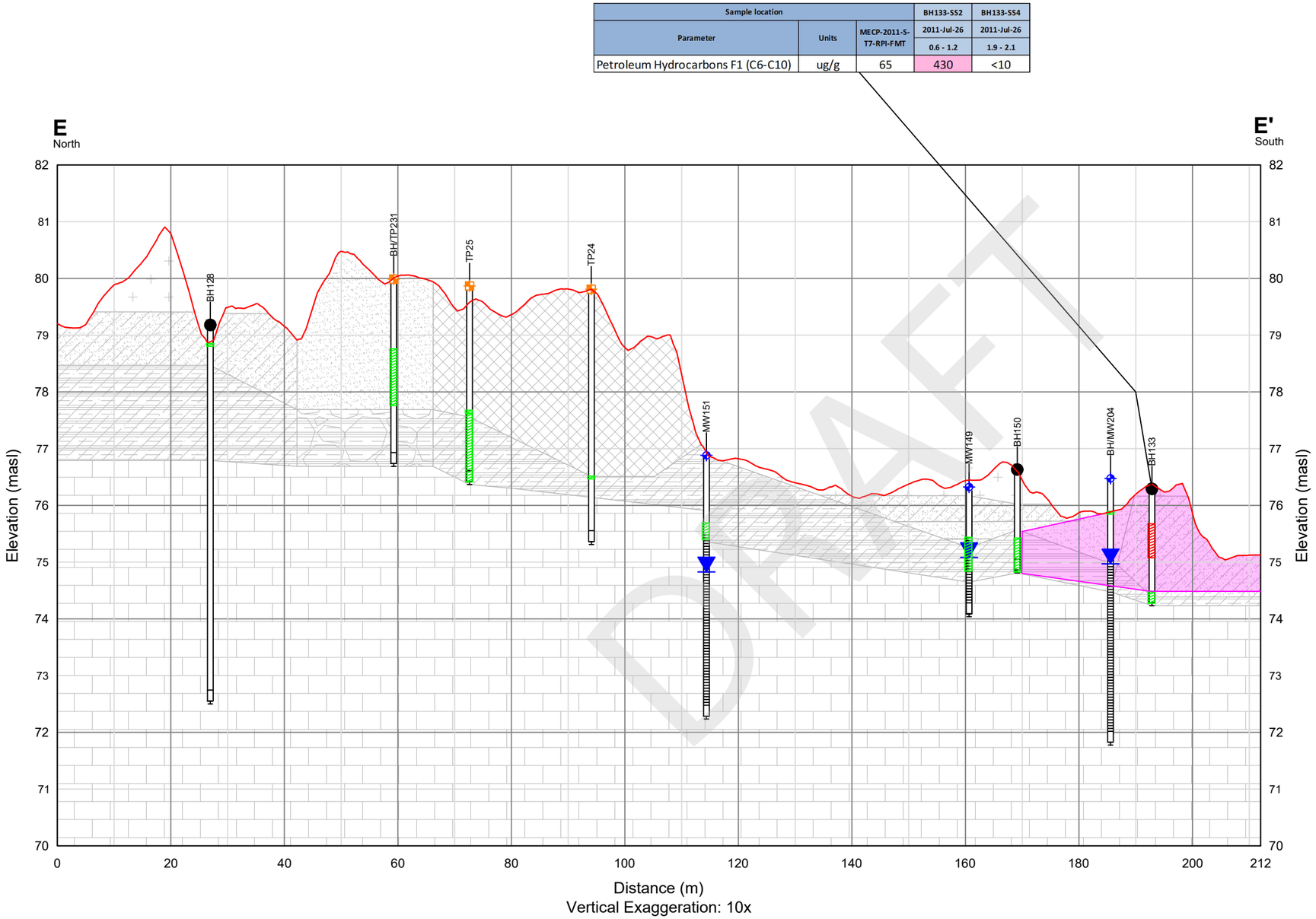
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-4e	0

C:\SP\Blumetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03\220509-Bakelite-RSC2.dwg

Sample location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6 - 1.2	1.9 - 2.1
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	65	430	<10



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Sandy Silty Clay
- Fill
- Clayey Gravel
- Groundwater Elevation (December, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PHCs Cross-Section E-E'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
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FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-4f	0

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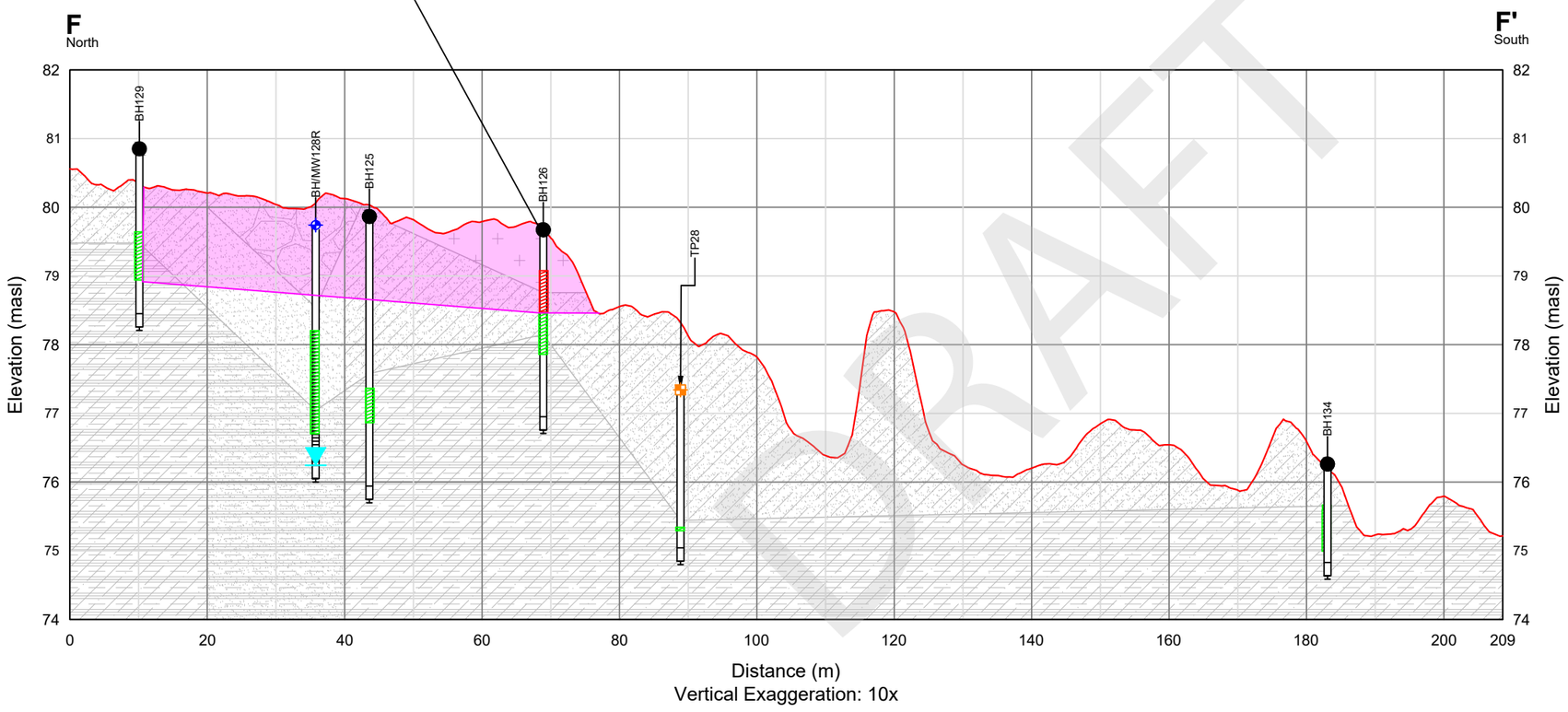
Sample location			BH126-SS2	BH126-SS3	BH126-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-25	2011-Jul-25	2011-Jul-25
			0.6 - 1.2	1.2 - 1.9	1.9 - 2.5
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	1300	1360	500	<20



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Sandy Gravel
- Groundwater Elevation (July, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

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N W E S

0 16 32 Metres
1:800

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PHCs Cross-Section F-F'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-4g	0

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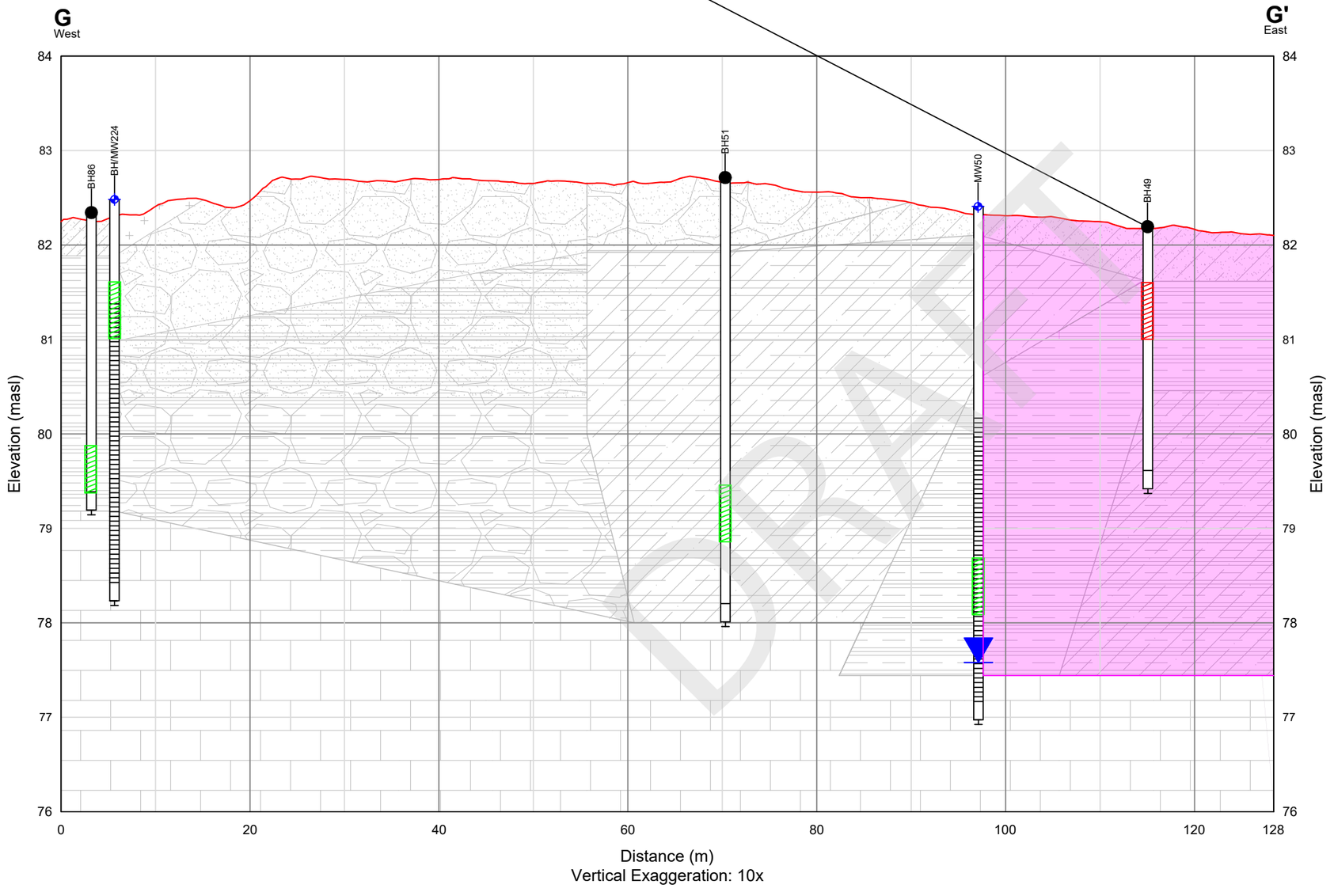
Sample location			BH49-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-05
			0.6 - 1.2
Petroleum Hydrocarbons F4G-SG (GHH-Silica)	ug/g	5600	9400



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Sandy Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

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N W E S

0 10 20 Metres
1:500

CLIENT

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PHCs Cross-Section G-G'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-4h	0

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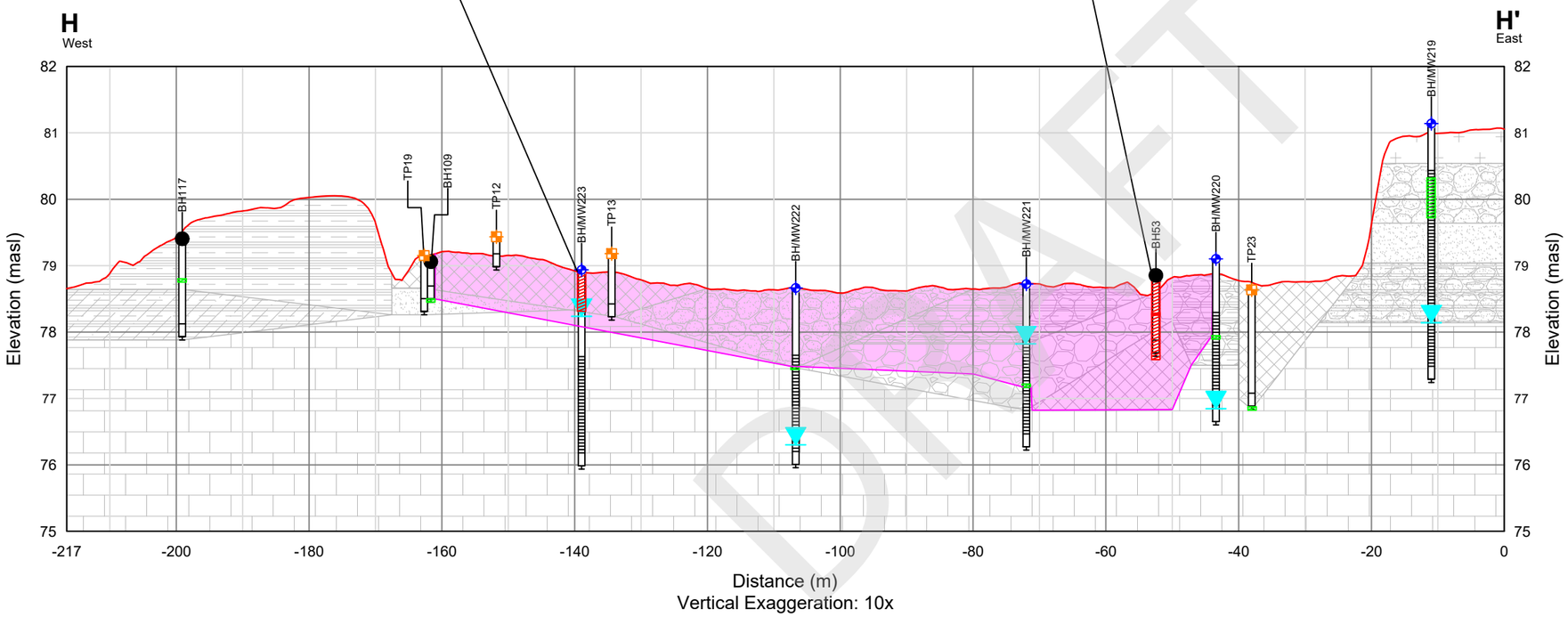
Sample location			BH223 SS1	BH223 SS1-DUP (BH223-SS1)
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-22	2022-Dec-22
			0.0 - 0.6	0.0 - 0.6
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	1300	3500	3500

Sample location			BH53-SS1	BH53-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-05	2011-Jul-05
			0.0 - 0.6	0.6 - 1.3
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	150	<100	1120
Petroleum Hydrocarbons F4G-SG (GHH-	ug/g	5600	12900	1200



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Fill
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Sandy Gravel
- Sandy Clayey Gravel
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PAHs Cross-Section H-H'

1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
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DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-5g	0

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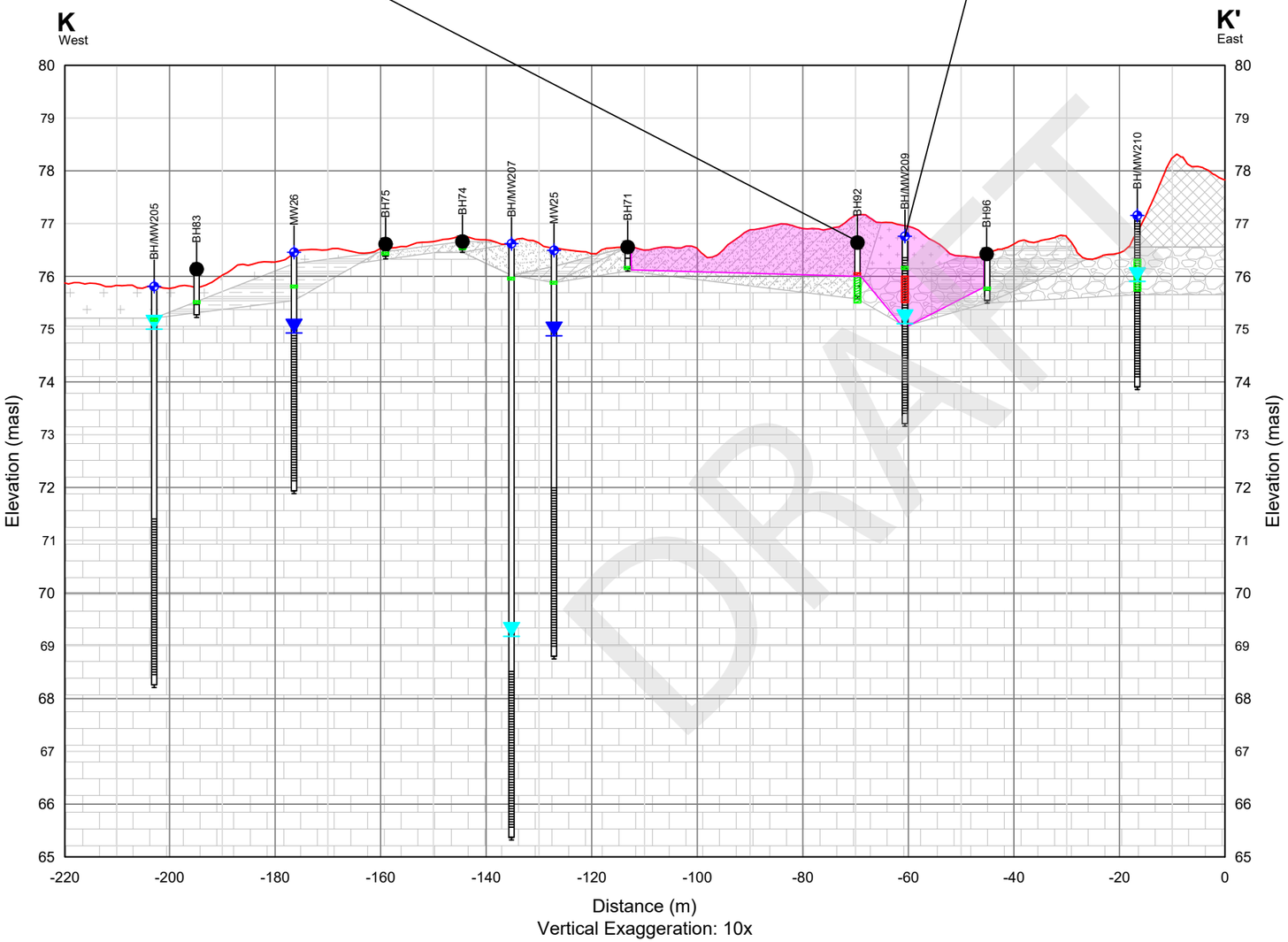
Sample location			BH92-SS1	BH92-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14
			0.0 - 0.6	0.6 - 1.1
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	1300	1620	150

Sample location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.0 - 0.6	0.8 - 1.4
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	150	36	713
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	1300	488	6280



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

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0 20 40 Metres
1:1000

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PHCs Cross-Section K-K'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
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PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-4j	0

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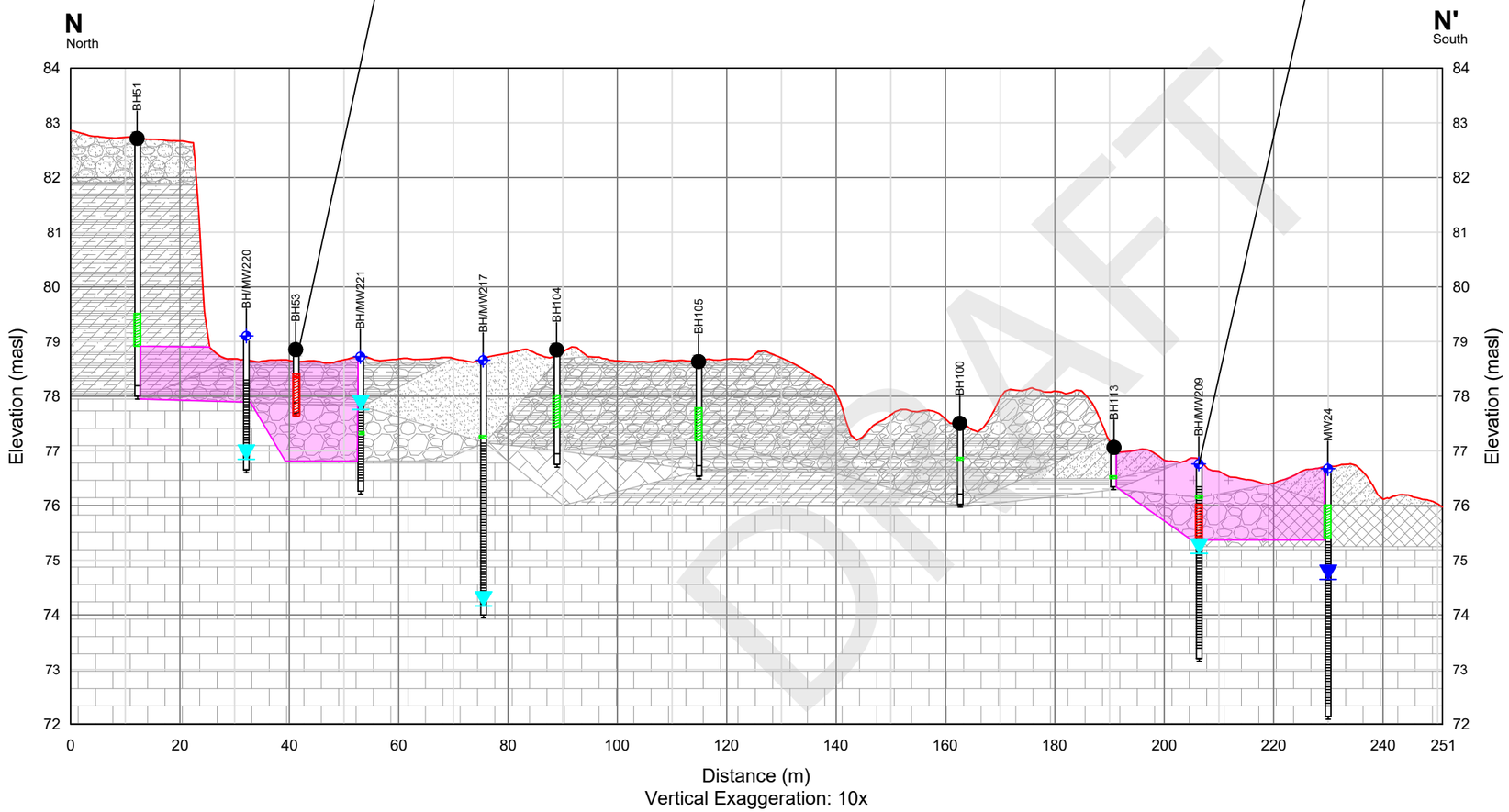
Sample location			BH53-SS1	BH53-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-05	2011-Jul-05
			0.0 - 0.6	0.6 - 1.3
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	150	<100	1120
Petroleum Hydrocarbons F4G-SG (GHH-Silica)	ug/g	5600	12900	1200

Sample location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.0 - 0.6	0.8 - 1.4
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	150	36	713
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	1300	488	6280



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Silty Clayey Gravel
- Shale
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

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Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PHCs Cross-Section N-N'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-4k	0

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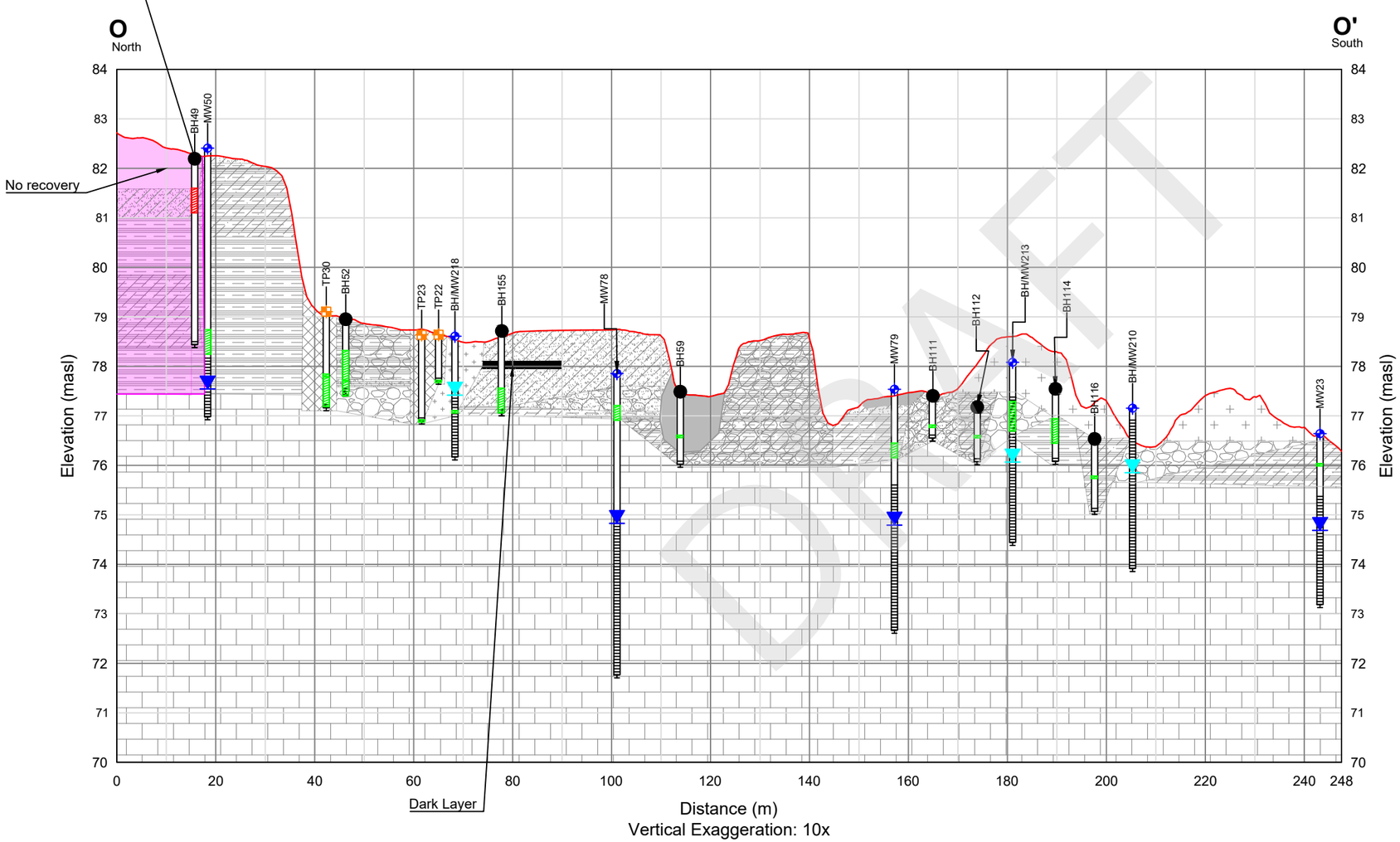
Sample location			BH49-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-05
			0.6 - 1.2
Petroleum Hydrocarbons F4G-SG (GHH-Silica)	ug/g	5600	9400



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Asphalt
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20 40 Metres
1:1000

N W E S

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PHCs Cross-Section O-O'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
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PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-4l	0

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Sample Location			TP13-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28 0.0 - 1
Acenaphthylene	ug/g	0.17	4.4
Anthracene	ug/g	0.74	45.7
Benzo[a]anthracene	ug/g	0.63	91.1
Benzo[a]pyrene	ug/g	0.3	74.6
Benzo[b]fluoranthene	ug/g	0.78	67.2
Benzo[g,h,i]perylene	ug/g	7.8	37.2
Benzo[k]fluoranthene	ug/g	0.78	63.4
Chrysene	ug/g	7.8	87.2
Dibenzo[a,h]anthracene	ug/g	0.1	11.7
Fluoranthene	ug/g	0.69	197
Indeno[1,2,3-cd]pyrene	ug/g	0.48	40.1
Methylnaphthalene, 1+2-	ug/g	3.4	8.3
Methylnaphthalene, 2-	ug/g	3.4	5
Naphthalene	ug/g	0.75	19.5
Phenanthrene	ug/g	7.8	167
Pyrene	ug/g	78	165

Sample Location			BH223 SS1	BH223 SS1-DUP (BH223-SS1)
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22 0.0 - 0.6	2022-Dec-22 0.0 - 0.6
Acenaphthylene	ug/g	0.17	0.48	0.53
Anthracene	ug/g	0.74	22.3	21.3
Benzo[a]anthracene	ug/g	0.63	36	24
Benzo[a]pyrene	ug/g	0.3	27.8	22.8
Benzo[b]fluoranthene	ug/g	0.78	54.6	35.9
Benzo[g,h,i]perylene	ug/g	7.8	10.4	11.8
Benzo[k]fluoranthene	ug/g	0.78	20.2	20.9
Chrysene	ug/g	7.8	38	27.9
Dibenzo[a,h]anthracene	ug/g	0.1	1.72	2.41
Fluoranthene	ug/g	0.69	105	90.7
Indeno[1,2,3-cd]pyrene	ug/g	0.48	10.9	11.8
Methylnaphthalene, 1+2-	ug/g	3.4	4.07	3.11
Naphthalene	ug/g	0.75	5.23	5.26
Phenanthrene	ug/g	7.8	95.5	66.8
Pyrene	ug/g	78	94.7	73.3

Sample Location			BH53-SS1	BH53-SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-05 0.0 - 0.6	2011-Jul-05 0.6 - 1.3
Benzo[a]anthracene	ug/g	0.63	<0.1	5.3
Benzo[a]pyrene	ug/g	0.3	<0.1	4.5
Benzo[b]fluoranthene	ug/g	0.78	<0.1	6.8
Benzo[k]fluoranthene	ug/g	0.78	<0.1	4.7
Fluoranthene	ug/g	0.69	1	12.8
Indeno[1,2,3-cd]pyrene	ug/g	0.48	<0.1	3.7
Phenanthrene	ug/g	7.8	1.9	8.9

Sample Location			BH221 SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22 0.0 - 1.5
Fluoranthene	ug/g	0.69	0.84

Sample Location			BH220 SS1	BH220 SS1-DUP (BH220-SS1)
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22 0.0 - 1.2	2022-Dec-22 0.0 - 1.2
Anthracene	ug/g	0.74	7.19	4.29
Benzo[a]anthracene	ug/g	0.63	4.32	3.01
Benzo[a]pyrene	ug/g	0.3	1.9	1.57
Benzo[b]fluoranthene	ug/g	0.78	7.59	5.92
Benzo[k]fluoranthene	ug/g	0.78	3.12	2.28
Dibenzo[a,h]anthracene	ug/g	0.1	0.58	0.48
Fluoranthene	ug/g	0.69	29.6	22.8
Indeno[1,2,3-cd]pyrene	ug/g	0.48	3.58	3.27
Phenanthrene	ug/g	7.8	21.5	18

Sample Location			TP12-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28 0.0 - 0.5
Anthracene	ug/g	0.74	8.7
Benzo[a]anthracene	ug/g	0.63	26.4
Benzo[a]pyrene	ug/g	0.3	25.1
Benzo[b]fluoranthene	ug/g	0.78	24.2
Benzo[g,h,i]perylene	ug/g	7.8	12
Benzo[k]fluoranthene	ug/g	0.78	19.3
Chrysene	ug/g	7.8	26.3
Dibenzo[a,h]anthracene	ug/g	0.1	4.8
Fluoranthene	ug/g	0.69	53.2
Indeno[1,2,3-cd]pyrene	ug/g	0.48	11.4
Naphthalene	ug/g	0.75	1
Phenanthrene	ug/g	7.8	39.3

Sample Location			TP19-1	TP19-2
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28 0.0 - 0.5	2012-Nov-28 0.5 - 0.9
Acenaphthylene	ug/g	0.17	2	<0.05
Anthracene	ug/g	0.74	69	0.07
Benzo[a]anthracene	ug/g	0.63	128	0.13
Benzo[a]pyrene	ug/g	0.3	135	0.14
Benzo[b]fluoranthene	ug/g	0.78	118	0.12
Benzo[g,h,i]perylene	ug/g	7.8	83	0.09
Benzo[k]fluoranthene	ug/g	0.78	111	0.12
Chrysene	ug/g	7.8	126	0.12
Dibenzo[a,h]anthracene	ug/g	0.1	40	<0.05
Fluoranthene	ug/g	0.69	222	0.36
Indeno[1,2,3-cd]pyrene	ug/g	0.48	80	0.08
Methylnaphthalene, 1+2-	ug/g	3.4	18	<0.1
Methylnaphthalene, 1-	ug/g	3.4	9	<0.05
Methylnaphthalene, 2-	ug/g	3.4	9	<0.05
Naphthalene	ug/g	0.75	18	0.05
Phenanthrene	ug/g	7.8	172	0.26
Pyrene	ug/g	78	198	0.29

Sample Location			BH109-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-18 0.0 - 0.6
Anthracene	ug/g	0.74	8.6
Benzo[a]anthracene	ug/g	0.63	19.3
Benzo[a]pyrene	ug/g	0.3	16.2
Benzo[b]fluoranthene	ug/g	0.78	16.8
Benzo[g,h,i]perylene	ug/g	7.8	8.7
Benzo[k]fluoranthene	ug/g	0.78	10
Chrysene	ug/g	7.8	18.7
Fluoranthene	ug/g	0.69	45.2
Indeno[1,2,3-cd]pyrene	ug/g	0.48	7.5
Phenanthrene	ug/g	7.8	34.7

Sample Location			TP14-1	TP14-2
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28 0.0 - 1.1	2012-Nov-28 1.1 - 2.3
Acenaphthylene	ug/g	0.17	0.6	<0.5
Anthracene	ug/g	0.74	12.4	4.4
Benzo[a]anthracene	ug/g	0.63	38.5	10.9
Benzo[a]pyrene	ug/g	0.3	41.7	10.7
Benzo[b]fluoranthene	ug/g	0.78	34.3	9.6
Benzo[g,h,i]perylene	ug/g	7.8	27.4	7.8
Benzo[k]fluoranthene	ug/g	0.78	31.6	8.5
Chrysene	ug/g	7.8	39.7	10.8
Dibenzo[a,h]anthracene	ug/g	0.1	8.4	3.4
Fluoranthene	ug/g	0.69	81.2	27
Indeno[1,2,3-cd]pyrene	ug/g	0.48	24.5	7.2
Naphthalene	ug/g	0.75	2.5	1.1
Phenanthrene	ug/g	7.8	55	19.2

Sample Location			BH144-SS2	BH144-SS3
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-27 0.6 - 1.2	2011-Jul-27 1.2 - 1.8
Naphthalene	ug/g	0.75	8.6	32.8

Sample Location			BH145-SS1	BH145-SS4
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-28 1.2 - 1.9	2011-Jul-28 1.9 - 2.2
Naphthalene	ug/g	0.75	8.7	<0.05

Sample Location			BH198-SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-18 0.6 - 1.2
Fluoranthene	ug/g	0.69	1.9

Sample Location			TP17-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28 0.0 - 1.1
Anthracene	ug/g	0.74	0.92
Benzo[a]anthracene	ug/g	0.63	2.3
Benzo[a]pyrene	ug/g	0.3	2.48
Benzo[b]fluoranthene	ug/g	0.78	2.63
Benzo[k]fluoranthene	ug/g	0.78	1.35
Dibenzo[a,h]anthracene	ug/g	0.1	0.74
Fluoranthene	ug/g	0.69	4.76
Indeno[1,2,3-cd]pyrene	ug/g	0.48	1.69
Naphthalene	ug/g	0.75	0.8

Sample Location			BH214 SS2	BH214 SS3
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22 0.8 - 1.4	2022-Dec-22 1.5 - 2.1
Anthracene	ug/g	0.74	<0.05	1.06
Benzo[a]anthracene	ug/g	0.63	<0.05	1.74
Benzo[a]pyrene	ug/g	0.3	<0.05	1.57
Benzo[b]fluoranthene	ug/g	0.78	<0.05	2.48
Benzo[k]fluoranthene	ug/g	0.78	<0.05	1.32
Dibenzo[a,h]anthracene	ug/g	0.1	<0.05	0.13
Fluoranthene	ug/g	0.69	<0.05	4.32
Indeno[1,2,3-cd]pyrene	ug/g	0.48	<0.05	0.59

Sample Location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-26 0.6 - 1.2	2011-Jul-26 1.9 - 2.1
Anthracene	ug/g	0.74	0.9	<0.05
Benzo[a]anthracene	ug/g	0.63	1.6	<0.05
Benzo[a]pyrene	ug/g	0.3	1.2	<0.05
Benzo[b]fluoranthene	ug/g	0.78	1	<0.05
Benzo[k]fluoranthene	ug/g	0.78	0.8	<0.05
Fluoranthene	ug/g	0.69	4.2	<0.05
Indeno[1,2,3-cd]pyrene	ug/g	0.48	0.9	<0.05

Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-26 0.0 - 0.6	2011-Jul-26 0.6 - 1.2
Benzo[a]pyrene	ug/g	0.3	<5	0.6
Benzo[b]fluoranthene	ug/g	0.78	<5	1.2
Benzo[k]fluoranthene	ug/g	0.78	<5	1.1
Fluoranthene	ug/g	0.69	<5	0.7

Sample Location			TP18-1	TP18-2
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28 0.0 - 0.7	2012-Nov-28 0.7 - 1.2
Acenaphthylene	ug/g	0.17	0.6	<0.05
Anthracene	ug/g	0.74	6.9	0.35
Benzo[a]anthracene	ug/g	0.63	14.8	0.65
Benzo[a]pyrene	ug/g	0.3	15	0.62
Benzo[b]fluoranthene	ug/g	0.78	12.9	0.56
Benzo[g,h,i]perylene	ug/g	7.8	9.7	0.45
Benzo[k]fluoranthene	ug/g	0.78	12	0.5
Chrysene	ug/g	7.8	14.7	0.66
Dibenzo[a,h]anthracene	ug/g	0.1	3.5	0.11
Fluoranthene	ug/g	0.69	43	1.37
Indeno[1,2,3-cd]pyrene	ug/g	0.48	9	0.43
Naphthalene	ug/g	0.75	2.8	0.14
Phenanthrene	ug/g	7.8	36.7	1.23

Sample Location			BH88-SS2	BH88-SS3
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-13 0.6 - 0.8	2011-Jul-13 1.1 - 1.6
Anthracene	ug/g	0.74	0.4	1.6
Benzo[a]anthracene	ug/g	0.63	0.9	0.5
Benzo[a]pyrene	ug/g	0.3	0.9	0.4
Dibenzo[a,h]anthracene	ug/g	0.1	0.3	<0.1
Fluoranthene	ug/g	0.69	2.2	1.1
Indeno[1,2,3-cd]pyrene	ug/g	0.48	0.6	0.2

Sample Location			BH89-SS1	BH89-SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-13 0.4 - 1.0	2011-Jul-13 1.0 - 1.5
Anthracene	ug/g	0.74	28	4.9
Benzo[a]anthracene	ug/g	0.63	66	10.3
Benzo[a]pyrene	ug/g	0.3	72	7
Benzo[b]fluoranthene	ug/g	0.78	47	9.5
Benzo[g,h,i]perylene	ug/g	7.8	43	5.4
Benzo[k]fluoranthene	ug/g	0.78	47	6.8
Chrysene	ug/g	7.8	65	9
Dibenzo[a,h]anthracene	ug/g	0.1	26	<2
Fluoranthene	ug/g	0.69	153	10
Indeno[1,2,3-cd]pyrene	ug/g	0.48	39	5.1
Phenanthrene	ug/g	7.8	94	23.3
Pyrene	ug/g	78	131	6.5

Sample Location			BH/MW 25-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jun-24 0.0 - 0.6
Anthracene	ug/g	0.74	2.9
Benzo[a]anthracene	ug/g	0.63	6.3
Benzo[a]pyrene	ug/g	0.3	5.9
Benzo[b]fluoranthene	ug/g	0.78	4.6
Benzo[k]fluoranthene	ug/g	0.78	3.6
Dibenzo[a,h]anthracene	ug/g	0.1	2.1
Fluoranthene	ug/g	0.69	16.6
Indeno[1,2,3-cd]pyrene	ug/g	0.48	3.8
Phenanthrene	ug/g	7.8	9.2

Sample Location			BH211 SS1	BH211 SS3
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-15 0.0 - 0.6	2022-Dec-15 1.5 - 2.1
Benzo[a]anthracene	ug/g	0.63	1.04	<0.05
Benzo[a]pyrene	ug/g	0.3	1.2	<0.05
Benzo[b]fluoranthene	ug/g	0.78	2	<0.05
Benzo[k]fluoranthene	ug/g	0.78	1.1	<0.05
Fluoranthene	ug/g	0.69	2.29	<0.05
Indeno[1,2,3-cd]pyrene	ug/g	0.48	0.55	<0.05

Sample Location			BH16-SS2	BH16-SS3
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jun-22 0.6 - 1.2	2011-Jun-22 1.2 - 1.6
Benzo[a]pyrene	ug/g	0.3	0.4	0.3
Fluoranthene	ug/g	0.69	1.1	0.6

Sample Location			BH113-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-20 0.0 - 0.6
Methylnaphthalene, 1+2-	ug/g	3.4	5.3
Naphthalene	ug/g	0.75	1.6

Sample Location			BH92-SS1	BH92-SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-14 0.0 - 0.6	2011-Jul-14 0.6 - 1.1
Phenanthrene	ug/g	7.8	0.5	94
Pyrene	ug/g	78	0.2	131

Sample Location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-19 0.0 - 0.6	2022-Dec-19 0.8 - 1.4
Methylnaphthalene, 1+2-	ug/g	3.4	2.28	7.33
Naphthalene	ug/g	0.75	0.41	1.84

Sample Location			TP30-1	TP30-2
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-29 0.0 - 1.3	2012-Nov-29 1.3 - 2.0
Acenaphthylene	ug/g	0.17	1.1	<1
Anthracene	ug/g	0.74	36.6	5
Benzo[a]anthracene	ug/g	0.63	74	9
Benzo[a]pyrene	ug/g	0.3	75.2	9
Benzo[b]fluoranthene	ug/g	0.78	63.4	8
Benzo[g,h,i]perylene	ug/g	7.8	47.3	6
Benzo[k]fluoranthene	ug/g	0.78	56.9	7
Chrysene	ug/g	7.8	74.2	9
Dibenzo[a,h]anthracene	ug/g	0.1	12.1	2
Fluoranthene	ug/g	0.69	230	21
Indeno[1,2,3-cd]pyrene	ug/g	0.48	39.8	5
Methylnaphthalene, 1+2-	ug/g	3.4	5.8	<2
Naphthalene	ug/g	0.75	4.8	<1
Phenanthrene	ug/g	7.8	154	10
Pyrene	ug/g	78	203	18

Sample Location			BH52-SS2	BH52-SS3
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-05 0.6 - 1.2	2011-Jul-05 1.2 - 1.5
Anthracene	ug/g	0.74	<0.1	3.8
Benzo[a]anthracene	ug/g	0.63	<0.1	7.4
Benzo[a]pyrene	ug/g	0.3	0.1	6.1
Benzo[b]fluoranthene	ug/g	0.78	<0.1	8.9
Benzo[k]fluoranthene	ug/g	0.78	0.1	4.6
Fluoranthene	ug/g	0.69	0.2	21.8
Indeno[1,2,3-cd]pyrene	ug/g	0.48	<0.1	4.1
Naphthalene	ug/g	0.75	1.53	4.6
Phenanthrene	ug/g	7.8	0.2	16.9

Sample Location			TP23-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28 0.0 - 1.8
Benzo[a]anthracene	ug/g	0.63	1.67
Benzo[a]pyrene	ug/g	0.3	1.82
Benzo[b]fluoranthene	ug/g	0.78	1.63
Dibenzo[a,h]anthracene	ug/g	0.1	0.27
Fluoranthene	ug/g	0.69	4.16
Indeno[1,2,3-cd]pyrene	ug/g	0.48	0.85

Sample Location			BH218 SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22 0.0 - 1.5
Fluoranthene	ug/g	0.69	0.7

Sample Location			BH216 SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22 0.0 - 0.6
Acenaphthylene	ug/g	0.17	0.36
Anthracene	ug/g	0.74	5.84
Benzo[a]anthracene	ug/g	0.63	12.9
Benzo[a]pyrene	ug/g	0.3	10.3
Benzo[b]fluoranthene	ug/g	0.78	11.9
Benzo[k]fluoranthene	ug/g	0.78	5.08
Chrysene	ug/g	7.8	10.9
Dibenzo[a,h]anthracene	ug/g	0.1	1.29
Fluoranthene	ug/g	0.69	41.2
Indeno[1,2,3-cd]pyrene	ug/g	0.48	6.14
Naphthalene	ug/g	0.75	0.82
Phenanthrene	ug/g	7.8	29.1

Sample Location			TP15-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28 0.0 - 2.5
Anthracene	ug/g	0.74	8.6
Benzo[a]anthracene	ug/g	0.63	20
Benzo[a]pyrene	ug/g	0.3	19.7
Benzo[b]fluoranthene	ug/g	0.78	16.3
Benzo[g,h,i]perylene	ug/g	7.8	12.3
Benzo[k]fluoranthene	ug/g	0.78	13.6
Chrysene	ug/g	7.8	20.2
Dibenzo[a,h]anthracene	ug/g	0.1	5.3
Fluoranthene	ug/g	0.69	36.2
Indeno[1,2,3-cd]pyrene	ug/g	0.48	11.6
Naphthalene	ug/g	0.75	1
Phenanthrene	ug/g	7.8	25.7

Sample Location			TP16-2	TP16-3
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28 0.5 - 1.1	2012-Nov-28 1.1 - 2.1
Acenaphthylene	ug/g	0.17	1.8	<0.05
Anthracene	ug/g	0.74	7.9	0.1
Benzo[a]anthracene	ug/g	0.63	28.8	0.33
Benzo[a]pyrene	ug/g	0.3	31.2	0.35
Benzo[b]fluoranthene	ug/g	0.78	30	0.31
Benzo[g,h,i]perylene	ug/g	7.8	19.4	0.25
Benzo[k]fluoranthene	ug/g	0.78	23.3	0.28
Chrysene	ug/g	7.8	28.3	0.34
Dibenzo[a,h]anthracene	ug/g	0.1	5.8	0.1
Fluoranthene	ug/g	0.69	60.9	0.78
Indeno[1,2,3-cd]pyrene	ug/g	0.48	13.6	0.22
Naphthalene	ug/g	0.75	3.3	<0.05
Phenanthrene	ug/g	7.8	41.3	0.51

Sample Location			BH101-SS3
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-18 1.5 - 2.2
Methylnaphthalene, 1+2-	ug/g	3.4	11.4
Methylnaphthalene, 1-	ug/g	3.4	5.1
Methylnaphthalene, 2-	ug/g	3.4	6.3
Naphthalene	ug/g	0.75	3.8

Sample Location			BH/MW 79-SS1	BH/MW 79-SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-08 0.3 - 1.1	2011-Jul-11 1.1 - 1.4
Acenaphthylene	ug/g	0.17	0.3	0.1
Anthracene	ug/g	0.74	1.5	0.8
Benzo[a]anthracene	ug/g	0.63	<0.05	1.6
Benzo[a]pyrene	ug/g	0.3	3.2	1.2
Benzo[b]fluoranthene	ug/g	0.78	7.5	1.6
Benzo[k]fluoranthene	ug/g	0.78	2.8	0.9
Dibenzo[a,h]anthracene	ug/g	0.1	1	0.2
Fluoranthene	ug/g	0.69	4.3	3.5
Indeno[1,2,3-cd]pyrene	ug/g	0.48	0.4	0.5

Sample Location			BH111-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-19 0.0 - 0.6
Fluoranthene	ug/g	0.69	0.8

Sample Location			BH210 SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-19 0.8 - 1.4
Anthracene	ug/g	0.74	1
Benzo[a]anthracene	ug/g	0.63	1.38
Benzo[a]pyrene	ug/g	0.3	1.39
Benzo[b]fluoranthene	ug/g	0.78	2.04
Benzo[k]fluoranthene	ug/g	0.78	1.13
Fluoranthene	ug/g	0.69	3.73
Indeno[1,2,3-cd]pyrene	ug/g	0.48	0.51

LEGEND

- Borehole
- Monitoring Well
- Test Pit
- Sample result below applicable SCS
- Sample result above applicable SCS
- Sample location not tested for parameter
- Contamination Plume
- Cross Section Alignment
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N, W, E, S

0 30 60 Metres

1:3,000

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Soil - PAHs

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-5a	2

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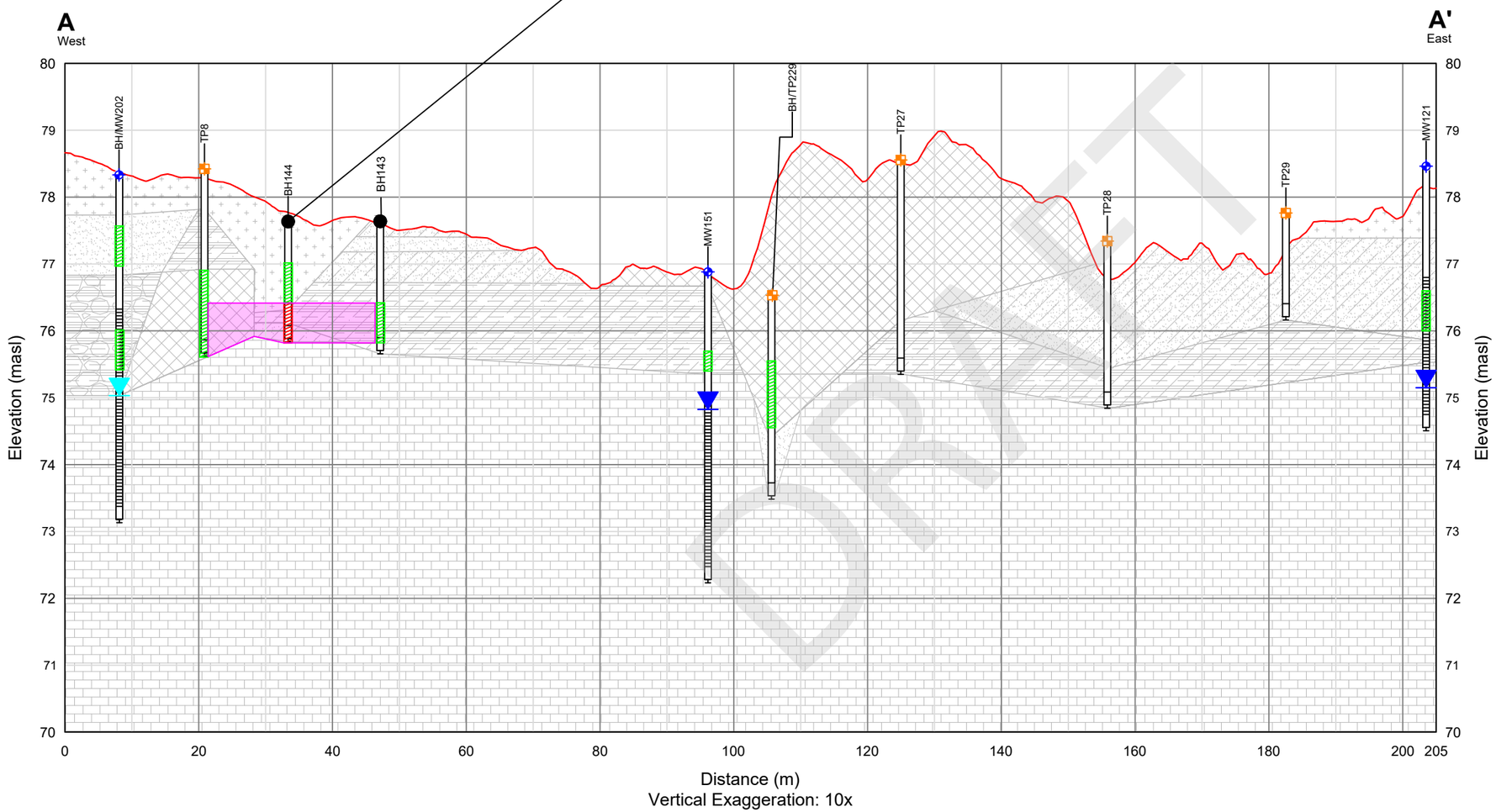
Sample Location			BH144-SS2	BH144-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-27	2011-Jul-27
			0.6 - 1.2	1.2 - 1.8
Naphthalene	ug/g	0.75	0.6	32.8



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PAHs Cross-Section A-A'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-5b	0

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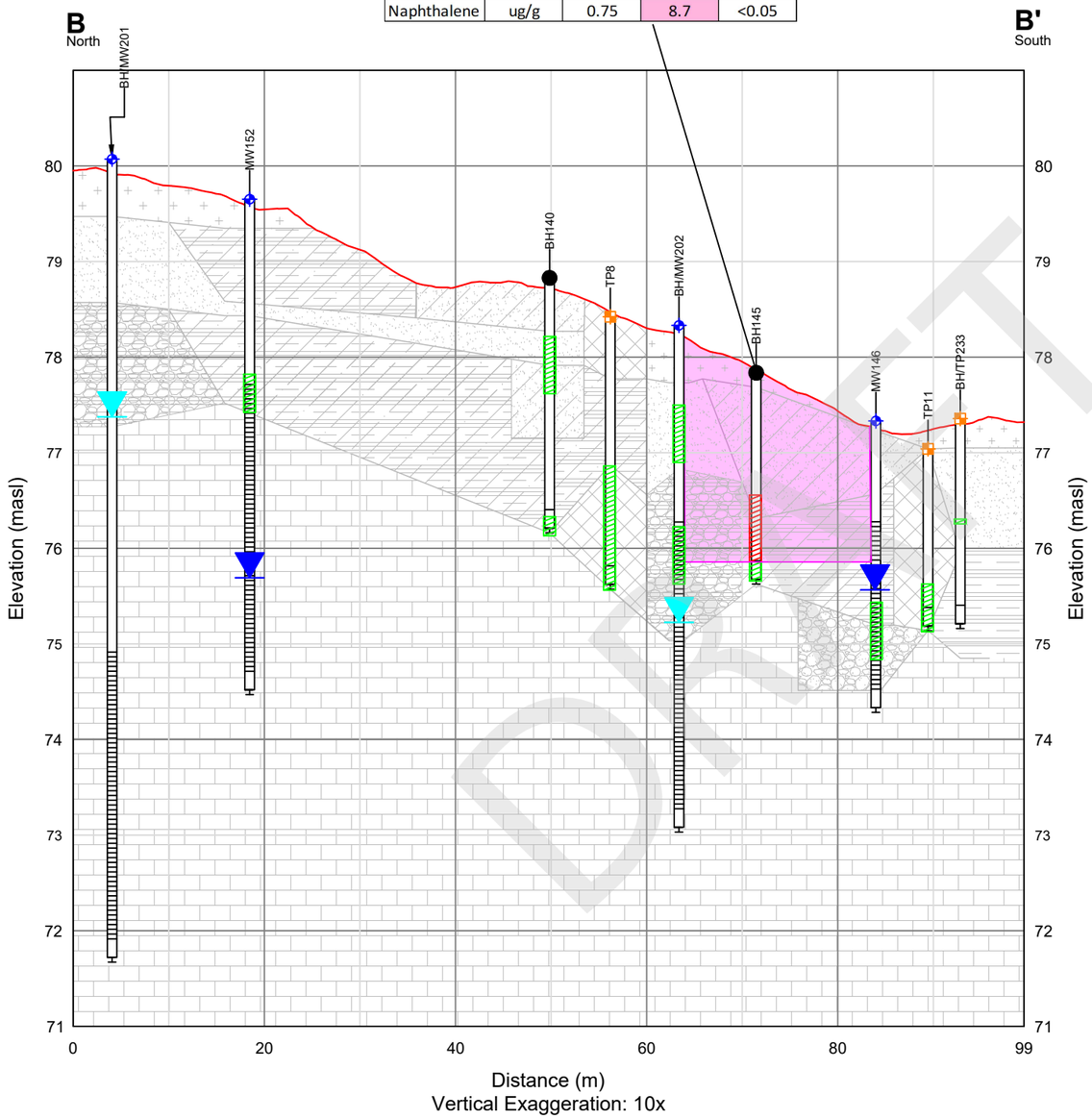
Sample Location			BH145-SS3	BH145-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-28	2011-Jul-28
			1.2 - 1.9	1.9 - 2.2
Naphthalene	ug/g	0.75	8.7	<0.05



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Sandy Gravel
- Groundwater Elevation (July, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 12 24 Metres
1:600

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impact to Soil - PAHs Cross-Section B-B'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-5c	0

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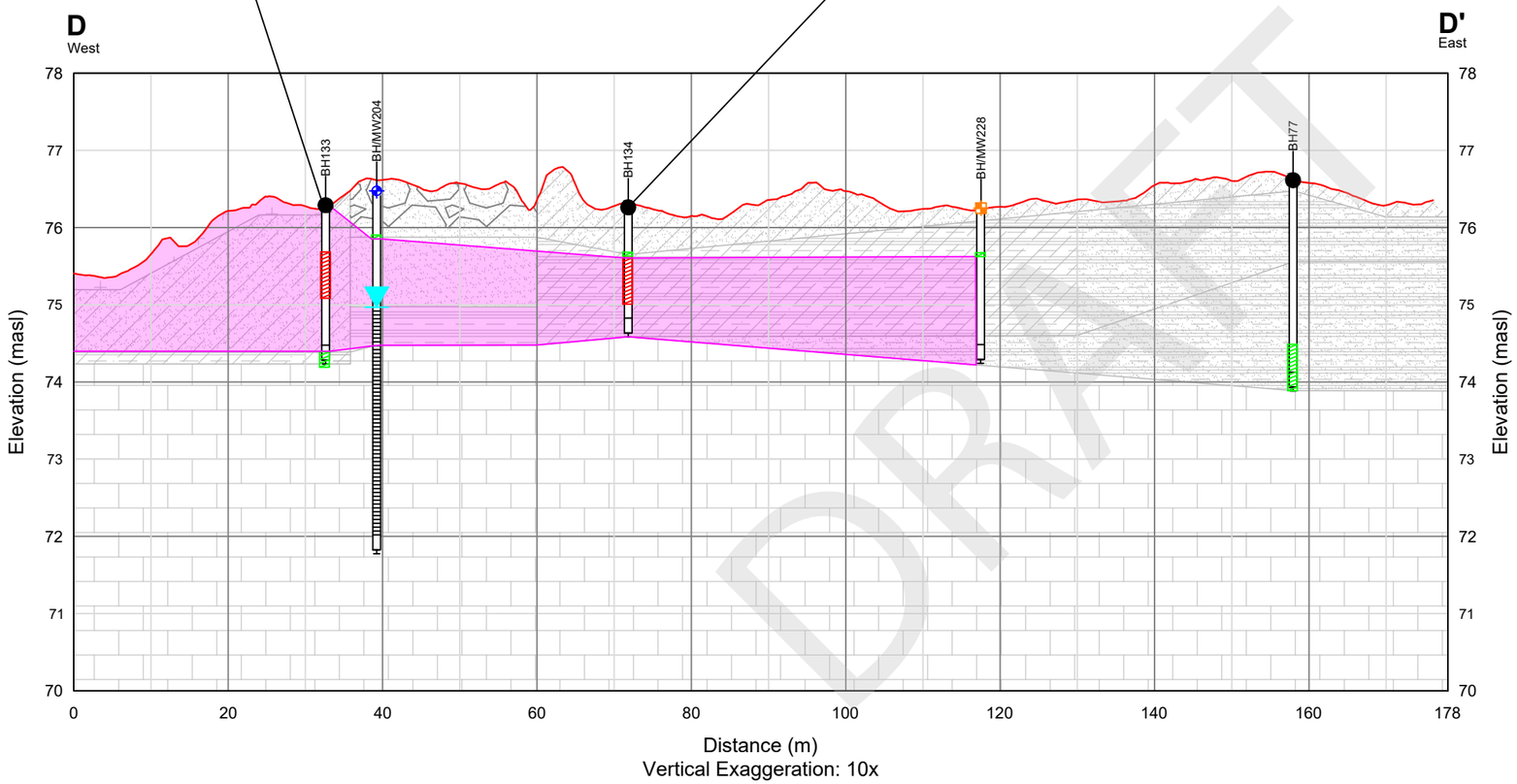
Sample Location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6 - 1.2	1.9 - 2.1
Anthracene	ug/g	0.74	0.9	<0.05
Benzo[a]anthracene	ug/g	0.63	1.6	<0.05
Benzo[a]pyrene	ug/g	0.3	1.2	<0.05
Benzo[b]fluoranthene	ug/g	0.78	1	<0.05
Benzo[k]fluoranthene	ug/g	0.78	0.8	<0.05
Fluoranthene	ug/g	0.69	4.2	<0.05
Indeno[1,2,3-cd]pyrene	ug/g	0.48	0.9	<0.05

Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.0 - 0.6	0.6 - 1.2
Benzo[a]pyrene	ug/g	0.3	<5	0.6
Benzo[b]fluoranthene	ug/g	0.78	<5	1.2
Benzo[k]fluoranthene	ug/g	0.78	<5	1.1
Fluoranthene	ug/g	0.69	<5	0.7



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PAHs Cross-Section D-D'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-5d	0

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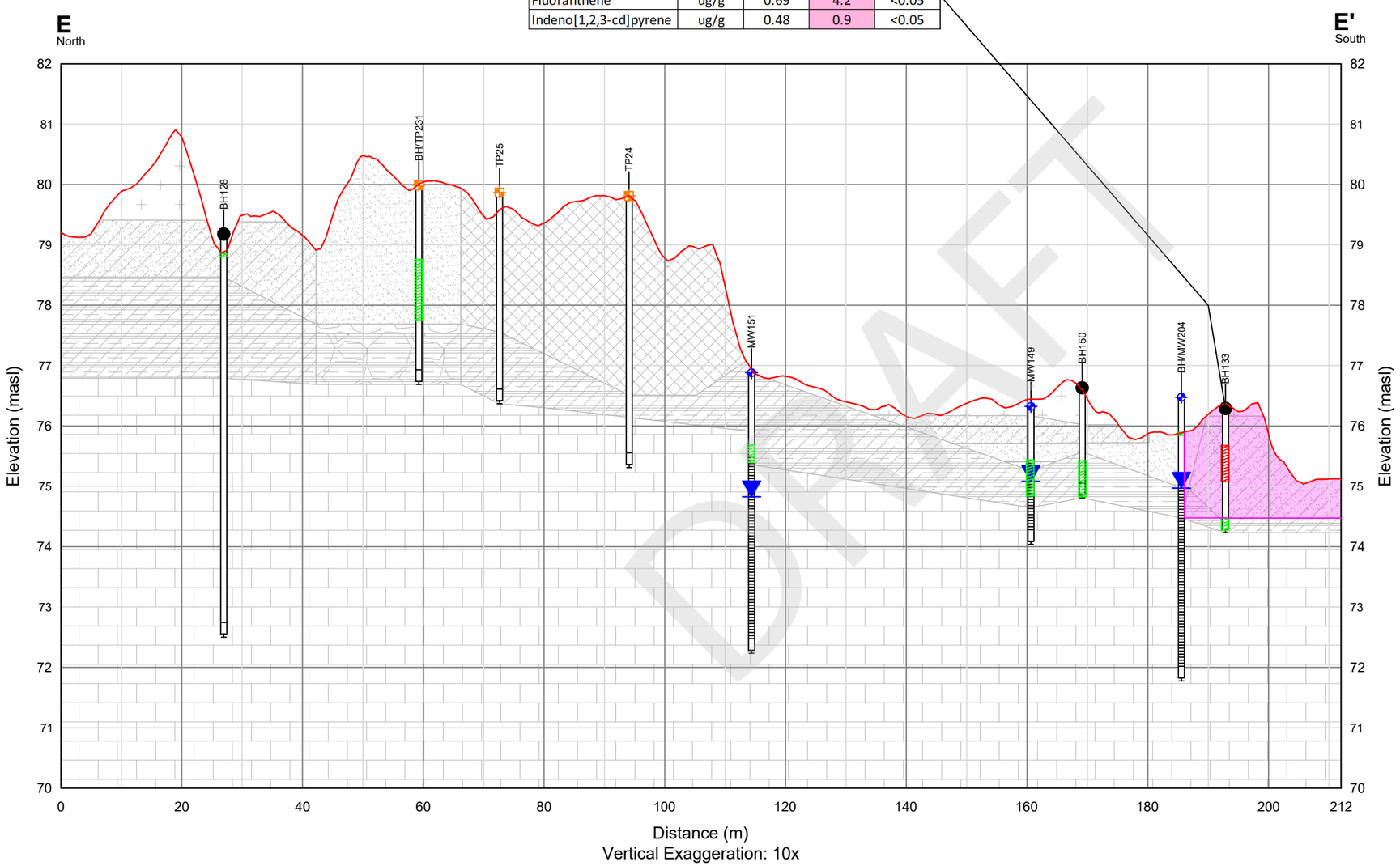
Sample Location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6 - 1.2	1.9 - 2.1
Anthracene	ug/g	0.74	0.9	<0.05
Benzo[a]anthracene	ug/g	0.63	1.6	<0.05
Benzo[a]pyrene	ug/g	0.3	1.2	<0.05
Benzo[b]fluoranthene	ug/g	0.78	1	<0.05
Benzo[k]fluoranthene	ug/g	0.78	0.8	<0.05
Fluoranthene	ug/g	0.69	4.2	<0.05
Indeno[1,2,3-cd]pyrene	ug/g	0.48	0.9	<0.05



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Sandy Silty Clay
- Fill
- Clayey Gravel
- Groundwater Elevation (December, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PAHs Cross-Section E-E'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-5e	0

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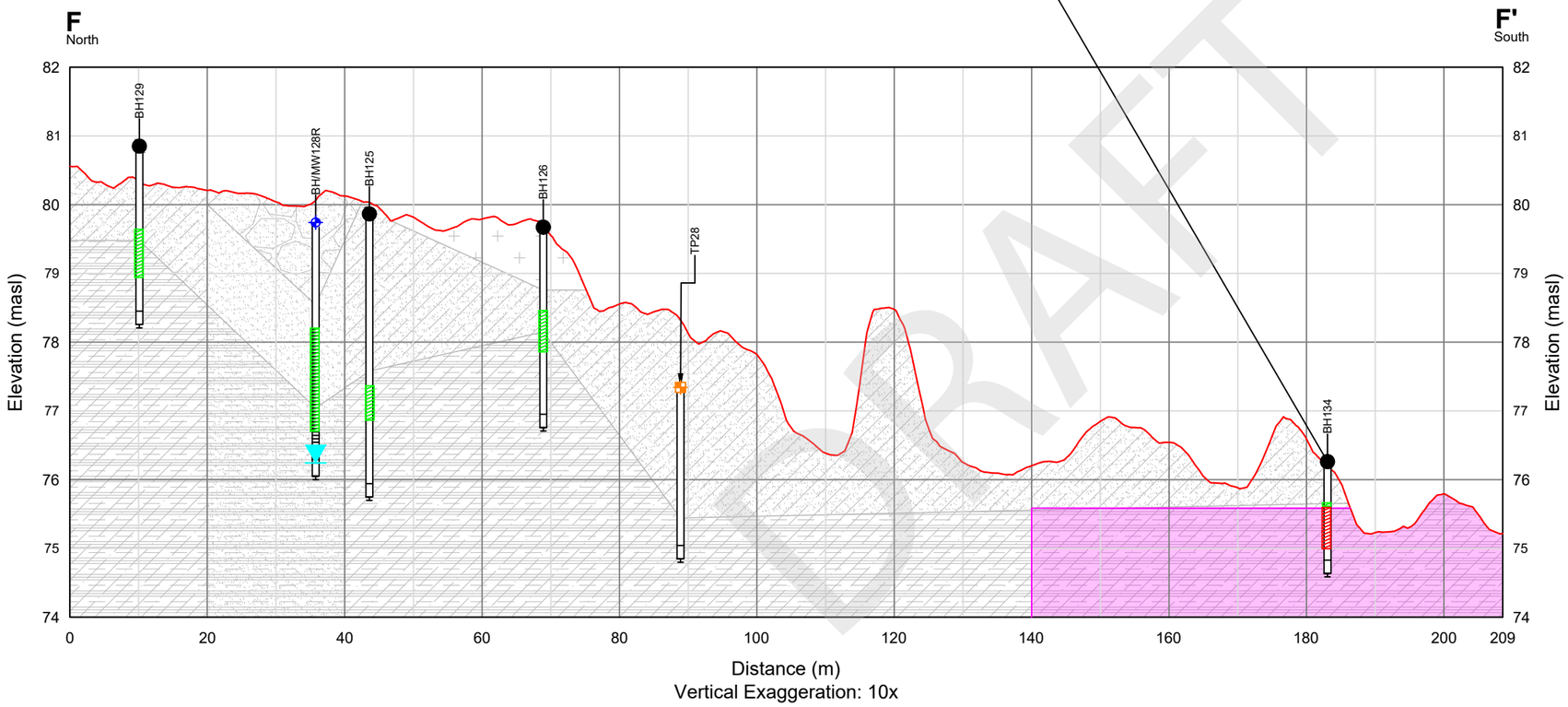
Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.0 - 0.6	0.6 - 1.2
Benzo[a]pyrene	ug/g	0.3	<5	0.6
Benzo[b]fluoranthene	ug/g	0.78	<5	1.2
Benzo[k]fluoranthene	ug/g	0.78	<5	1.1
Fluoranthene	ug/g	0.69	<5	0.7



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Sandy Gravel
- Groundwater Elevation (July, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PAHs Cross-Section F-F'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-5f	0

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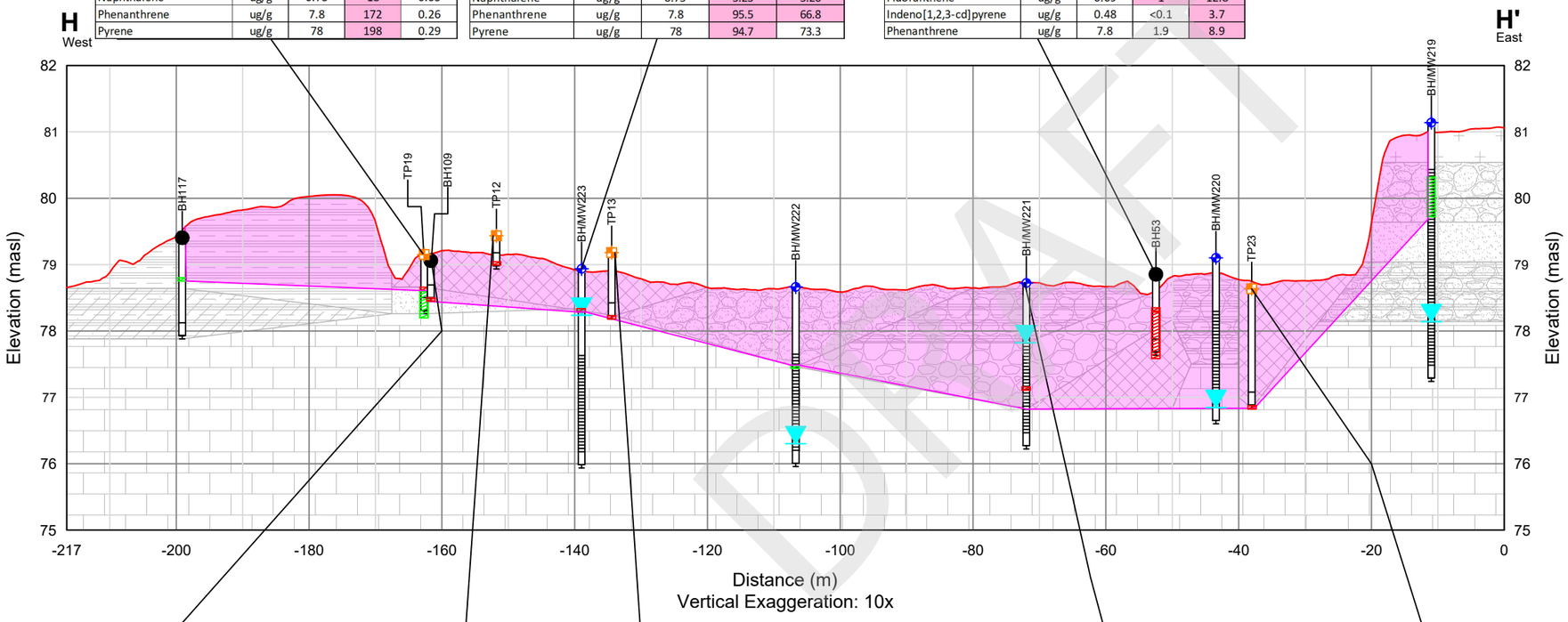
Sample Location			TP19-1	TP19-2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-28	2012-Nov-28
			0.0 - 0.5	0.5 - 0.9
Acenaphthylene	ug/g	0.17	2	<0.05
Anthracene	ug/g	0.74	69	0.07
Benzo[a]anthracene	ug/g	0.63	128	0.13
Benzo[a]pyrene	ug/g	0.3	135	0.14
Benzo[b]fluoranthene	ug/g	0.78	118	0.12
Benzo[g,h,i]perylene	ug/g	7.8	83	0.09
Benzo[k]fluoranthene	ug/g	0.78	111	0.12
Chrysene	ug/g	7.8	126	0.12
Dibenzo[a,h]anthracene	ug/g	0.1	40	<0.05
Fluoranthene	ug/g	0.69	222	0.36
Indeno[1,2,3-cd]pyrene	ug/g	0.48	80	0.08
Methylnaphthalene, 1+2-	ug/g	3.4	18	<0.1
Methylnaphthalene, 1-	ug/g	3.4	9	<0.05
Methylnaphthalene, 2-	ug/g	3.4	9	<0.05
Naphthalene	ug/g	0.75	18	0.05
Phenanthrene	ug/g	7.8	172	0.26
Pyrene	ug/g	78	198	0.29

Sample Location			BH223 SS1	BH223 SS1-DUP (BH223-SS1)
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22	2022-Dec-22
			0.6	0.6
Acenaphthylene	ug/g	0.17	0.48	0.53
Anthracene	ug/g	0.74	22.3	21.3
Benzo[a]anthracene	ug/g	0.63	36	24
Benzo[a]pyrene	ug/g	0.3	27.8	22.8
Benzo[b]fluoranthe	ug/g	0.78	54.6	35.9
Benzo[g,h,i]peryler	ug/g	7.8	10.4	11.8
Benzo[k]fluoranthe	ug/g	0.78	20.2	20.9
Chrysene	ug/g	7.8	38	27.9
Dibenzo[a,h]anthra	ug/g	0.1	1.72	2.41
Fluoranthene	ug/g	0.69	105	90.7
Indeno[1,2,3-cd]pyr	ug/g	0.48	10.9	11.8
Methylnaphthalene	ug/g	3.4	4.07	3.11
Naphthalene	ug/g	0.75	5.23	5.26
Phenanthrene	ug/g	7.8	95.5	66.8
Pyrene	ug/g	78	94.7	73.3

Sample Location			BH53-SS1	BH53-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-05	2011-Jul-05
			0.0 - 0.6	0.6 - 1.3
Benzo[a]anthracene	ug/g	0.63	<0.1	5.3
Benzo[a]pyrene	ug/g	0.3	<0.1	4.5
Benzo[b]fluoranthene	ug/g	0.78	<0.1	6.8
Benzo[k]fluoranthene	ug/g	0.78	<0.1	4.7
Fluoranthene	ug/g	0.69	1	12.8
Indeno[1,2,3-cd]pyrene	ug/g	0.48	<0.1	3.7
Phenanthrene	ug/g	7.8	1.9	8.9



Sample Location			BH109-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-18
			0.6
Anthracene	ug/g	0.74	8.6
Benzo[a]anthracene	ug/g	0.63	19.3
Benzo[a]pyrene	ug/g	0.3	16.2
Benzo[b]fluoranthe	ug/g	0.78	16.8
Benzo[g,h,i]peryler	ug/g	7.8	8.7
Benzo[k]fluoranthe	ug/g	0.78	10
Chrysene	ug/g	7.8	18.7
Fluoranthene	ug/g	0.69	45.2
Indeno[1,2,3-cd]pyr	ug/g	0.48	7.5
Phenanthrene	ug/g	7.8	34.7

Sample Location			TP12-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28
			0.5
Anthracene	ug/g	0.74	8.7
Benzo[a]anthracene	ug/g	0.63	26.4
Benzo[a]pyrene	ug/g	0.3	25.1
Benzo[b]fluoranthe	ug/g	0.78	24.2
Benzo[g,h,i]peryler	ug/g	7.8	12
Benzo[k]fluoranthe	ug/g	0.78	19.3
Chrysene	ug/g	7.8	26.3
Dibenzo[a,h]anthra	ug/g	0.1	4.8
Fluoranthene	ug/g	0.69	53.2
Indeno[1,2,3-cd]pyr	ug/g	0.48	11.4
Naphthalene	ug/g	0.75	1
Phenanthrene	ug/g	7.8	39.3

Sample Location			TP13-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28
			1
Acenaphthylene	ug/g	0.17	4.4
Anthracene	ug/g	0.74	45.7
Benzo[a]anthracene	ug/g	0.63	91.1
Benzo[a]pyrene	ug/g	0.3	74.6
Benzo[b]fluoranthe	ug/g	0.78	67.2
Benzo[g,h,i]peryler	ug/g	7.8	37.2
Benzo[k]fluoranthe	ug/g	0.78	63.4
Chrysene	ug/g	7.8	87.2
Dibenzo[a,h]anthra	ug/g	0.1	11.7
Fluoranthene	ug/g	0.69	197
Indeno[1,2,3-cd]pyr	ug/g	0.48	40.1
Methylnaphthalene	ug/g	3.4	8.3
Methylnaphthalene	ug/g	3.4	5
Naphthalene	ug/g	0.75	19.5
Phenanthrene	ug/g	7.8	167
Pyrene	ug/g	78	165

Sample Location			BH221 SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22
			1.5
Fluoranthene	ug/g	0.69	0.84

Sample Location			TP23-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28
			1.8
Benzo[a]anthracene	ug/g	0.63	1.67
Benzo[a]pyrene	ug/g	0.3	1.82
Benzo[b]fluoranthe	ug/g	0.78	1.63
Dibenzo[a,h]anthra	ug/g	0.1	0.27
Fluoranthene	ug/g	0.69	4.16
Indeno[1,2,3-cd]pyr	ug/g	0.48	0.85

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Fill
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Sandy Gravel
- Sandy Clayey Gravel
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PAHs Cross-Section H-H'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

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MB	SA	2-5g	0

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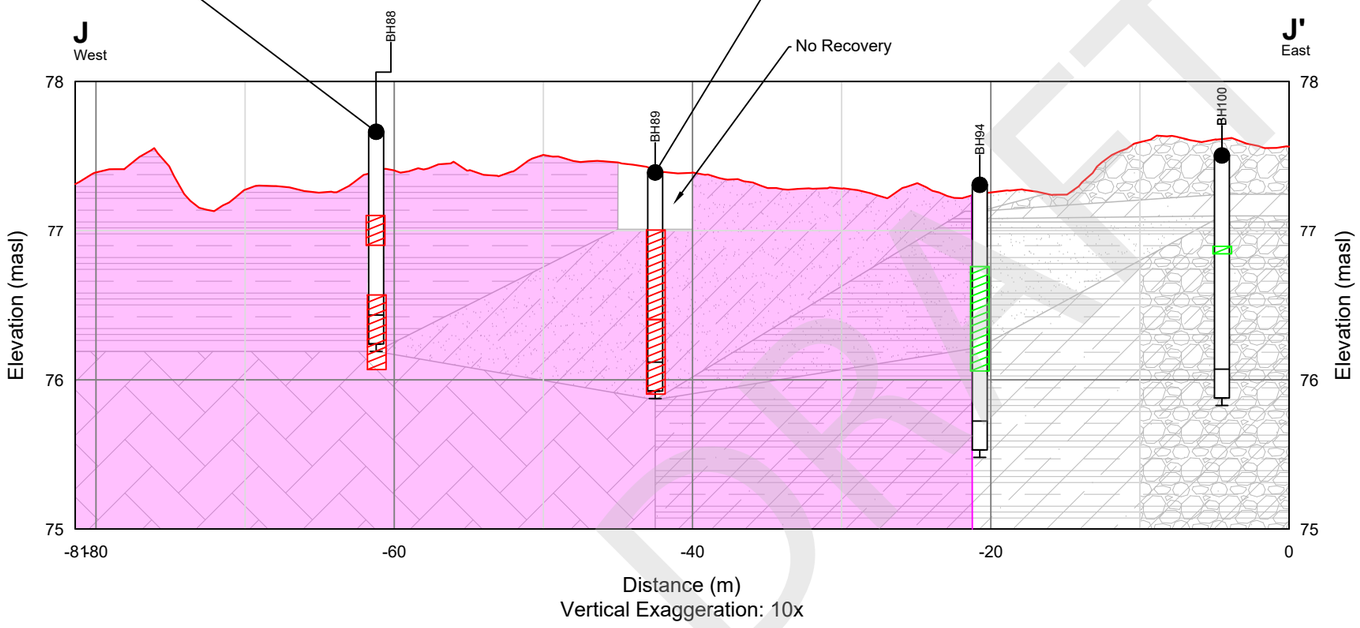
Sample Location			BH88-SS2	BH88-SS3
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-13	2011-Jul-13
			0.6 - 0.8	1.1 - 1.6
Anthracene	ug/g	0.74	0.4	1.6
Benzo[a]anthracene	ug/g	0.63	0.9	0.5
Benzo[a]pyrene	ug/g	0.3	0.9	0.4
Dibenzo[a,h]anthra	ug/g	0.1	0.3	<0.1
Fluoranthene	ug/g	0.69	2.2	1.1
Indeno[1,2,3-cd]pyr	ug/g	0.48	0.6	0.2

Sample Location			BH89-SS1	BH89-SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-13	2011-Jul-13
			0.4 - 1.0	1.0 - 1.5
Anthracene	ug/g	0.74	28	4.9
Benzo[a]anthracene	ug/g	0.63	66	10.3
Benzo[a]pyrene	ug/g	0.3	72	7
Benzo[b]fluoranthe	ug/g	0.78	47	9.5
Benzo[g,h,i]peryler	ug/g	7.8	43	5.4
Benzo[k]fluoranthe	ug/g	0.78	47	6.8
Chrysene	ug/g	7.8	65	9
Dibenzo[a,h]anthra	ug/g	0.1	26	<2
Fluoranthene	ug/g	0.69	153	10
Indeno[1,2,3-cd]pyr	ug/g	0.48	39	5.1
Phenanthrene	ug/g	7.8	94	23.3
Pyrene	ug/g	78	131	6.5



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Shale
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Silty Gravel
- Silty Clayey Gravel
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

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0 8 16 Metres
1:400

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CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PAHs Cross-Section J-J'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

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MB	SA	2-5h	0

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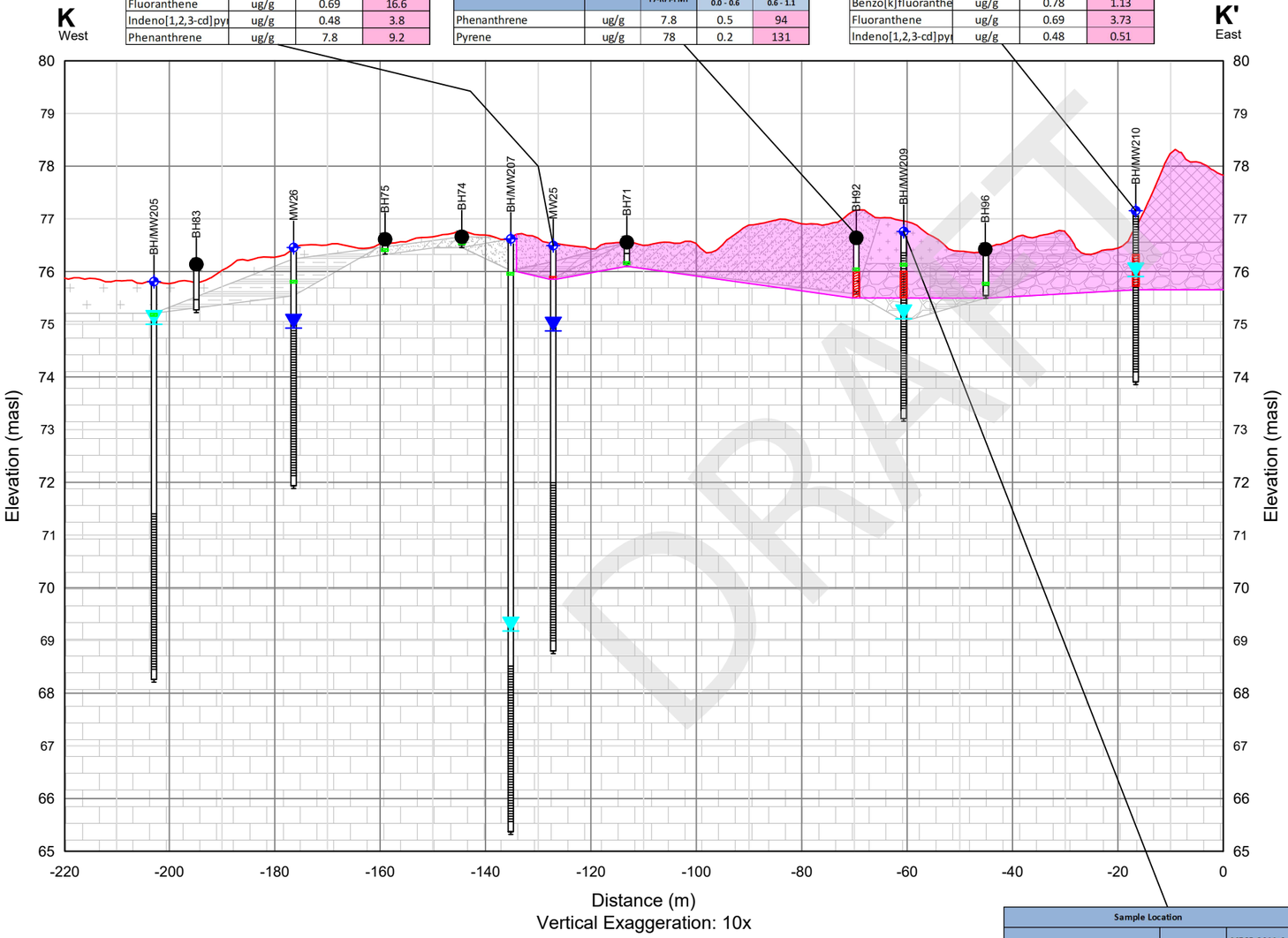
Sample Location		BH/MW 25-SS1
Parameter	Units	MECP-2011-S-T7-RPI-
		2011-Jun-24
		0.6
Anthracene	ug/g	0.74	2.9
Benzo[a]anthracene	ug/g	0.63	6.3
Benzo[a]pyrene	ug/g	0.3	5.9
Benzo[b]fluoranthe	ug/g	0.78	4.6
Benzo[k]fluoranthe	ug/g	0.78	3.6
Dibenzo[a,h]anthra	ug/g	0.1	2.1
Fluoranthene	ug/g	0.69	16.6
Indeno[1,2,3-cd]pyr	ug/g	0.48	3.8
Phenanthrene	ug/g	7.8	9.2

Sample Location			BH92-SS1	BH92-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-14	2011-Jul-14
			0.0 - 0.6	0.6 - 1.1
Phenanthrene	ug/g	7.8	0.5	94
Pyrene	ug/g	78	0.2	131

Sample Location		BH210 SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-19
			0.8 - 1.4
Anthracene	ug/g	0.74	1
Benzo[a]anthracene	ug/g	0.63	1.38
Benzo[a]pyrene	ug/g	0.3	1.39
Benzo[b]fluoranthe	ug/g	0.78	2.04
Benzo[k]fluoranthe	ug/g	0.78	1.13
Fluoranthene	ug/g	0.69	3.73
Indeno[1,2,3-cd]pyr	ug/g	0.48	0.51



Sample Location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.0 - 0.6	0.8 - 1.4
Methylnaphthalene, 1+2-	ug/g	3.4	2.28	7.33
Naphthalene	ug/g	0.75	0.41	1.84

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PAHs Cross-Section K-K'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-5i	0

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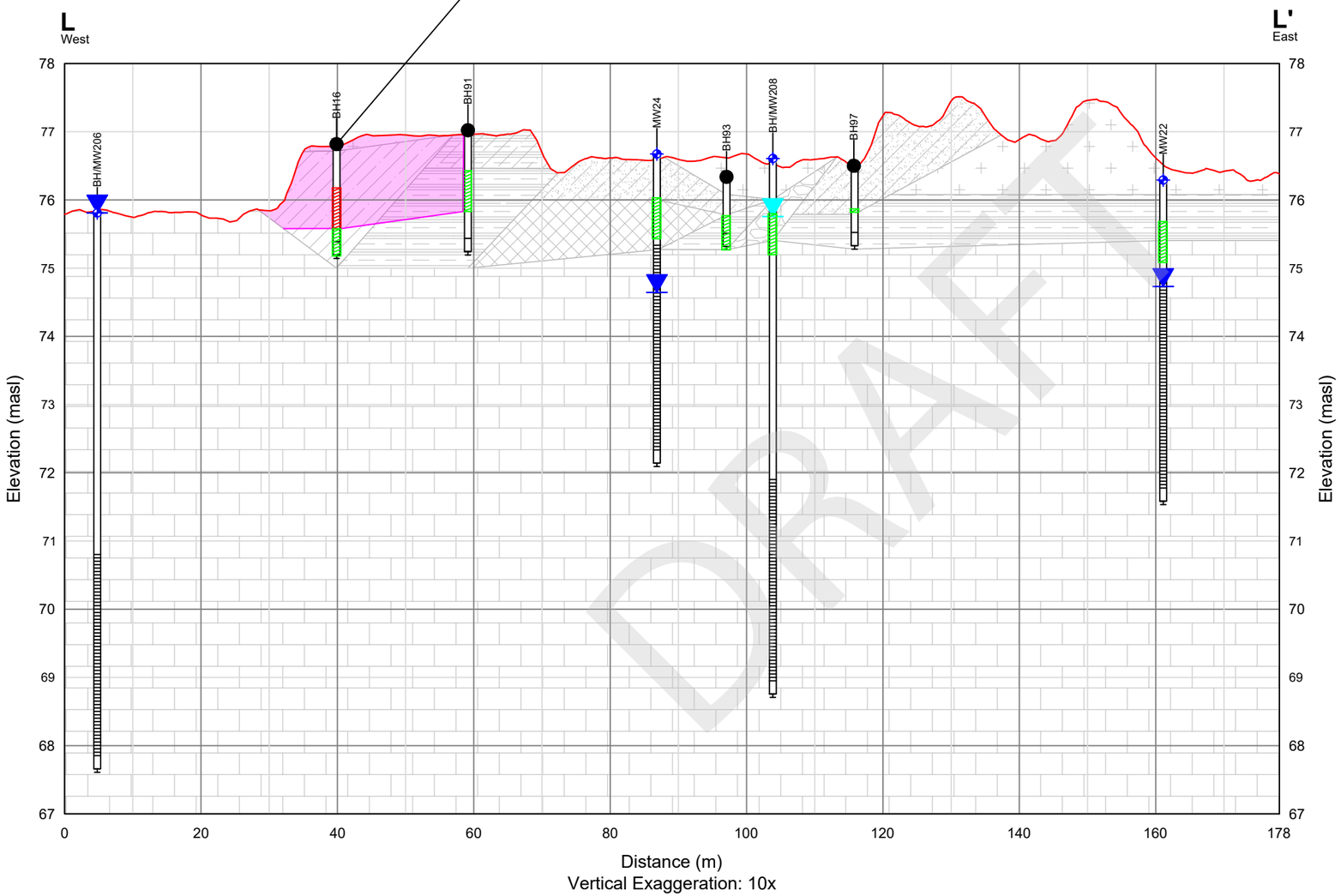
Sample Location			BH16-SS2	BH16-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-22	2011-Jun-22
			0.6 - 1.2	1.2 - 1.6
Benzo[a]pyrene	ug/g	0.3	0.4	0.3
Fluoranthene	ug/g	0.69	1.1	0.6



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

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0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PAHs Cross-Section L-L'

1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-5j	0

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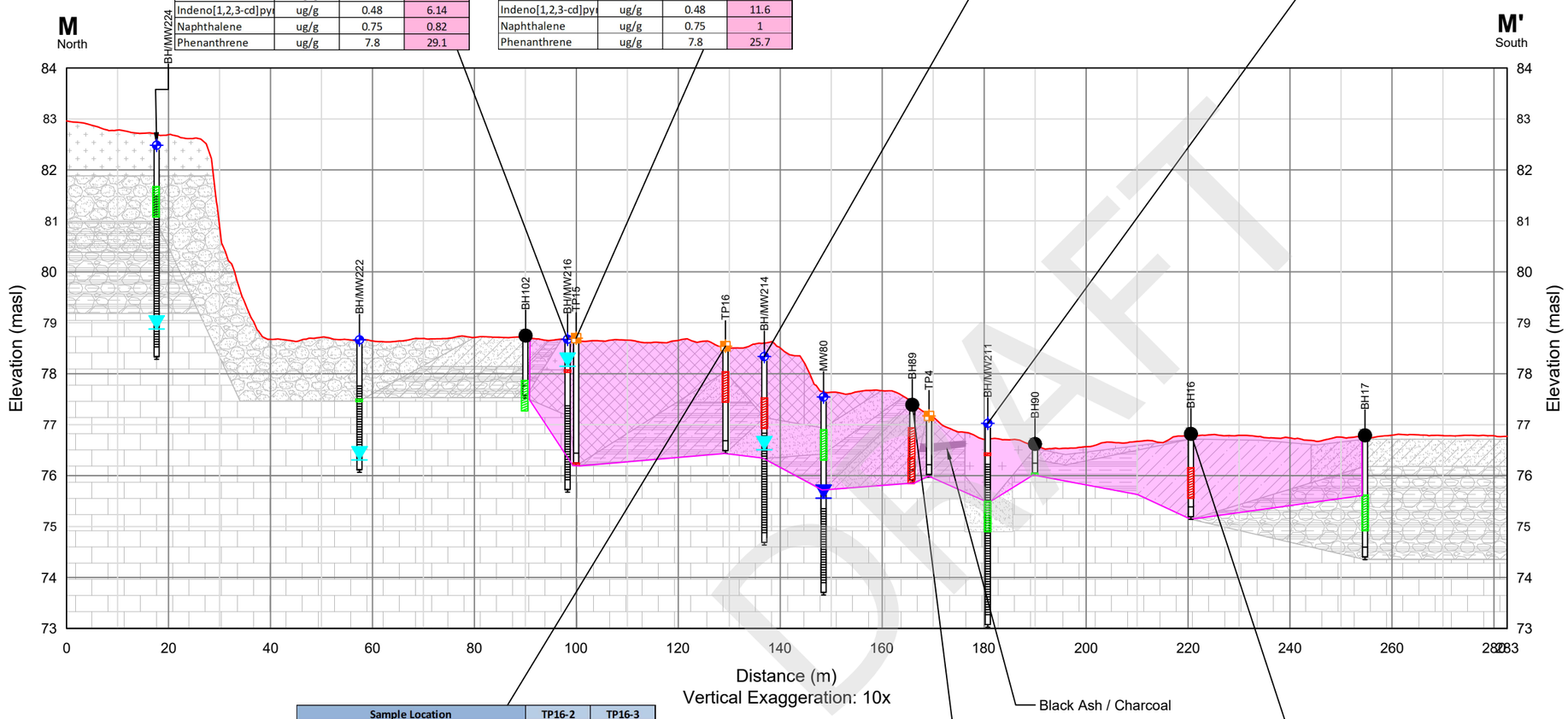
Sample Location			BH216 SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22 0.6
Acenaphthylene	ug/g	0.17	0.36
Anthracene	ug/g	0.74	5.84
Benzo[a]anthracene	ug/g	0.63	12.9
Benzo[a]pyrene	ug/g	0.3	10.3
Benzo[b]fluoranthe	ug/g	0.78	11.9
Benzo[k]fluoranthe	ug/g	0.78	5.08
Chrysene	ug/g	7.8	10.9
Dibenzo[a,h]anthra	ug/g	0.1	1.29
Fluoranthene	ug/g	0.69	41.2
Indeno[1,2,3-cd]pyr	ug/g	0.48	6.14
Naphthalene	ug/g	0.75	0.82
Phenanthrene	ug/g	7.8	29.1

Sample Location			TP15-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28 2.5
Anthracene	ug/g	0.74	8.6
Benzo[a]anthracene	ug/g	0.63	20
Benzo[a]pyrene	ug/g	0.3	19.7
Benzo[b]fluoranthe	ug/g	0.78	16.3
Benzo[g,h,i]peryler	ug/g	7.8	12.3
Benzo[k]fluoranthe	ug/g	0.78	13.6
Chrysene	ug/g	7.8	20.2
Dibenzo[a,h]anthra	ug/g	0.1	5.3
Fluoranthene	ug/g	0.69	36.2
Indeno[1,2,3-cd]pyr	ug/g	0.48	11.6
Naphthalene	ug/g	0.75	1
Phenanthrene	ug/g	7.8	25.7

Sample Location			BH214 SS2	BH214 SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-22 0.8 - 1.4	2022-Dec-22 1.5 - 2.1
Anthracene	ug/g	0.74	<0.05	1.06
Benzo[a]anthracene	ug/g	0.63	<0.05	1.74
Benzo[a]pyrene	ug/g	0.3	<0.05	1.57
Benzo[b]fluoranthene	ug/g	0.78	<0.05	2.48
Benzo[k]fluoranthene	ug/g	0.78	<0.05	1.32
Dibenzo[a,h]anthracene	ug/g	0.1	<0.05	0.13
Fluoranthene	ug/g	0.69	<0.05	4.32
Indeno[1,2,3-cd]pyrene	ug/g	0.48	<0.05	0.59

Sample Location			BH211 SS1	BH211 SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-15 0.0 - 0.6	2022-Dec-15 1.5 - 2.1
Benzo[a]anthracene	ug/g	0.63	1.04	<0.05
Benzo[a]pyrene	ug/g	0.3	1.2	<0.05
Benzo[b]fluoranthene	ug/g	0.78	2	<0.05
Benzo[k]fluoranthene	ug/g	0.78	1.1	<0.05
Fluoranthene	ug/g	0.69	2.29	<0.05
Indeno[1,2,3-cd]pyrene	ug/g	0.48	0.55	<0.05



Sample Location			TP16-2	TP16-3
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28 0.5 - 1.1	2012-Nov-28 1.1 - 2.1
Acenaphthylene	ug/g	0.17	1.8	<0.05
Anthracene	ug/g	0.74	7.9	0.1
Benzo[a]anthracene	ug/g	0.63	28.8	0.33
Benzo[a]pyrene	ug/g	0.3	31.2	0.35
Benzo[b]fluoranthe	ug/g	0.78	30	0.31
Benzo[g,h,i]peryler	ug/g	7.8	19.4	0.25
Benzo[k]fluoranthe	ug/g	0.78	23.3	0.28
Chrysene	ug/g	7.8	28.3	0.34
Dibenzo[a,h]anthra	ug/g	0.1	5.8	0.1
Fluoranthene	ug/g	0.69	60.9	0.78
Indeno[1,2,3-cd]pyr	ug/g	0.48	13.6	0.22
Naphthalene	ug/g	0.75	3.3	<0.05
Phenanthrene	ug/g	7.8	41.3	0.51

Sample Location			BH89-SS1	BH89-SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-13 0.4 - 1.0	2011-Jul-13 1.0 - 1.5
Anthracene	ug/g	0.74	28	4.9
Benzo[a]anthracene	ug/g	0.63	66	10.3
Benzo[a]pyrene	ug/g	0.3	72	7
Benzo[b]fluoranthe	ug/g	0.78	47	9.5
Benzo[g,h,i]peryler	ug/g	7.8	43	5.4
Benzo[k]fluoranthe	ug/g	0.78	47	6.8
Chrysene	ug/g	7.8	65	9
Dibenzo[a,h]anthra	ug/g	0.1	26	<2
Fluoranthene	ug/g	0.69	153	10
Indeno[1,2,3-cd]pyr	ug/g	0.48	39	5.1
Phenanthrene	ug/g	7.8	94	23.3
Pyrene	ug/g	78	131	6.5

Sample Location			BH16-SS2	BH16-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-22 0.6 - 1.2	2011-Jun-22 1.2 - 1.6
Benzo[a]pyrene	ug/g	0.3	0.4	0.3
Fluoranthene	ug/g	0.69	1.1	0.6

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

N W E S

0 20 40 Metres
1:1000

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PAHs Cross-Section M-M'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-5k	0

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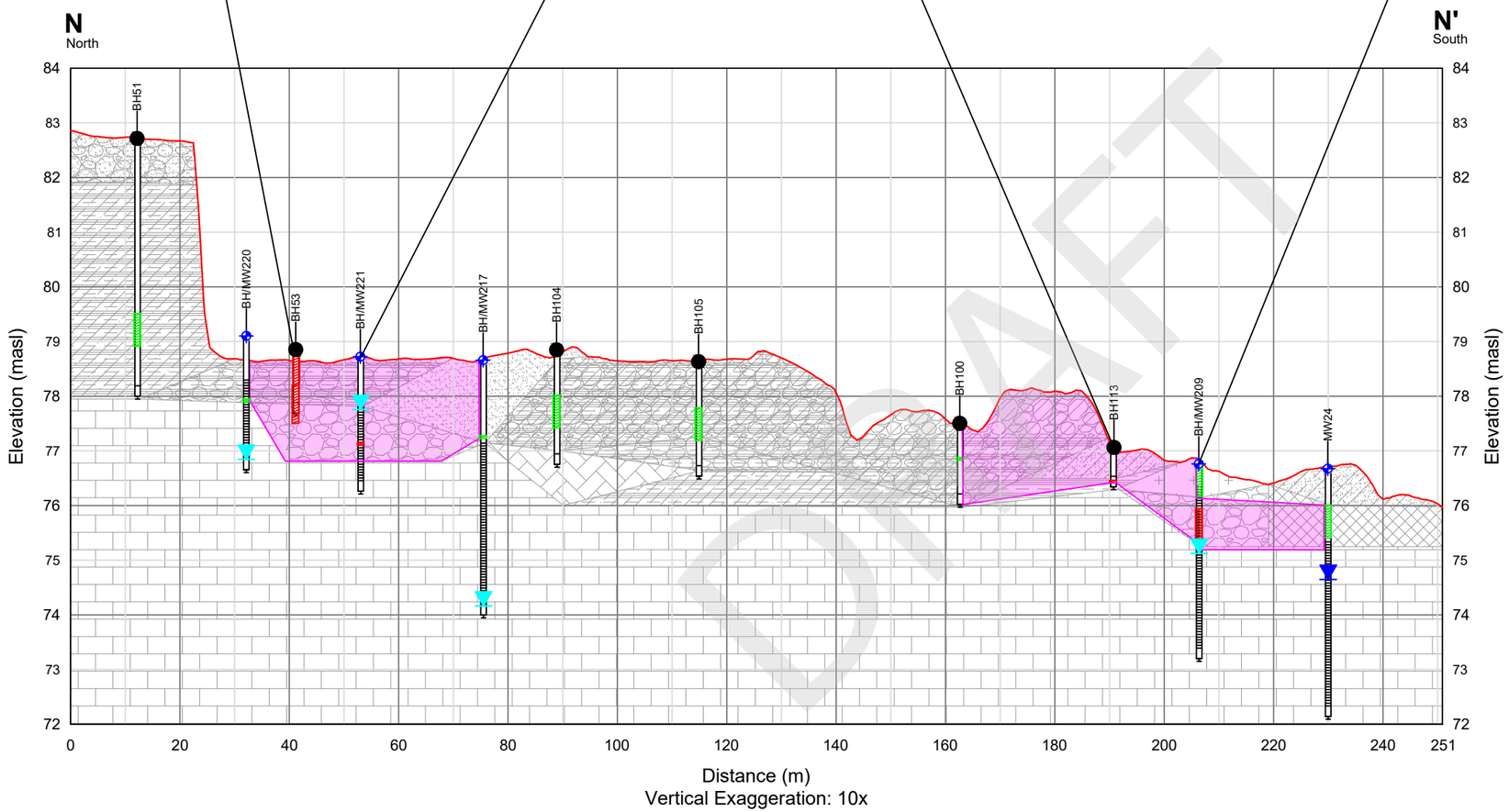
Sample Location			BH53-SS1	BH53-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-05	2011-Jul-05
			0.0 - 0.6	0.6 - 1.3
Benzo[a]anthracene	ug/g	0.63	<0.1	5.3
Benzo[a]pyrene	ug/g	0.3	<0.1	4.5
Benzo[b]fluoranthene	ug/g	0.78	<0.1	6.8
Benzo[k]fluoranthene	ug/g	0.78	<0.1	4.7
Fluoranthene	ug/g	0.69	1	12.8
Indeno[1,2,3-cd]pyrene	ug/g	0.48	<0.1	3.7
Phenanthrene	ug/g	7.8	1.9	8.9

Sample Location			BH221 SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22
			1.5
Fluoranthene	ug/g	0.69	0.84

Sample Location			BH113-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-20
			0.6
Methylnaphthalene	ug/g	3.4	5.3
Naphthalene	ug/g	0.75	1.6

Sample Location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.0 - 0.6	0.8 - 1.4
Methylnaphthalene, 1+2	ug/g	3.4	2.28	7.33
Naphthalene	ug/g	0.75	0.41	1.84



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Silty Clayey Gravel
- Shale
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20.027 40.059 Metres
1:1001.374

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PAHs Cross-Section N-N'

1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-5l	0

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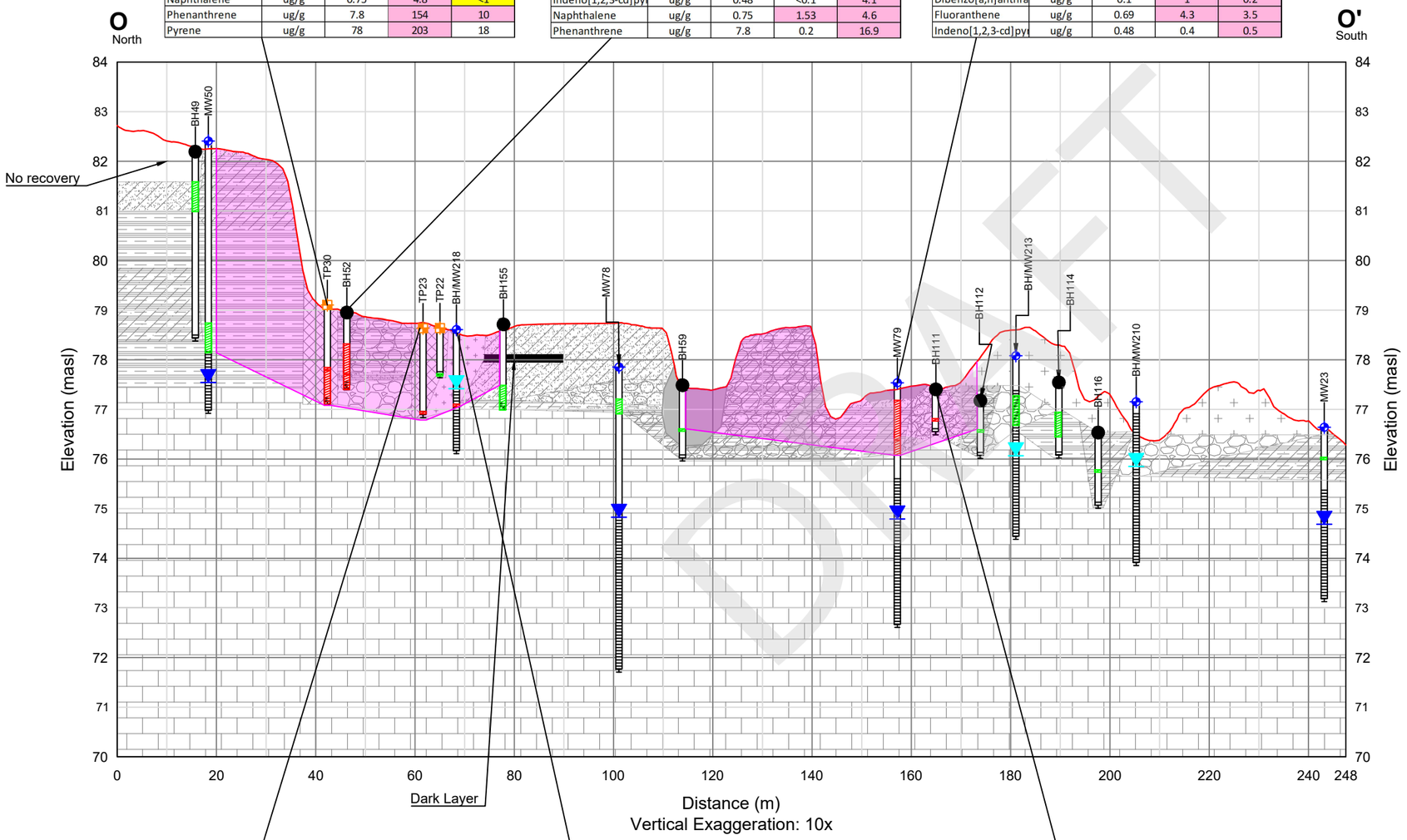
Sample Location			TP30-1	TP30-2
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-29 1.3	2012-Nov-29 1.3 - 2.0
Acenaphthylene	ug/g	0.17	1.1	<1
Anthracene	ug/g	0.74	36.6	5
Benzo[a]anthracene	ug/g	0.63	74	9
Benzo[a]pyrene	ug/g	0.3	75.2	9
Benzo[b]fluoranthe	ug/g	0.78	63.4	8
Benzo[g,h,i]peryler	ug/g	7.8	47.3	6
Benzo[k]fluoranthe	ug/g	0.78	56.9	7
Chrysene	ug/g	7.8	74.2	9
Dibenzo[a,h]anthra	ug/g	0.1	12.1	2
Fluoranthene	ug/g	0.69	230	21
Indeno[1,2,3-cd]pyr	ug/g	0.48	39.8	5
Methylnaphthalene	ug/g	3.4	5.8	<2
Naphthalene	ug/g	0.75	4.8	<1
Phenanthrene	ug/g	7.8	154	10
Pyrene	ug/g	78	203	18

Sample Location			BH52-SS2	BH52-SS3
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-05 0.6 - 1.2	2011-Jul-05 1.2 - 1.5
Anthracene	ug/g	0.74	<0.1	3.8
Benzo[a]anthracene	ug/g	0.63	<0.1	7.4
Benzo[a]pyrene	ug/g	0.3	0.1	6.1
Benzo[b]fluoranthe	ug/g	0.78	<0.1	8.9
Benzo[k]fluoranthe	ug/g	0.78	0.1	4.6
Fluoranthene	ug/g	0.69	0.2	21.8
Indeno[1,2,3-cd]pyr	ug/g	0.48	<0.1	4.1
Naphthalene	ug/g	0.75	1.53	4.6
Phenanthrene	ug/g	7.8	0.2	16.9

Sample Location			BH/MW 79-SS1	BH/MW 79-SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-08 0.3 - 1.1	2011-Jul-11 1.1 - 1.4
Acenaphthylene	ug/g	0.17	0.3	0.1
Anthracene	ug/g	0.74	1.5	0.8
Benzo[a]anthracene	ug/g	0.63	<0.05	1.6
Benzo[a]pyrene	ug/g	0.3	3.2	1.2
Benzo[b]fluoranthe	ug/g	0.78	7.5	1.6
Benzo[k]fluoranthe	ug/g	0.78	2.8	0.9
Dibenzo[a,h]anthra	ug/g	0.1	1	0.2
Fluoranthene	ug/g	0.69	4.3	3.5
Indeno[1,2,3-cd]pyr	ug/g	0.48	0.4	0.5



Sample Location			TP23-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28 1.8
Benzo[a]anthracene	ug/g	0.63	1.67
Benzo[a]pyrene	ug/g	0.3	1.82
Benzo[b]fluoranthe	ug/g	0.78	1.63
Dibenzo[a,h]anthra	ug/g	0.1	0.27
Fluoranthene	ug/g	0.69	4.16
Indeno[1,2,3-cd]pyr	ug/g	0.48	0.85

Sample Location			BH218 SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22 1.5
Fluoranthene	ug/g	0.69	0.7

Sample Location			BH111-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-19 0.6
Fluoranthene	ug/g	0.69	0.8

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Asphalt
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PAHs Cross-Section O-O'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-5m	0

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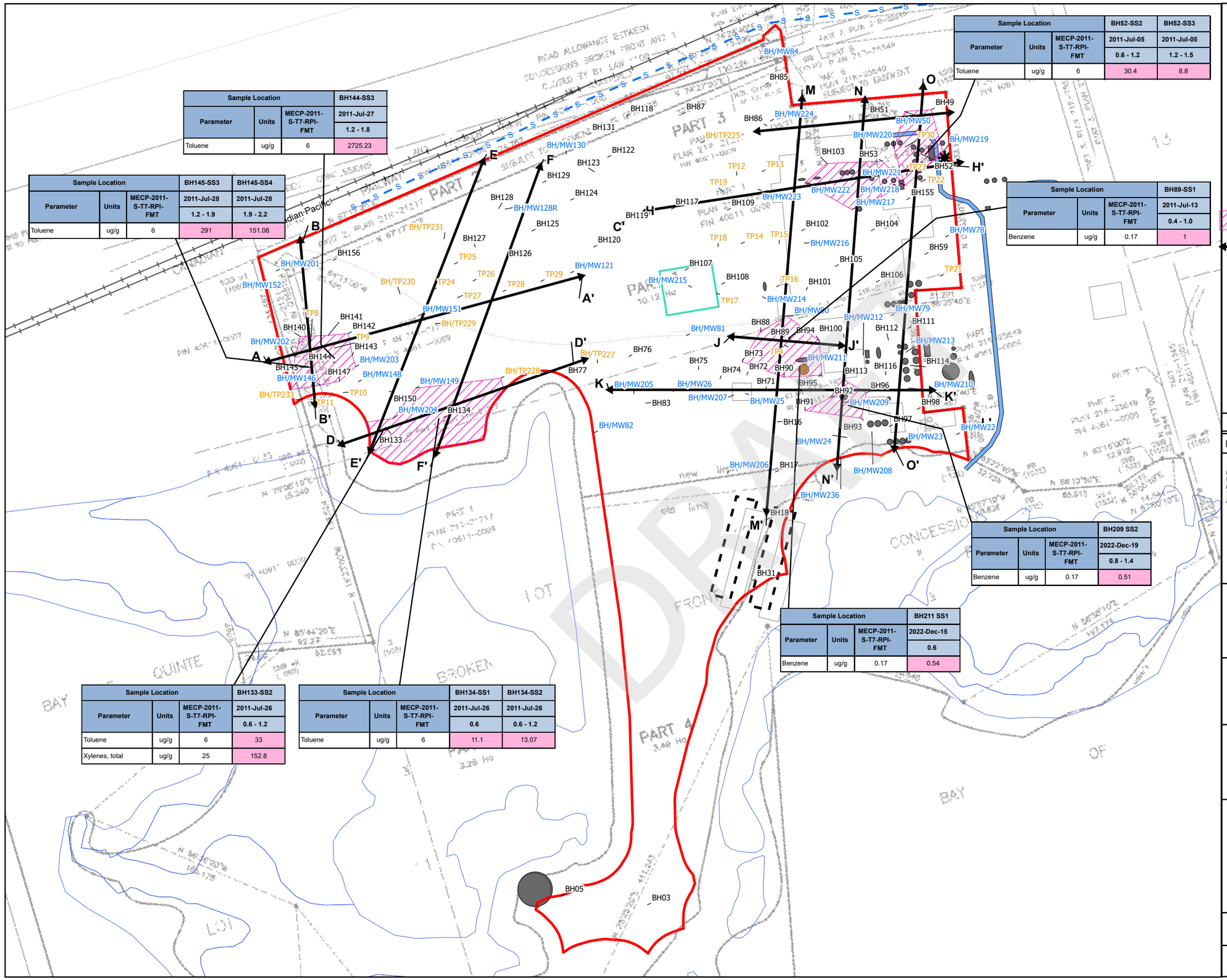

Sample Location			BH144-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-27
			1.2 - 1.8
Toluene	ug/g	6	2725.23

Sample Location			BH145-SS3	BH145-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-28	2011-Jul-28
			1.2 - 1.9	1.9 - 2.2
Toluene	ug/g	6	291	151.08

Sample Location			BH52-SS2	BH52-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-05	2011-Jul-05
			0.6 - 1.2	1.2 - 1.5
Toluene	ug/g	6	30.4	8.8

Sample Location			BH89-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-13
			0.4 - 1.0
Benzene	ug/g	0.17	1

Sample Location			BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19
			0.8 - 1.4
Benzene	ug/g	0.17	0.51

Sample Location			BH211 SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-15
			0.6
Benzene	ug/g	0.17	0.54

Sample Location			BH133-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26
			0.6 - 1.2
Toluene	ug/g	6	33
Xylenes, total	ug/g	25	152.8

Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6	0.6 - 1.2
Toluene	ug/g	6	11.1	13.07

LEGEND

- Borehole
- Monitoring Well
- Test Pit
- Sample results below applicable SCS
- Sample location not tested for parameter
- Sample results above applicable SCS
- Contamination Plume
- Cross Section Alignment
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Soil - BTEX

BluMetric™ Environmental

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-6a	3

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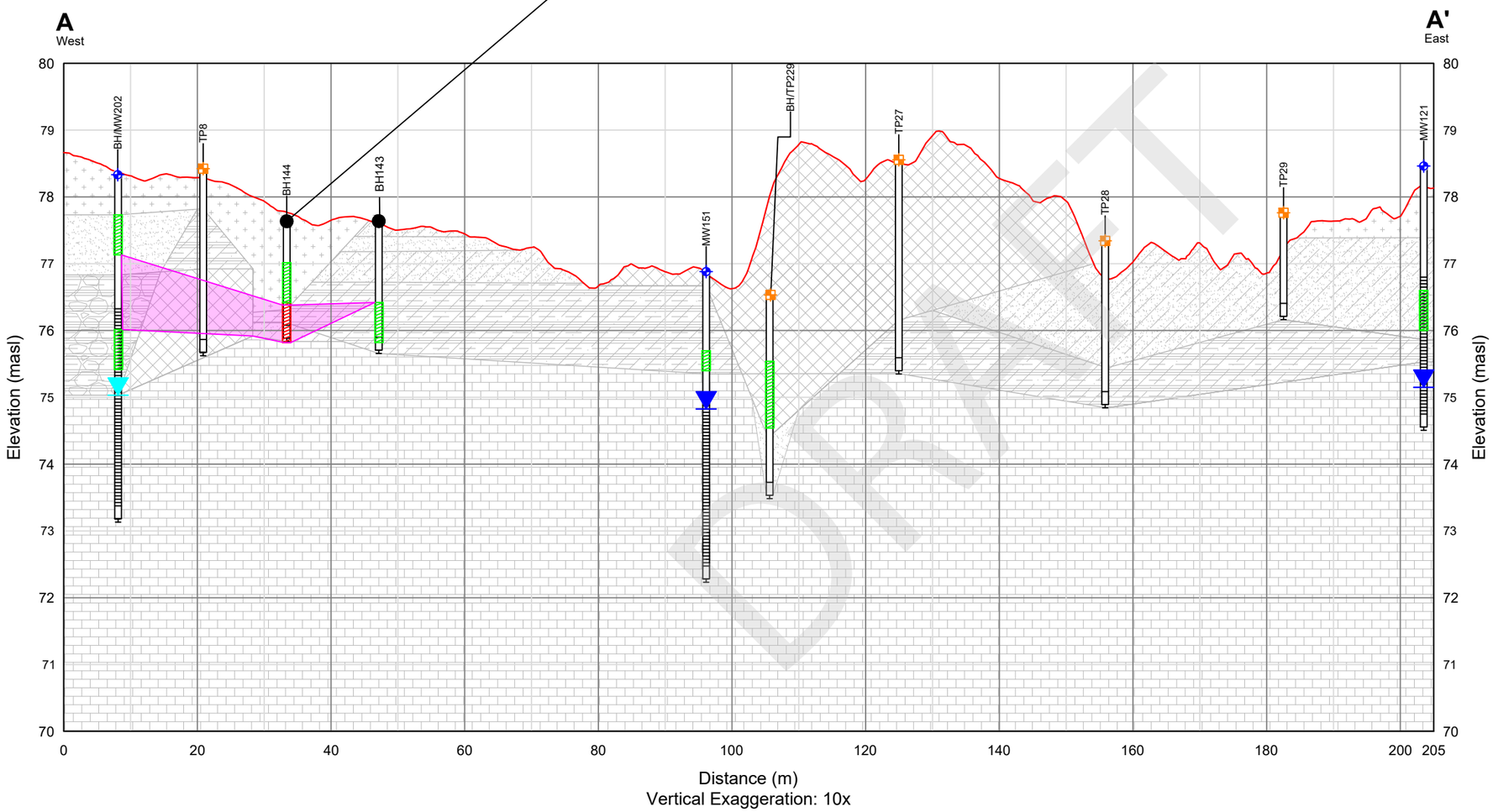
Sample Location			BH144-SS2	BH144-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-27	2011-Jul-27
			0.6 - 1.2	1.2 - 1.8
Toluene	ug/g	6	2.5	2725.23



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - BTEX Cross-Section A-A'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-6b	0

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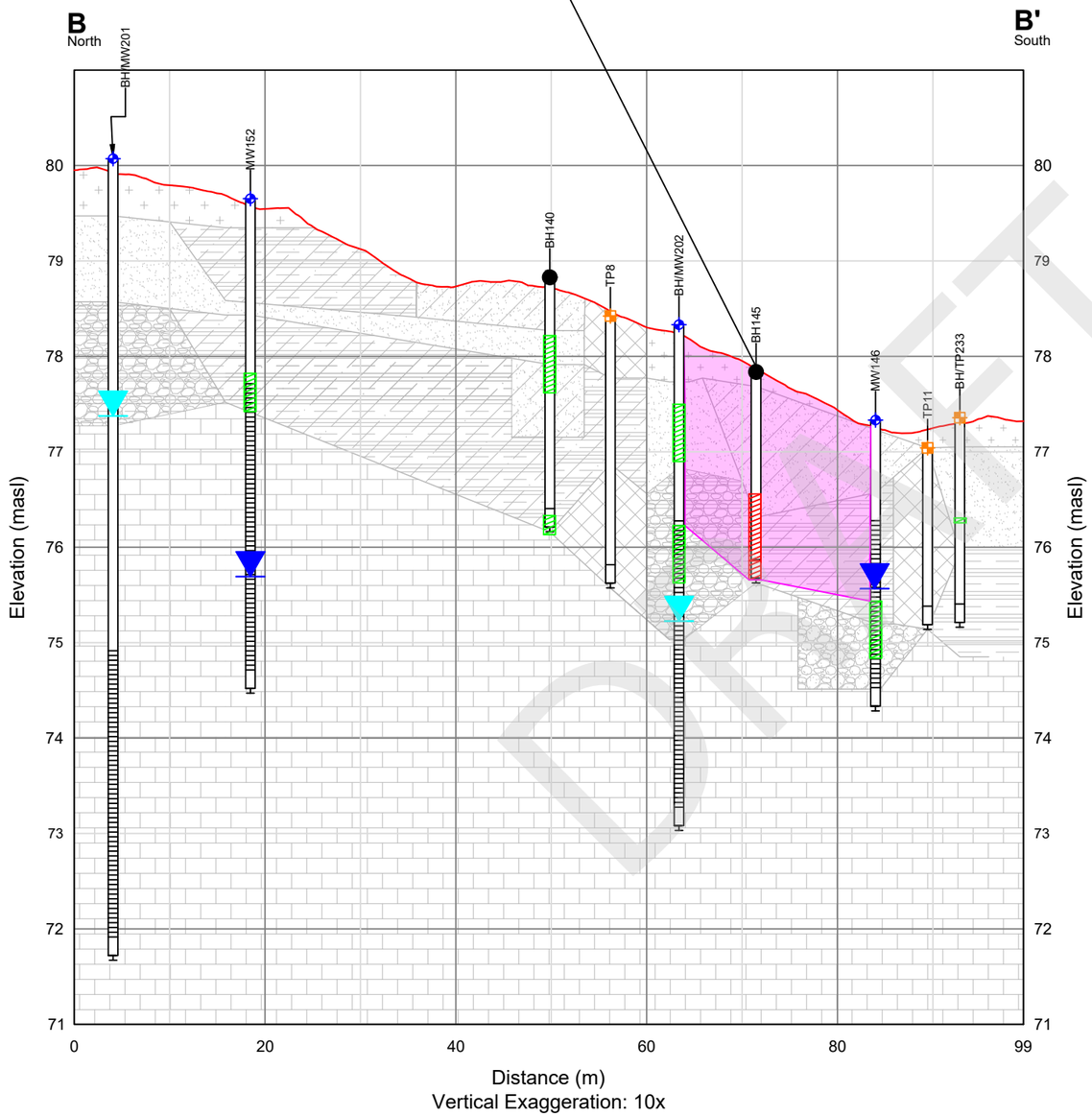
Sample Location			BH145-SS3	BH145-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-28	2011-Jul-28
			1.2 - 1.9	1.9 - 2.2
Toluene	ug/g	6	291	151.08



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Sandy Gravel
- Groundwater Elevation (July, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 12 24 Metres
1:600

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impact to Soil - BTEX Cross-Section B-B'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-6c	0

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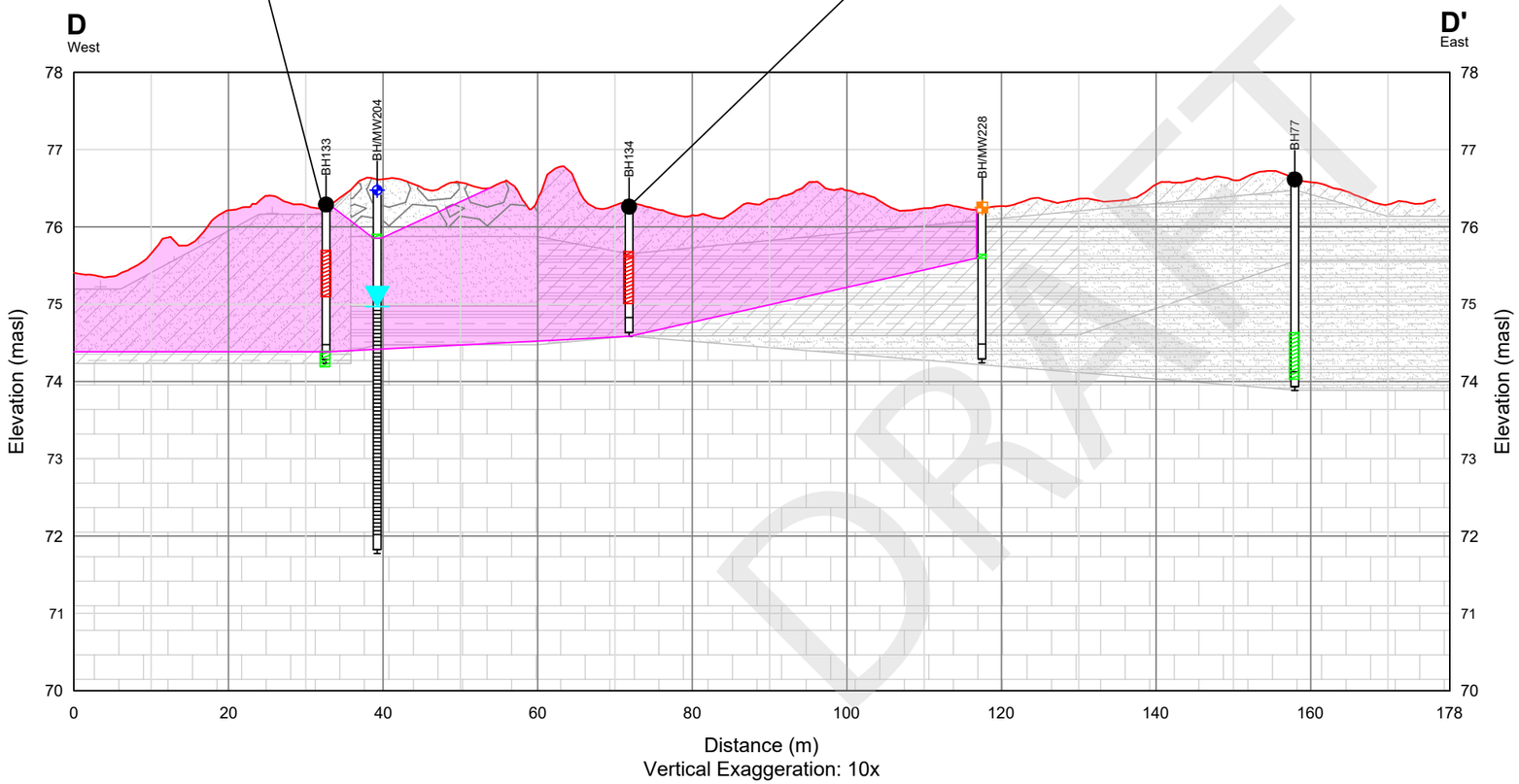
Sample Location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6 - 1.2	1.9 - 2.1
Toluene	ug/g	6	33	<0.2
Xylenes, total	ug/g	25	152.8	-

Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6	0.6 - 1.2
Toluene	ug/g	6	11.1	13.07



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - BTEX Cross-Section D-D'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-6d	0

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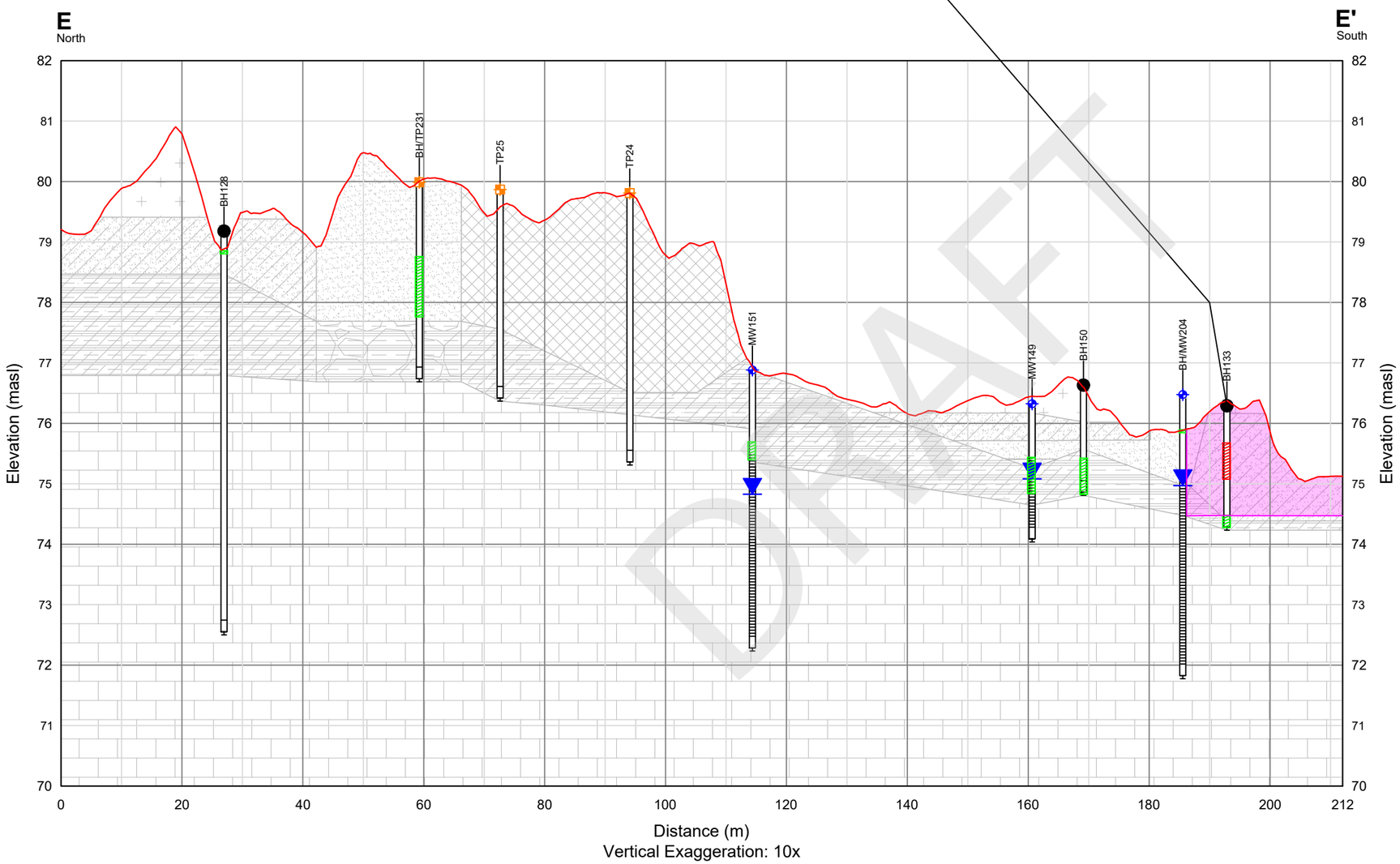
Sample Location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6 - 1.2	1.9 - 2.1
Toluene	ug/g	6	33	<0.2
Xylenes, total	ug/g	25	152.8	-



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Sandy Silty Clay
- Fill
- Clayey Gravel
- Groundwater Elevation (December, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - BTEX Cross-Section E-E'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-6e	0

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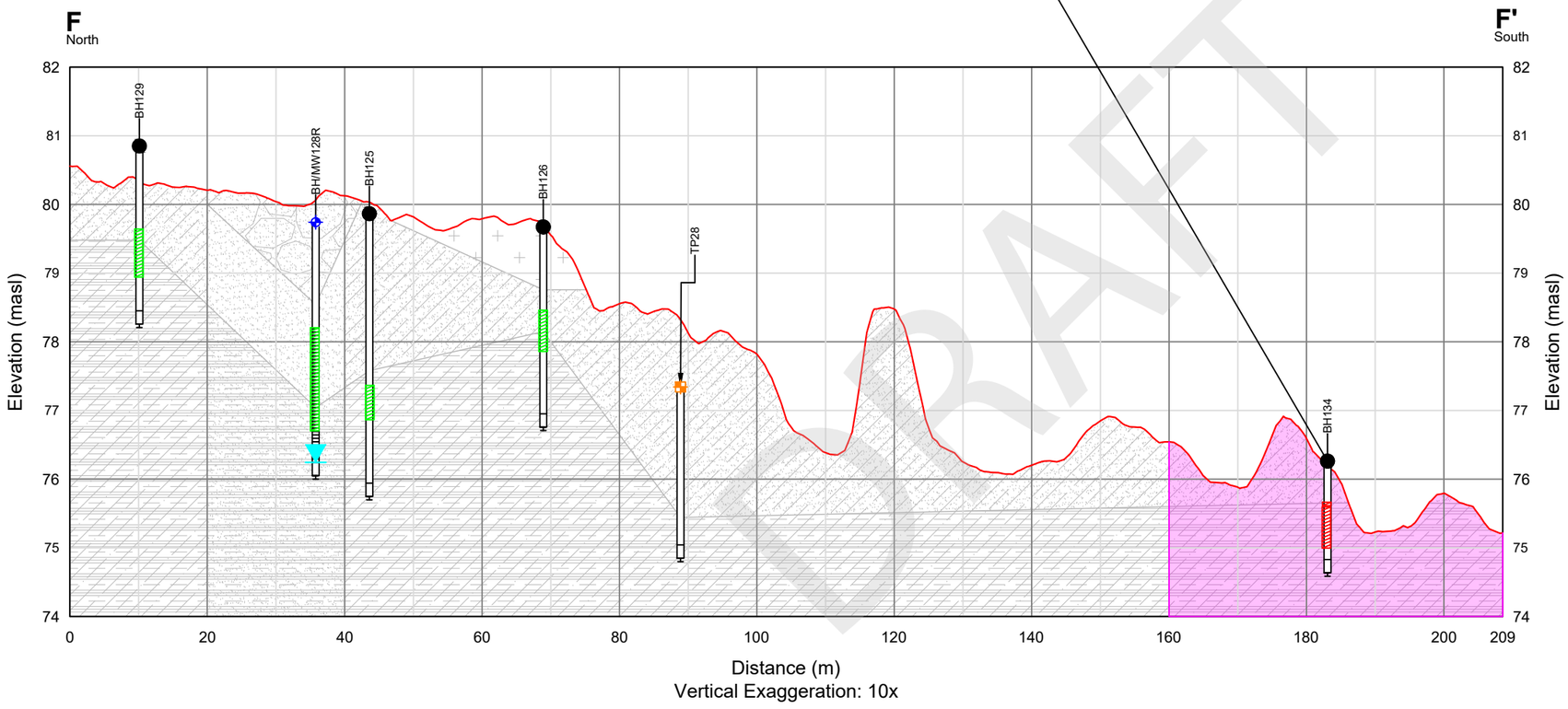
Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6	0.6 - 1.2
Toluene	ug/g	6	11.1	13.07



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Sandy Gravel
- Groundwater Elevation (July, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - BTEX Cross-Section F-F'

1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-6f	0

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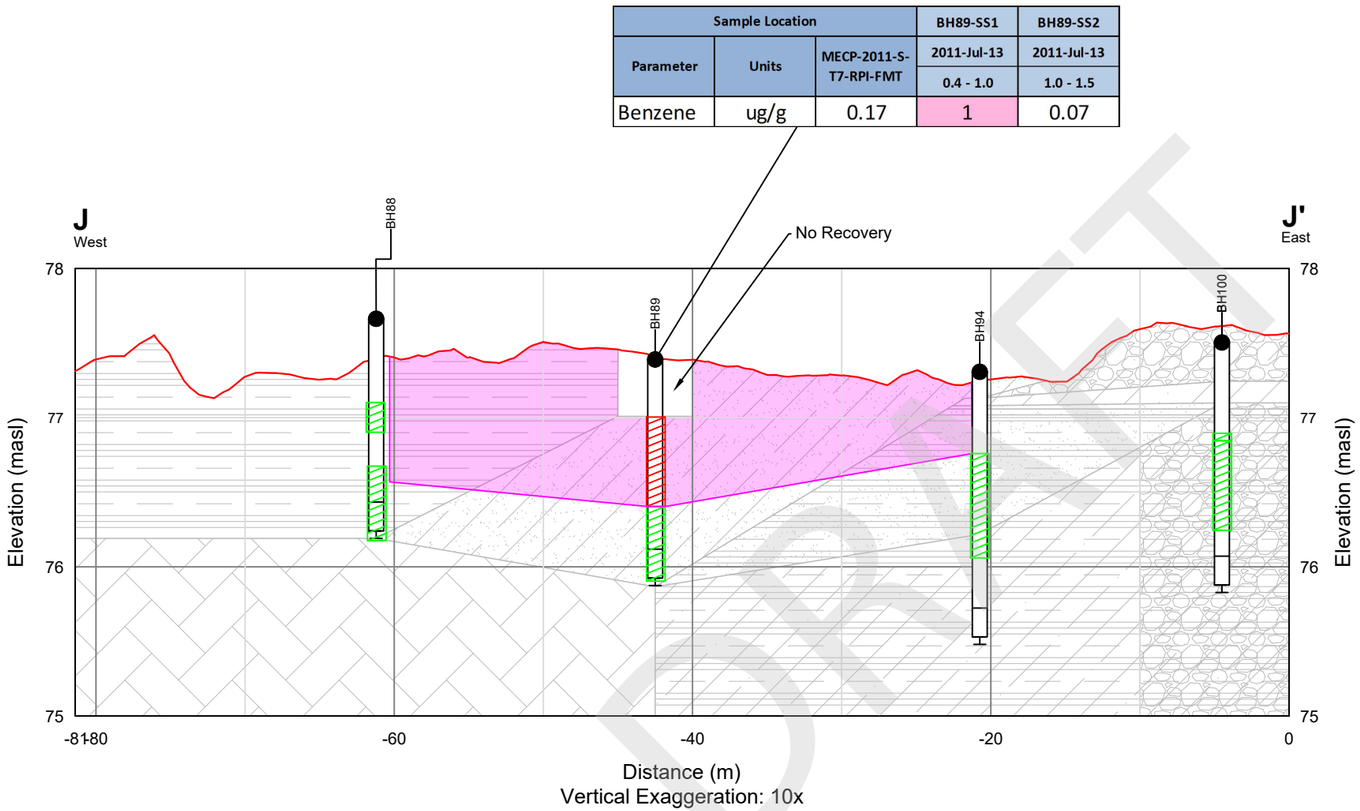
Sample Location			BH89-SS1	BH89-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-13	2011-Jul-13
			0.4 - 1.0	1.0 - 1.5
Benzene	ug/g	0.17	1	0.07



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Shale
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Silty Gravel
- Silty Clayey Gravel
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 8 16 Metres
1:400

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - BTEX Cross-Section J-J'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-6g	0

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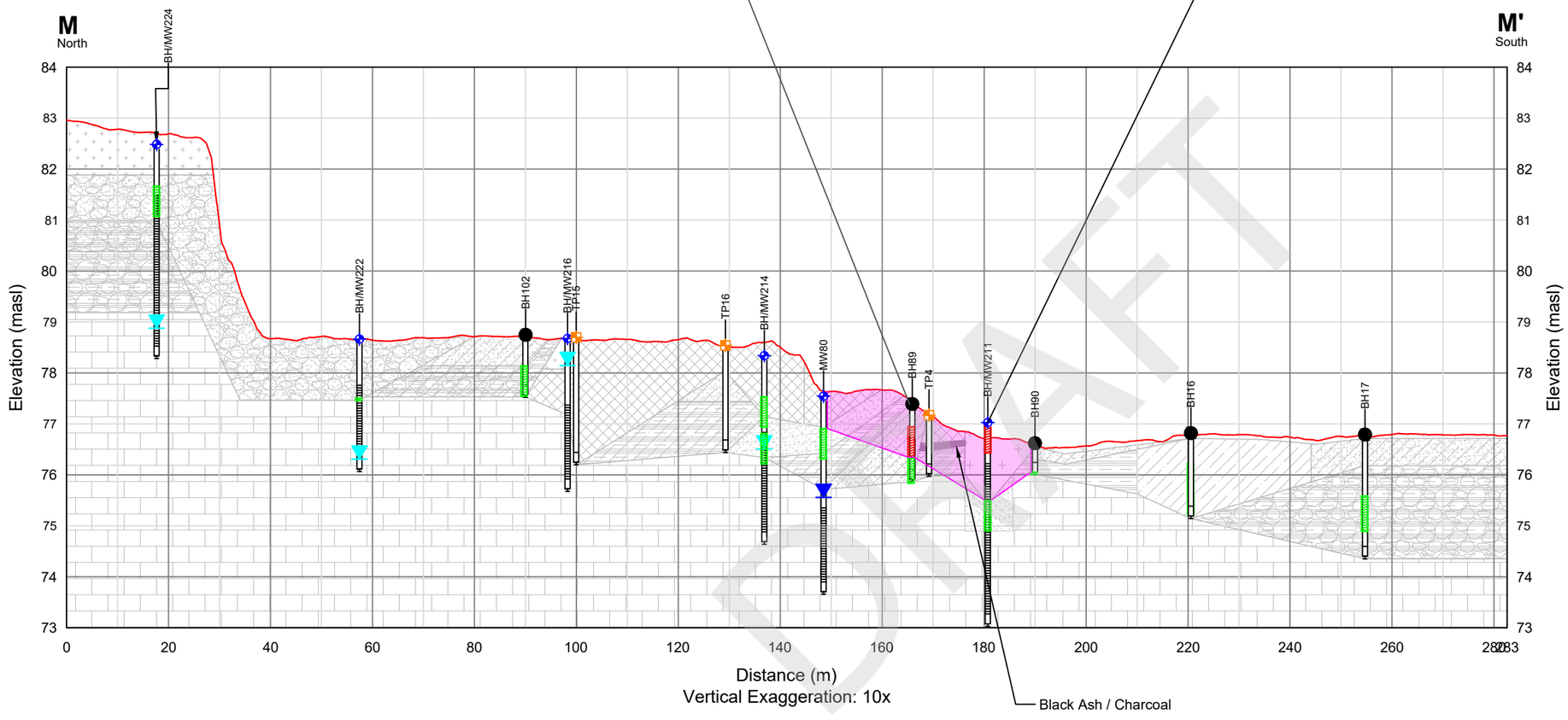
Sample Location			BH89-SS1	BH89-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-13	2011-Jul-13
			0.4 - 1.0	1.0 - 1.5
Benzene	ug/g	0.17	1	0.07

Sample Location			BH211 SS1	BH211 SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-15	2022-Dec-15
			0.0 - 0.6	1.5 - 2.1
Benzene	ug/g	0.17	0.54	<0.02



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

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0 20 40 Metres
1:1000

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - BTEX Cross-Section M-M'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-6h	0

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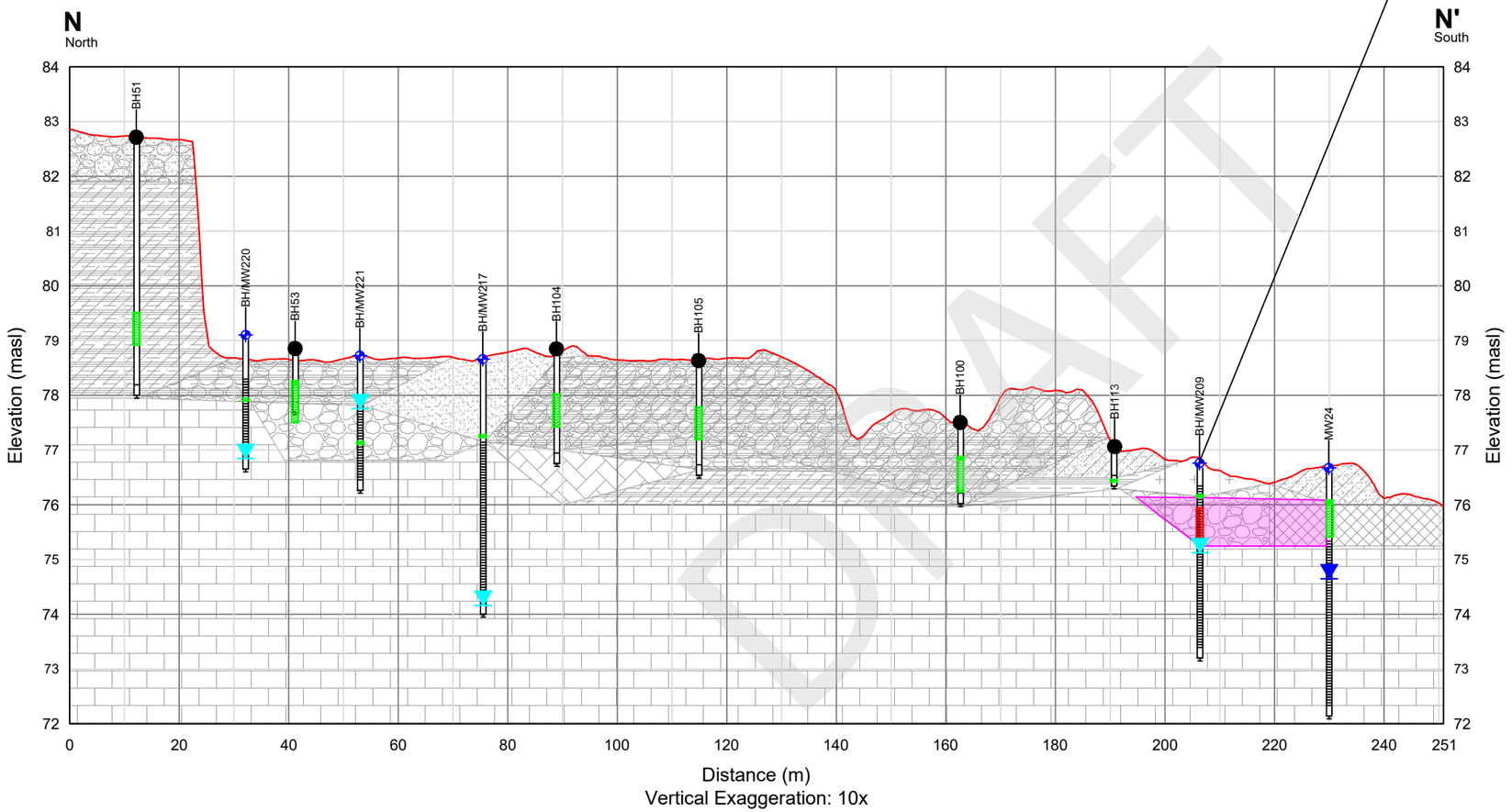
Sample Location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.0 - 0.6	0.8 - 1.4
Benzene	ug/g	0.17	<0.02	0.51



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Silty Clayey Gravel
- Shale
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - BTEX Cross-Section N-N'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-6i	0

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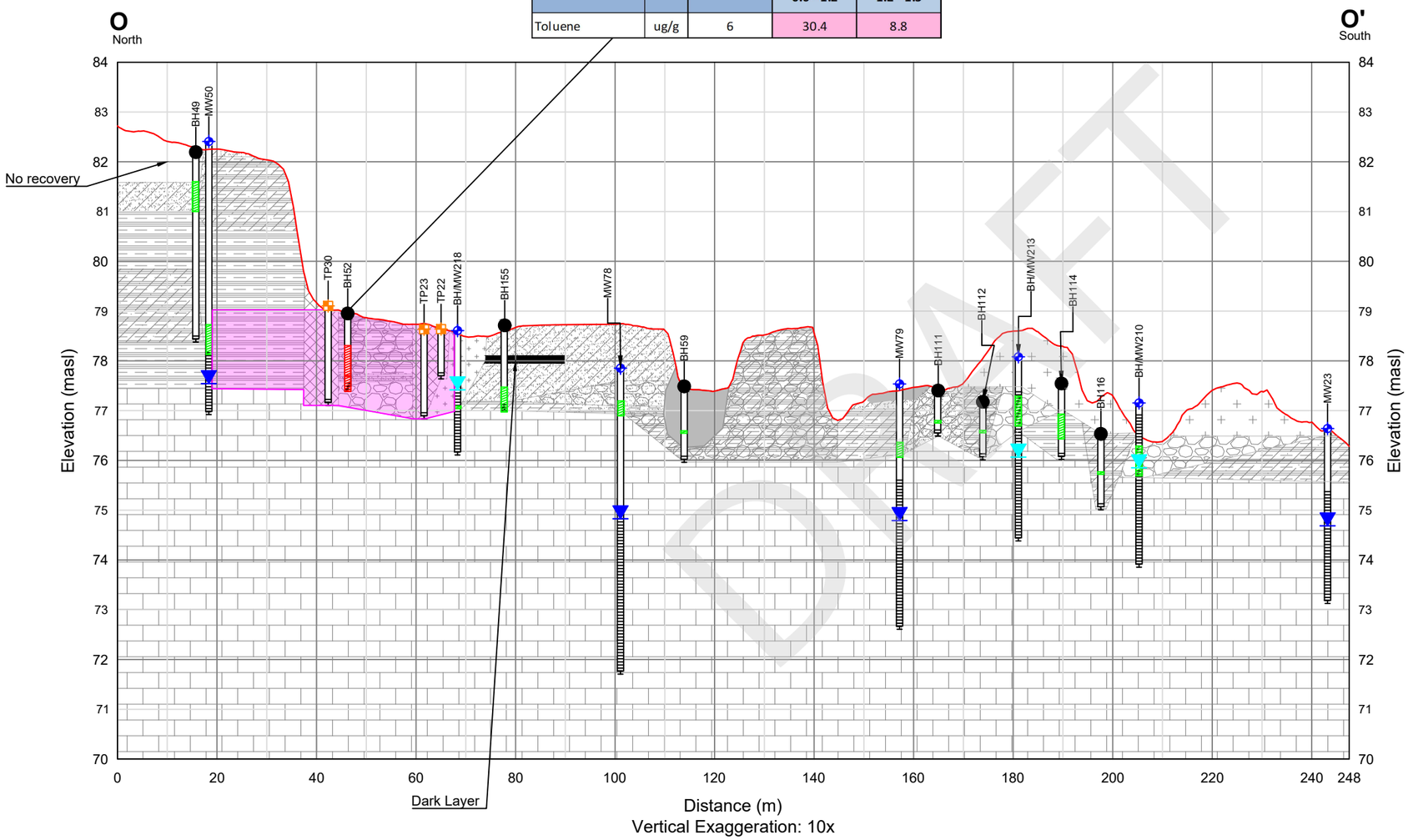
Sample Location			BH52-SS2	BH52-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-05	2011-Jul-05
			0.6 - 1.2	1.2 - 1.5
Toluene	ug/g	6	30.4	8.8



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Asphalt
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
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REFERENCES

0 20 40 Metres
1:1000

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2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - BTEX Cross-Section O-O'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-6j	0

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Sample Location			BH52-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-05
			1.2 - 1.5
Phenol	ug/g	9.4	88.3

Sample Location			BH133-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26
			0.6 - 1.2
Phenol	ug/g	9.4	39

Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6	0.6 - 1.2
Bis(2-chloroethyl)ether	ug/g	0.5	<10	10.2
Bis(2-ethylhexyl)phthalate	ug/g	5	12.3	<0.1
Phenol	ug/g	9.4	65.4	<0.1

LEGEND

- Borehole
- Monitoring Well
- Test Pit
- Sample result below applicable SCS
- Sample result above applicable SCS
- Sample location not tested for parameter
- Contamination Plume
- Cross Section Alignment
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 25 50 Metres

1:2,500

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2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Soil - ABNs

BluMetric Environmental
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-7a	3

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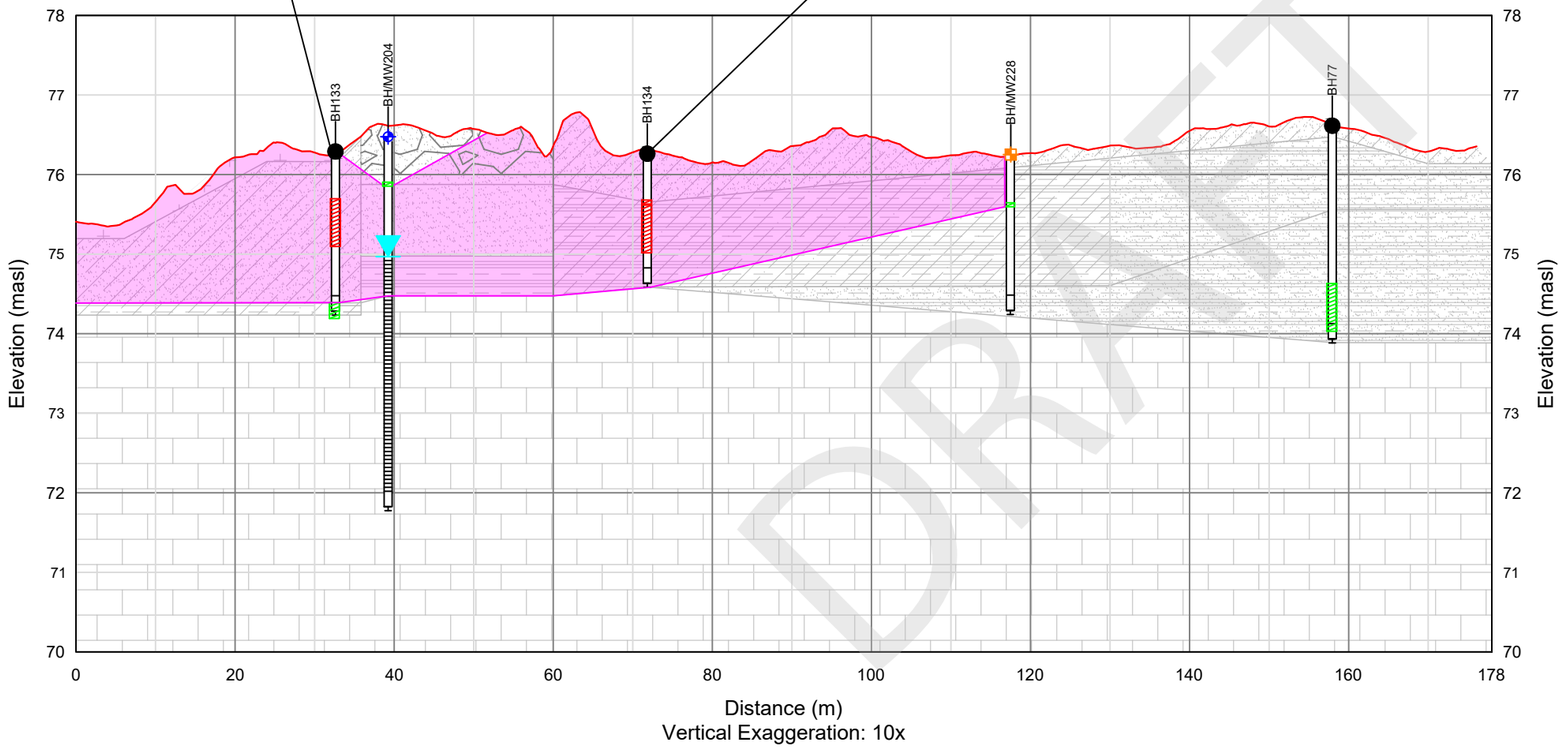
Sample Location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6 - 1.2	1.9 - 2.1
Phenol	ug/g	9.4	39	6.7

Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6	0.6 - 1.2
Bis(2-chloroethyl)ether	ug/g	0.5	<10	10.2
Bis(2-ethylhexyl)phthalate	ug/g	5	12.3	<0.1
Phenol	ug/g	9.4	65.4	<0.1



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - ABNs Cross-Section D-D'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-7b	0

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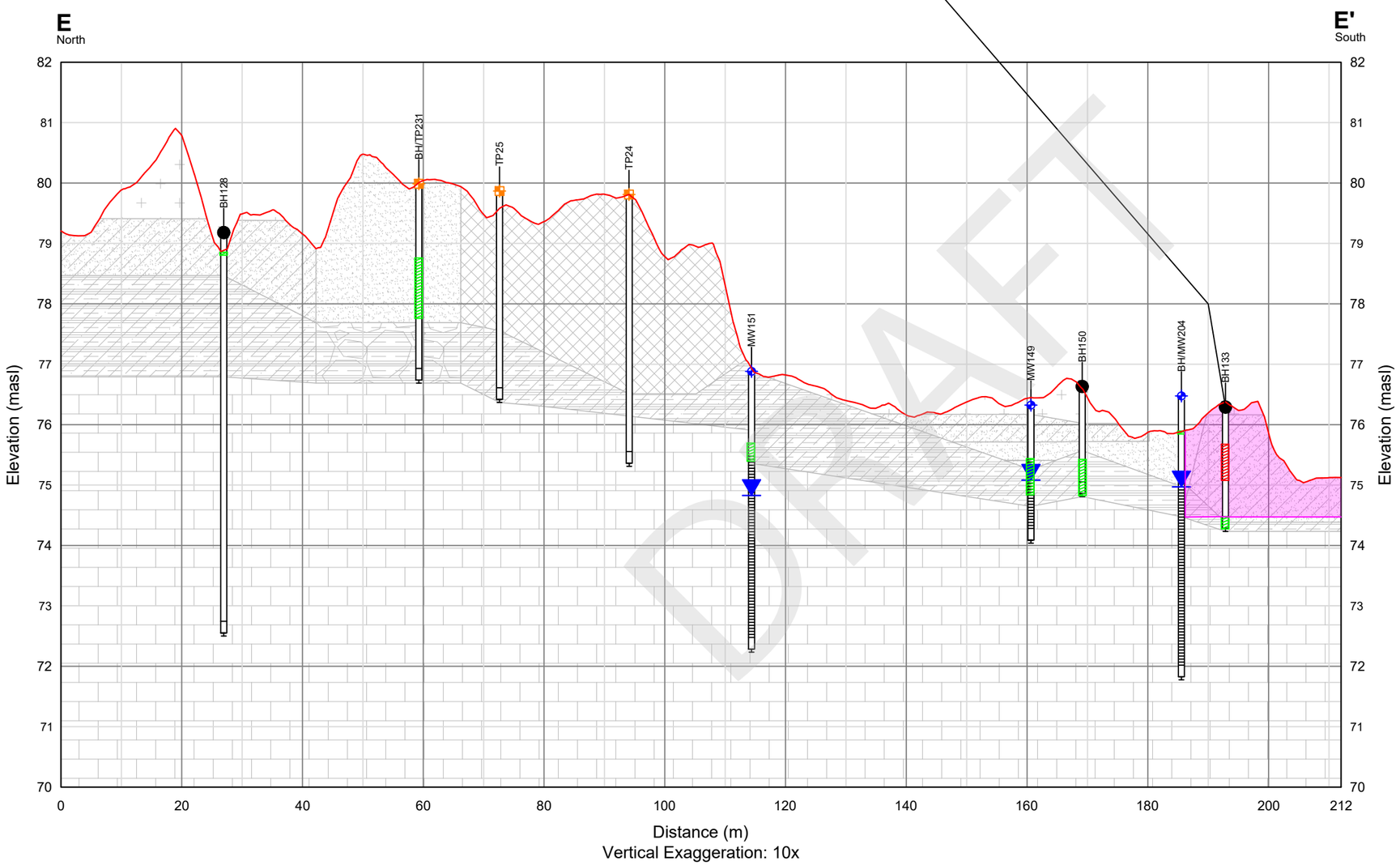
Sample Location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6 - 1.2	1.9 - 2.1
Phenol	ug/g	9.4	39	6.7



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Sandy Silty Clay
- Fill
- Clayey Gravel
- Groundwater Elevation (December, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - ABNs Cross-Section E-E'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-7c	0

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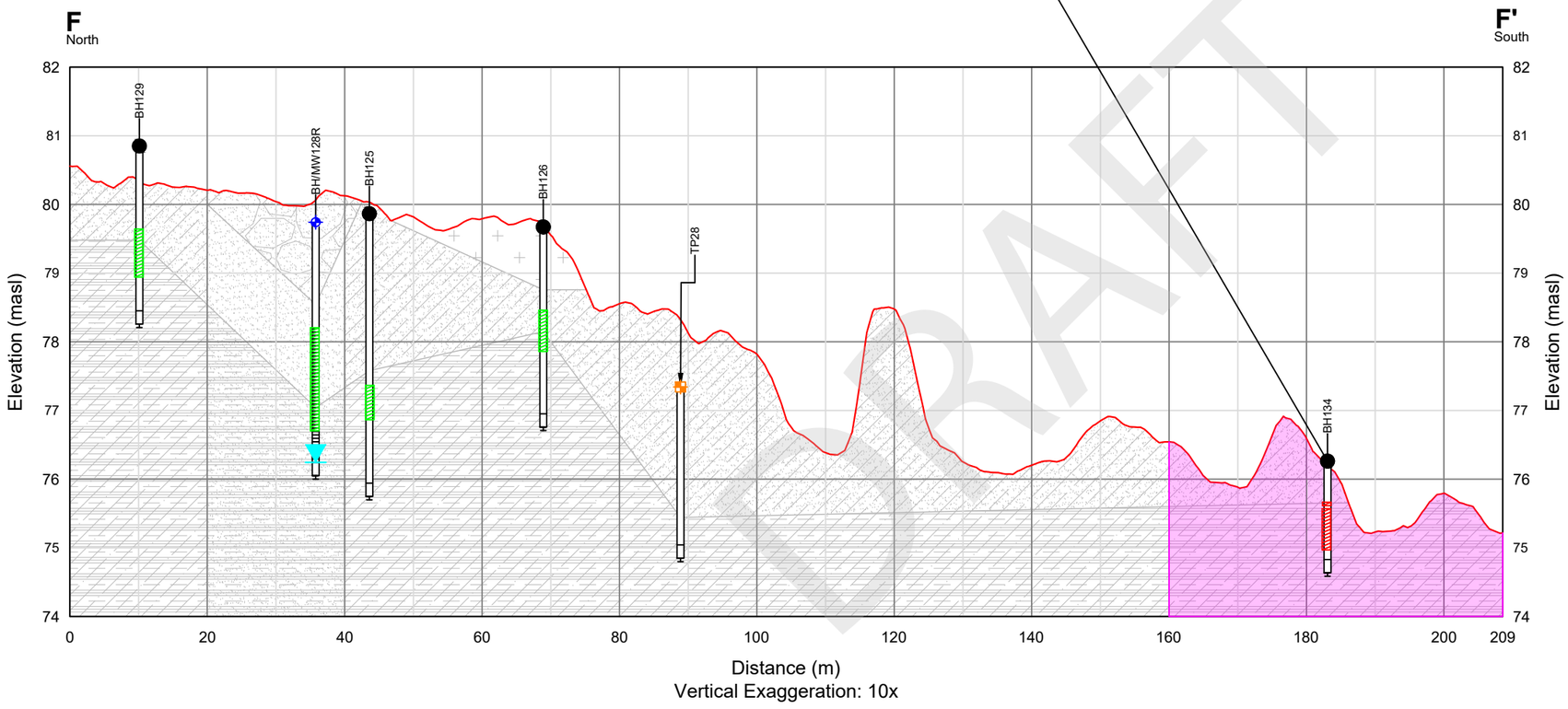
Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6	0.6 - 1.2
Bis(2-chloroethyl)ether	ug/g	0.5	<10	10.2
Bis(2-ethylhexyl)phthalate	ug/g	5	12.3	<0.1
Phenol	ug/g	9.4	65.4	<0.1



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Sandy Gravel
- Groundwater Elevation (July, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

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0 16 32 Metres
1:800

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CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - ABNs Cross-Section F-F'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
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Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-7d	0

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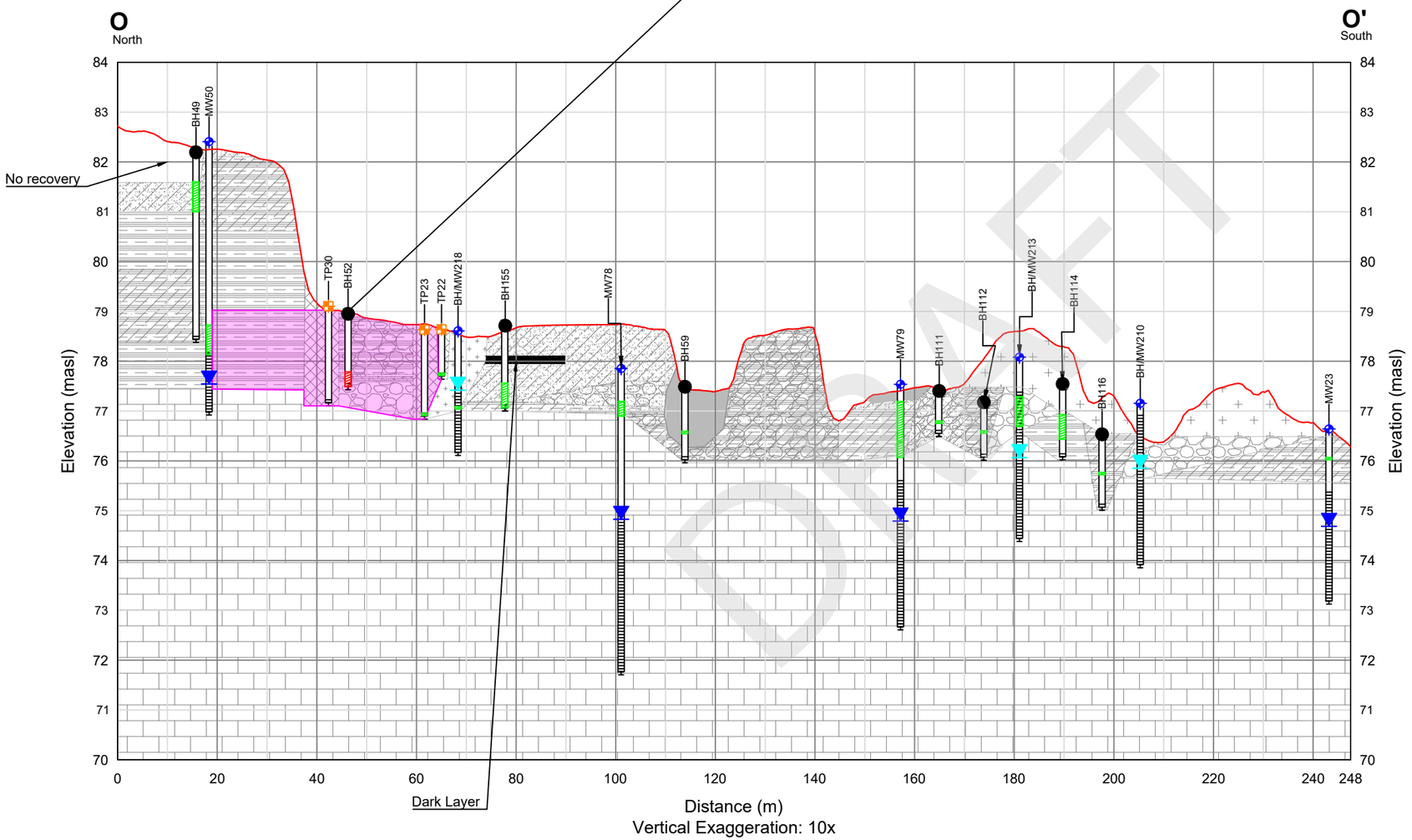
Sample Location			BH52-SS2	BH52-SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-05	2011-Jul-05
			0.6 - 1.2	1.2 - 1.5
Phenol	ug/g	9.4	-	88.3



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Asphalt
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20 40 Metres
1:1000

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CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - ABNs Cross-Section O-O'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-7e	0

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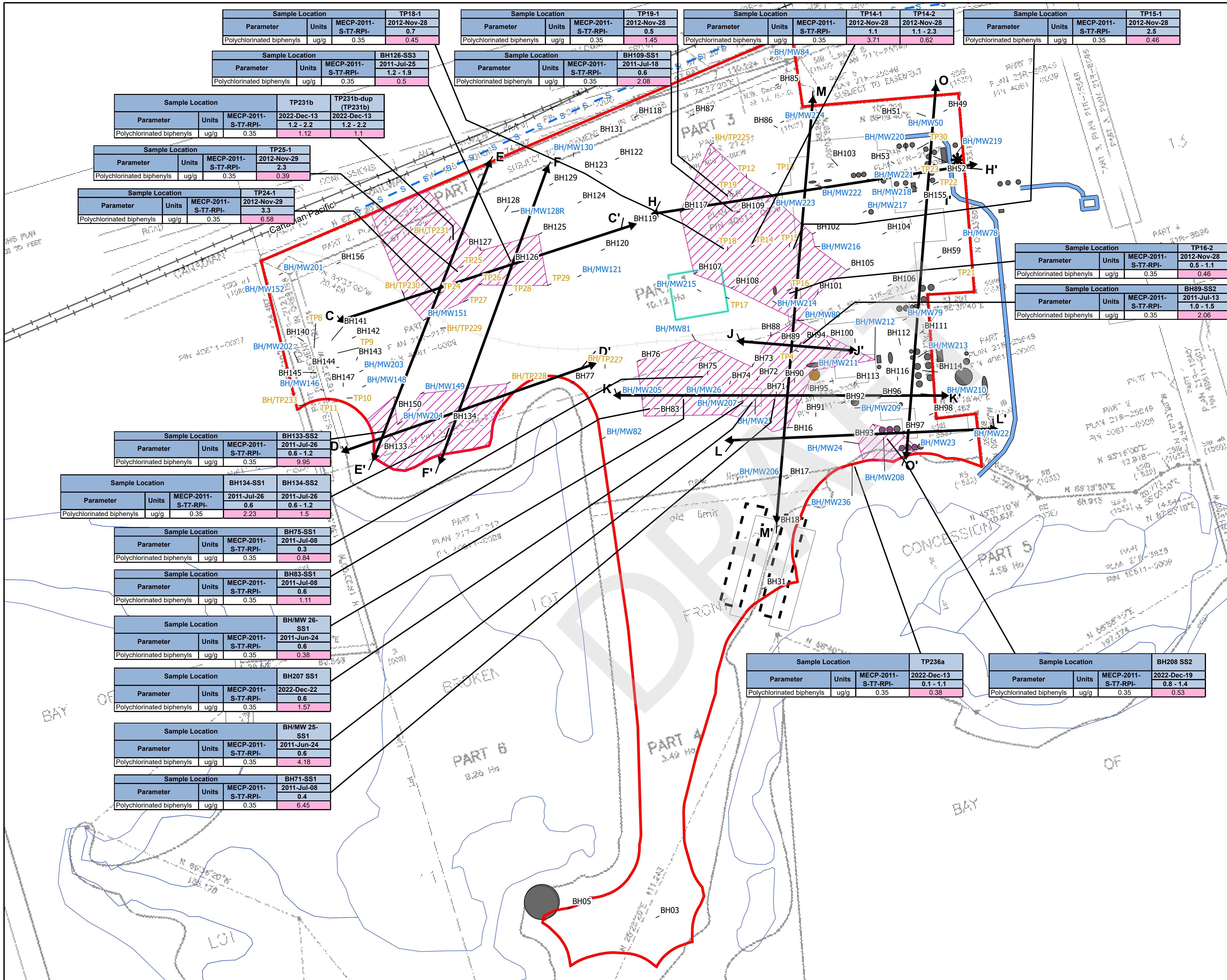

Sample Location			TP18-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28
			0.7
Polychlorinated biphenyls	ug/g	0.35	0.45

Sample Location			TP19-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28
			0.5
Polychlorinated biphenyls	ug/g	0.35	1.45

Sample Location			TP14-1	TP14-2
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28	2012-Nov-28
			1.1	1.1 - 2.3
Polychlorinated biphenyls	ug/g	0.35	3.71	0.62

Sample Location			TP15-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28
			2.5
Polychlorinated biphenyls	ug/g	0.35	0.46

Sample Location			BH126-SS3
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-25
			1.2 - 1.9
Polychlorinated biphenyls	ug/g	0.35	0.5

Sample Location			BH109-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-18
			0.6
Polychlorinated biphenyls	ug/g	0.35	2.08

Sample Location			TP231b	TP231b-dup (TP231b)
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-13	2022-Dec-13
			1.2 - 2.2	1.2 - 2.2
Polychlorinated biphenyls	ug/g	0.35	1.12	1.1

Sample Location			TP25-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-29
			2.3
Polychlorinated biphenyls	ug/g	0.35	0.39

Sample Location			TP24-1
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-29
			3.3
Polychlorinated biphenyls	ug/g	0.35	6.58

Sample Location			TP16-2
Parameter	Units	MECP-2011-S-T7-RPI-	2012-Nov-28
			0.5 - 1.1
Polychlorinated biphenyls	ug/g	0.35	0.46

Sample Location			BH89-SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-13
			1.0 - 1.5
Polychlorinated biphenyls	ug/g	0.35	2.06

Sample Location			BH133-SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-26
			0.6 - 1.2
Polychlorinated biphenyls	ug/g	0.35	9.95

Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-26	2011-Jul-26
			0.6	0.6 - 1.2
Polychlorinated biphenyls	ug/g	0.35	2.23	1.5

Sample Location			BH75-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-08
			0.3
Polychlorinated biphenyls	ug/g	0.35	0.84

Sample Location			BH83-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-08
			0.6
Polychlorinated biphenyls	ug/g	0.35	1.11

Sample Location			BH/MW 26-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jun-24
			0.6
Polychlorinated biphenyls	ug/g	0.35	0.38

Sample Location			BH207 SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22
			0.6
Polychlorinated biphenyls	ug/g	0.35	1.57

Sample Location			BH/MW 25-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jun-24
			0.6
Polychlorinated biphenyls	ug/g	0.35	4.18

Sample Location			BH71-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-08
			0.4
Polychlorinated biphenyls	ug/g	0.35	6.45

Sample Location			TP236a
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-13
			0.1 - 1.1
Polychlorinated biphenyls	ug/g	0.35	0.38

Sample Location			BH208 SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-19
			0.8 - 1.4
Polychlorinated biphenyls	ug/g	0.35	0.53

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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0 25 50 Metres
1:2,500

CLIENT
2255718 Ontario LTD

PROJECT
Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE
Impacts to Soil - PCBs

BluMetric Environmental
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

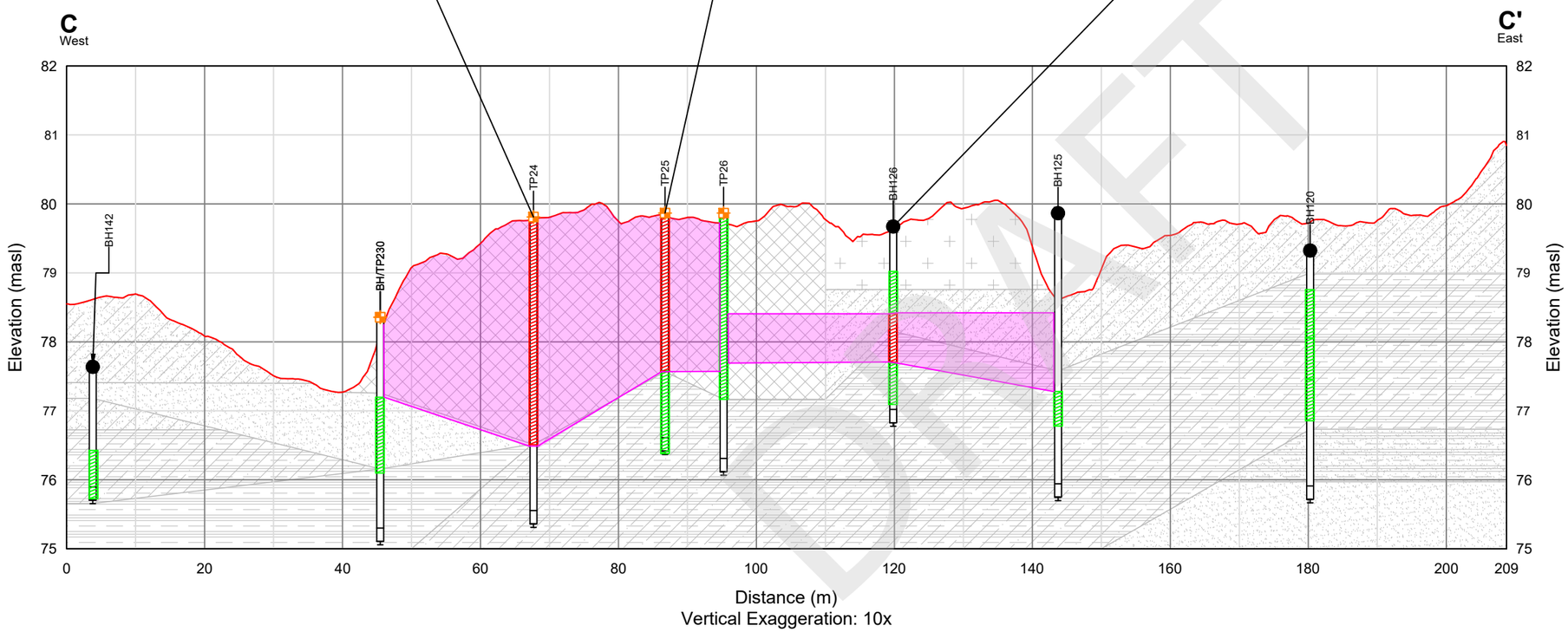
PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-8a	3

Sample Location			TP24-1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-29
			0.0 - 3.3
Polychlorinated biphenyls	ug/g	0.35	6.58

Sample Location			TP25-1	TP25-2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-29	2012-Nov-29
			0.0 - 2.3	2.3 - 3.5
Polychlorinated biphenyls	ug/g	0.35	0.39	<0.1

Sample Location			BH126-SS2	BH126-SS3	BH126-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-25	2011-Jul-25	2011-Jul-25
			0.6 - 1.2	1.2 - 1.9	1.9 - 2.5
Polychlorinated biphenyls	ug/g	0.35	0.3	0.5	<0.02



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
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REFERENCES

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0 15 30 Metres
1:750

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CLIENT

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PCBs Cross-Section C-C'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-8b	0

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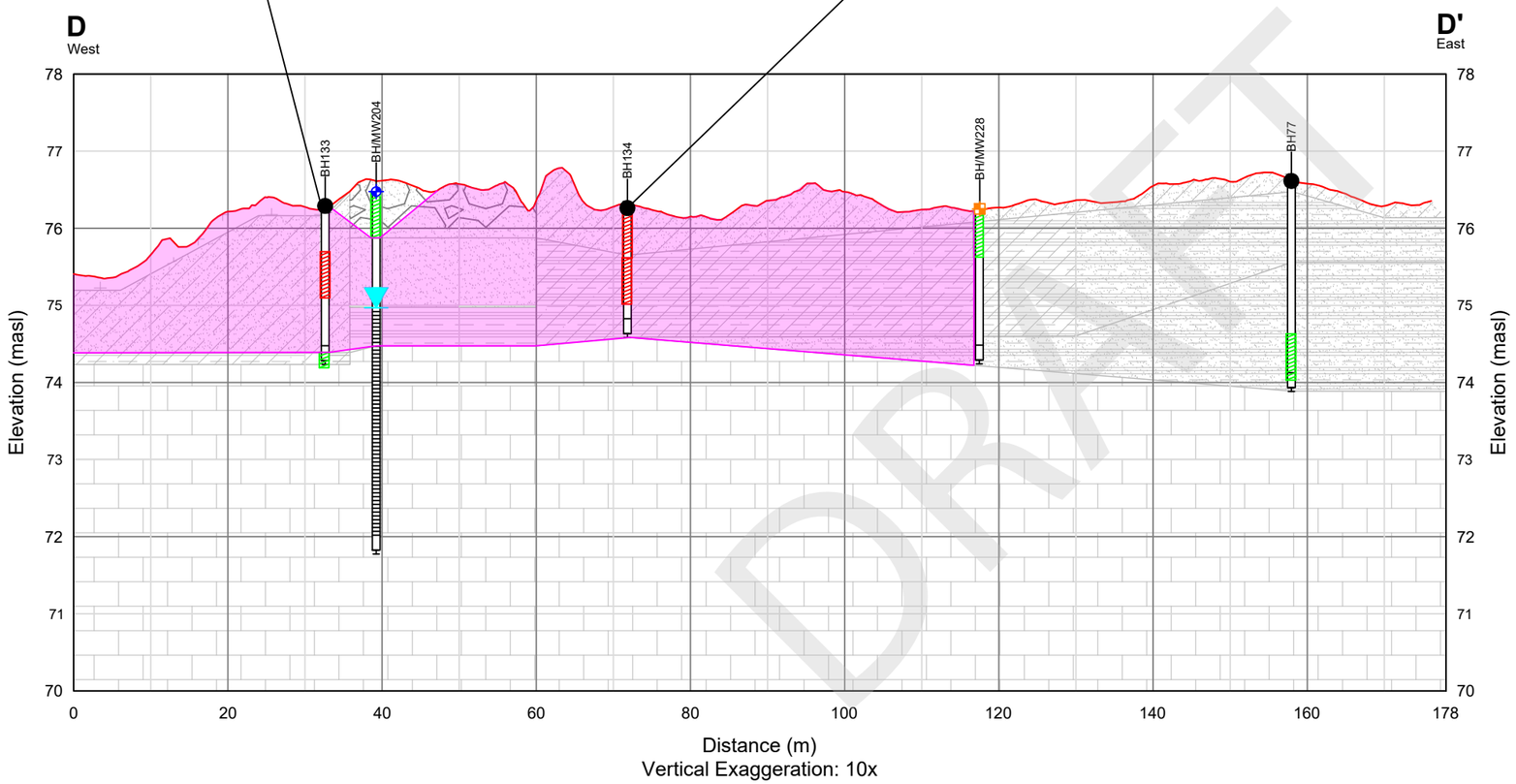
Sample Location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6 - 1.2	1.9 - 2.1
Polychlorinated biphenyls	ug/g	0.35	9.95	<0.01

Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.0 - 0.6	0.6 - 1.2
Polychlorinated biphenyls	ug/g	0.35	2.23	1.5



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PCBs Cross-Section D-D'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-8c	0

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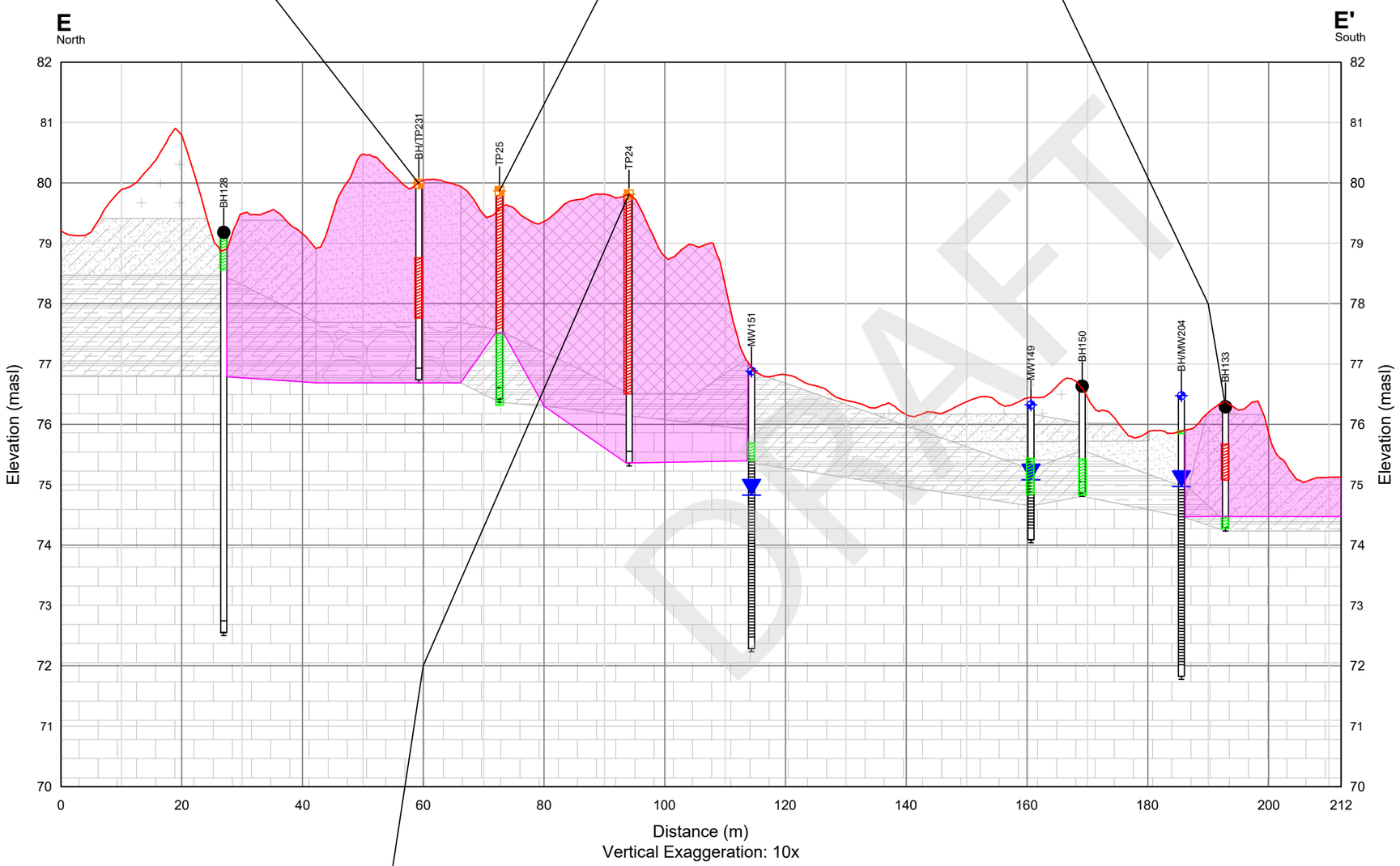
Sample Location			TP231b	TP231b-dup (TP231b)
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-13	2022-Dec-13
			1.2 - 2.2	1.2 - 2.2
Polychlorinated biphenyls	ug/g	0.35	1.12	1.1

Sample Location			TP25-1	TP25-2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-29	2012-Nov-29
			0.0 - 2.3	2.3 - 3.5
Polychlorinated biphenyls	ug/g	0.35	0.39	<0.1

Sample Location			BH133-SS2	BH133-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.6 - 1.2	1.9 - 2.1
Polychlorinated biphenyls	ug/g	0.35	9.95	<0.01



Sample Location			TP24-1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-29
			0.0 - 3.3
Polychlorinated biphenyls	ug/g	0.35	6.58

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Sandy Silty Clay
- Fill
- Clayey Gravel
- Groundwater Elevation (December, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

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2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PCBs Cross-Section E-E'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-8d	0

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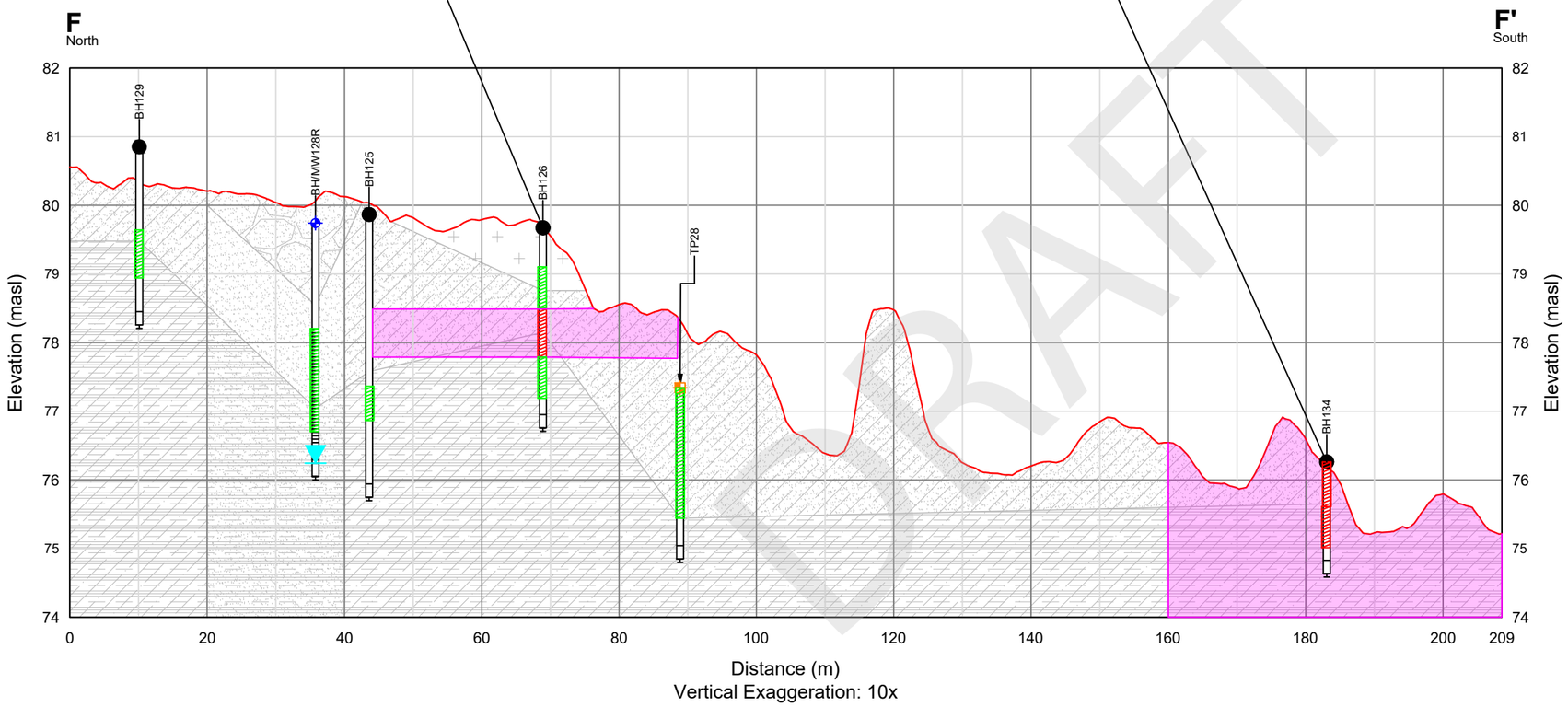
Sample Location			BH126-SS2	BH126-SS3	BH126-SS4
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-25	2011-Jul-25	2011-Jul-25
			0.6 - 1.2	1.2 - 1.9	1.9 - 2.5
Polychlorinated biphenyls	ug/g	0.35	0.3	0.5	<0.02

Sample Location			BH134-SS1	BH134-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-26	2011-Jul-26
			0.0 - 0.6	0.6 - 1.2
Polychlorinated biphenyls	ug/g	0.35	2.23	1.5



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Sandy Gravel
- Groundwater Elevation (July, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

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2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PCBs Cross-Section F-F'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-8e	0

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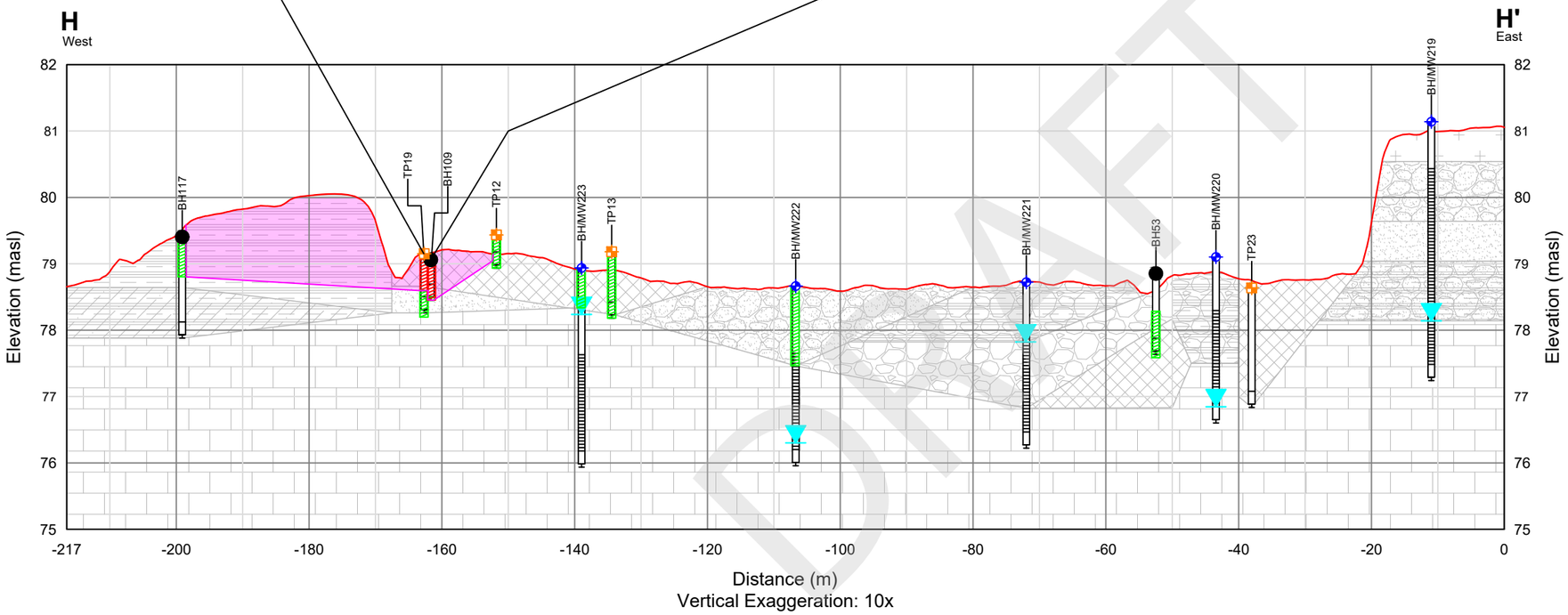
Sample Location			TP19-1	TP19-2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-28	2012-Nov-28
			0.0 - 0.5	0.5 - 0.9
Polychlorinated biphenyls	ug/g	0.35	1.45	0.04

Sample Location			BH109-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-18
			0.0 - 0.6
Polychlorinated biphenyls	ug/g	0.35	2.08



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Fill
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Sandy Gravel
- Sandy Clayey Gravel
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

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2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PCBs Cross-Section H-H'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-8f	0

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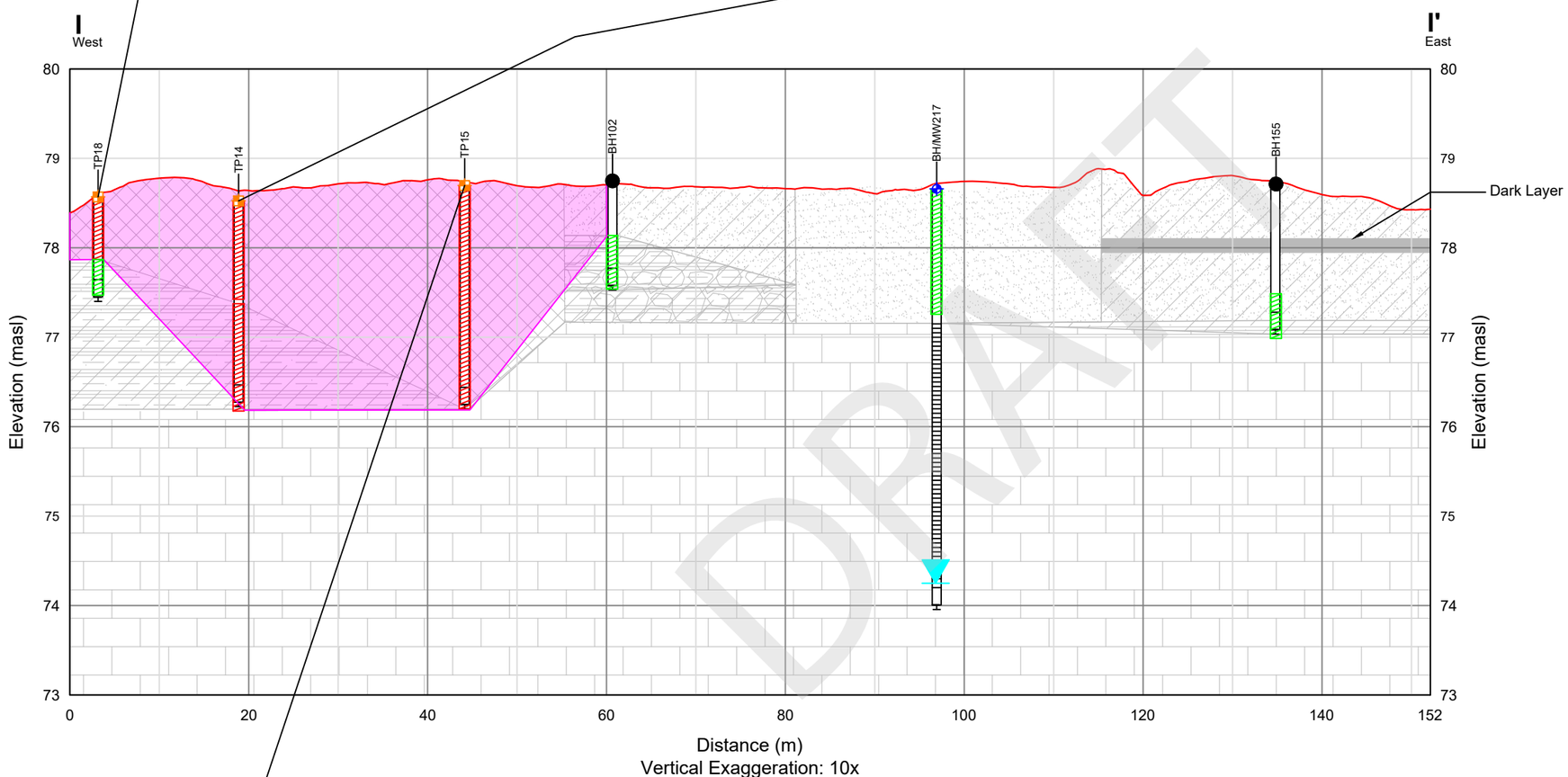
Sample Location			TP18-1	TP18-2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-28	2012-Nov-28
			0.0 - 0.7	0.7 - 1.2
Polychlorinated biphenyls	ug/g	0.35	0.45	<0.02

Sample Location			TP14-1	TP14-2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-28	2012-Nov-28
			0.0 - 1.1	1.1 - 2.3
Polychlorinated biphenyls	ug/g	0.35	3.71	0.62



Sample Location			TP15-1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-28
			0.0 - 2.5
Polychlorinated biphenyls	ug/g	0.35	0.46

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Silty Clayey Grave
- Filll
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
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REFERENCES

0 12 24 Metres
1:600

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PCBs Cross-Section I-I'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-8g	0

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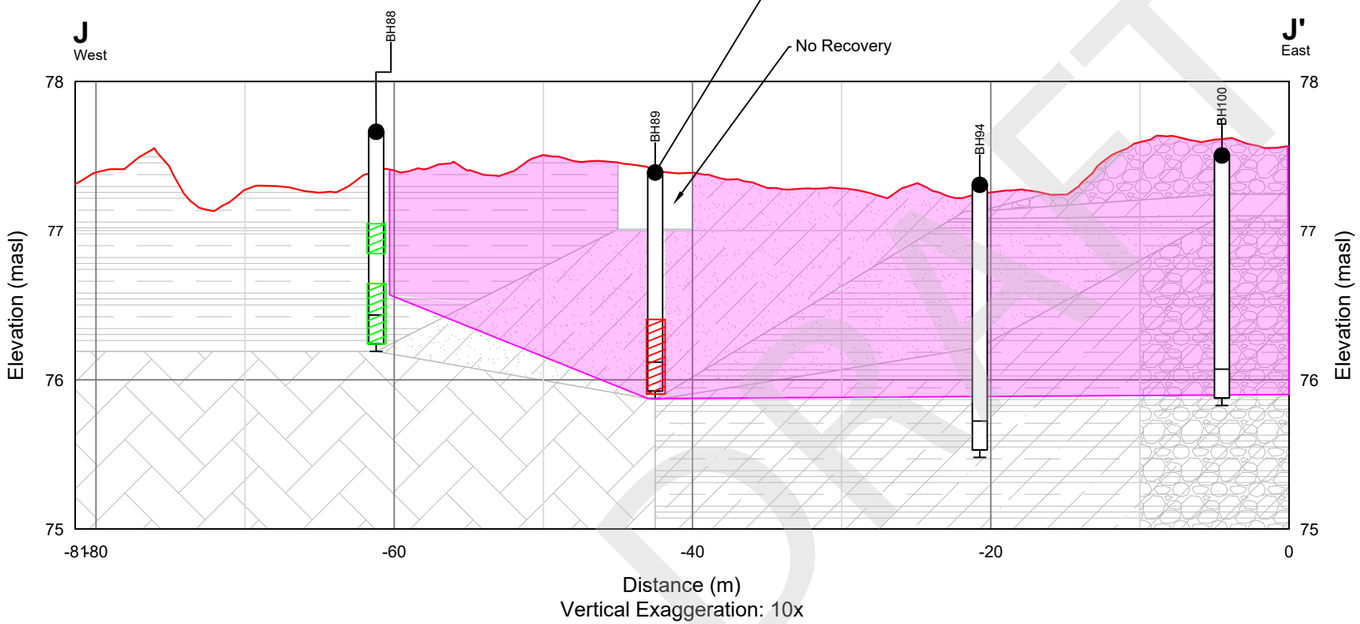
Sample Location			BH89-SS1	BH89-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-13	2011-Jul-13
			0.4 - 1.0	1.0 - 1.5
Polychlorinated biphenyls	ug/g	0.35	-	2.06



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Shale
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Silty Gravel
- Silty Clayey Gravel
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

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0 8 16 Metres
1:400

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PCBs
Cross-Section J-J'

1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-8h	0

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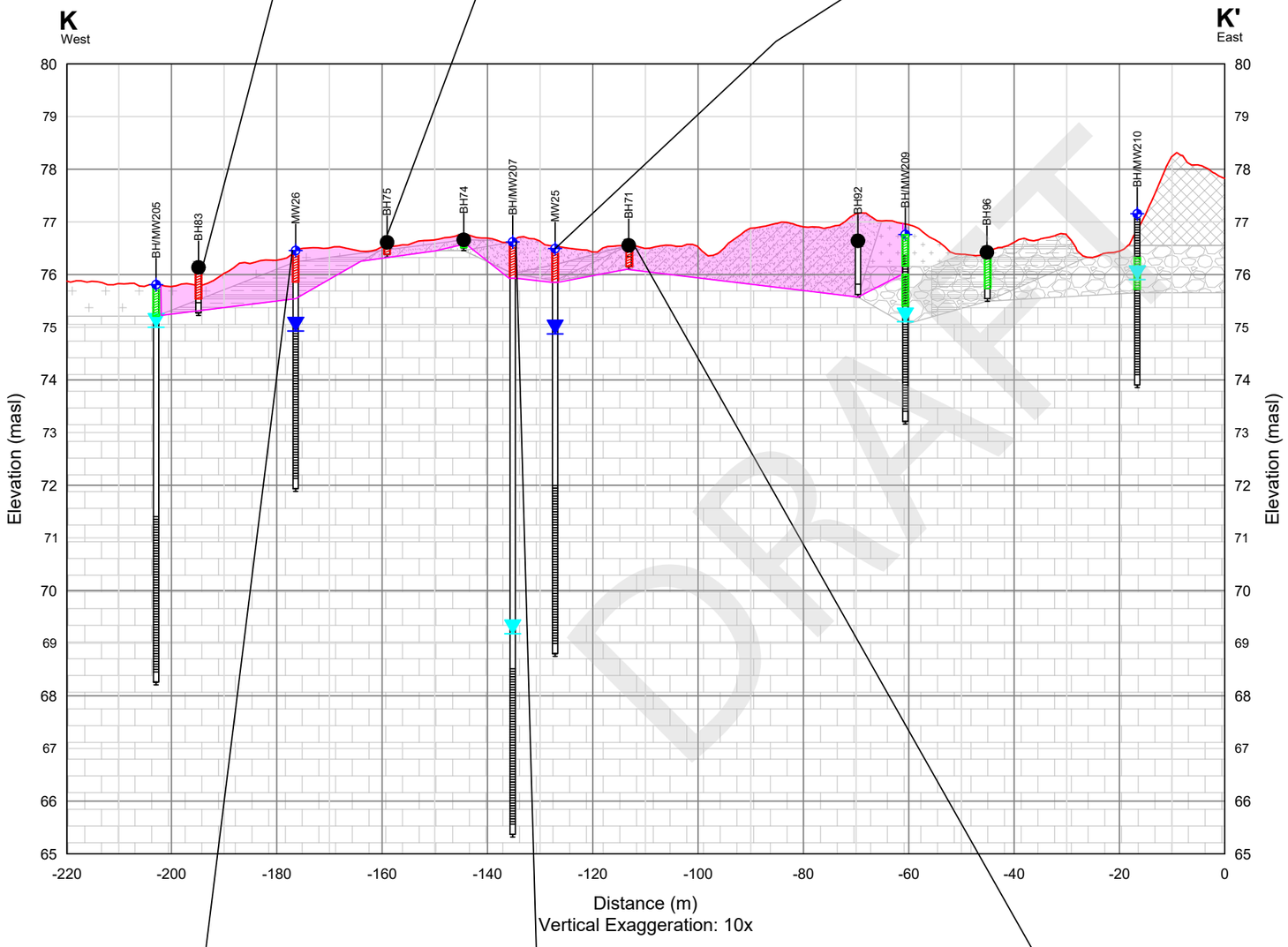
Sample Location			BH83-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-08
			0.0 - 0.6
Polychlorinated biphenyls	ug/g	0.35	1.11

Sample Location			BH75-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-08
			0.0 - 0.3
Polychlorinated biphenyls	ug/g	0.35	0.84

Sample Location			BH/MW 25-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-24
			0.0 - 0.6
Polychlorinated biphenyls	ug/g	0.35	4.18



Sample Location			BH/MW 26-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jun-24
			0.0 - 0.6
Polychlorinated biphenyls	ug/g	0.35	0.38

Sample Location			BH207 SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-22
			0.0 - 0.6
Polychlorinated biphenyls	ug/g	0.35	1.57

Sample Location			BH71-SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-08
			0.0 - 0.4
Polychlorinated biphenyls	ug/g	0.35	6.45

M'

LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 20 40 Metres
1:1000

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PCBs Cross-Section K-K'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-8i	0

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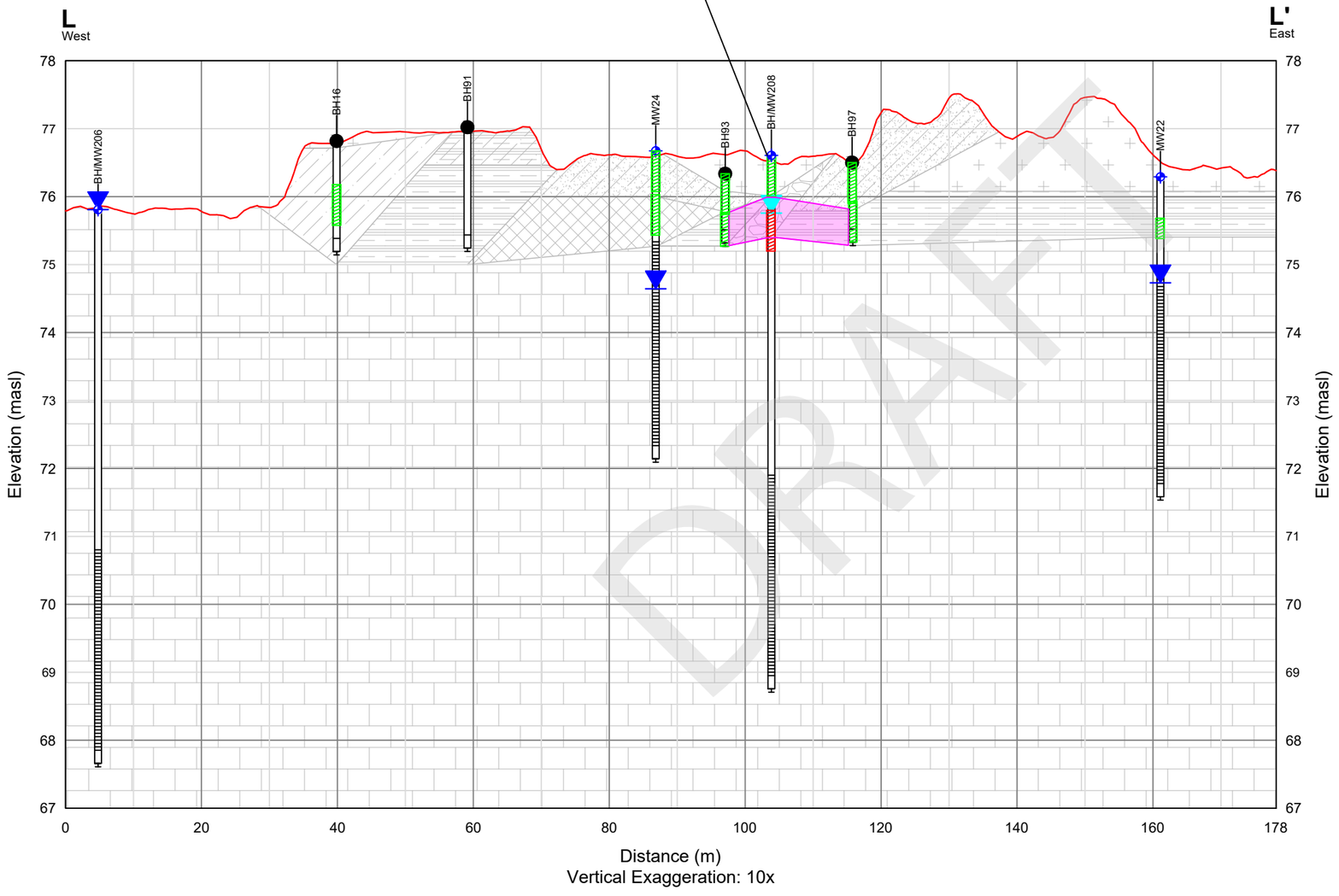
Sample Location			BH208 SS1	BH208 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.0 - 0.6	0.8 - 1.4
Polychlorinated biphenyls	ug/g	0.35	0.28	0.53



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PCBs Cross-Section L-L'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-8i	0

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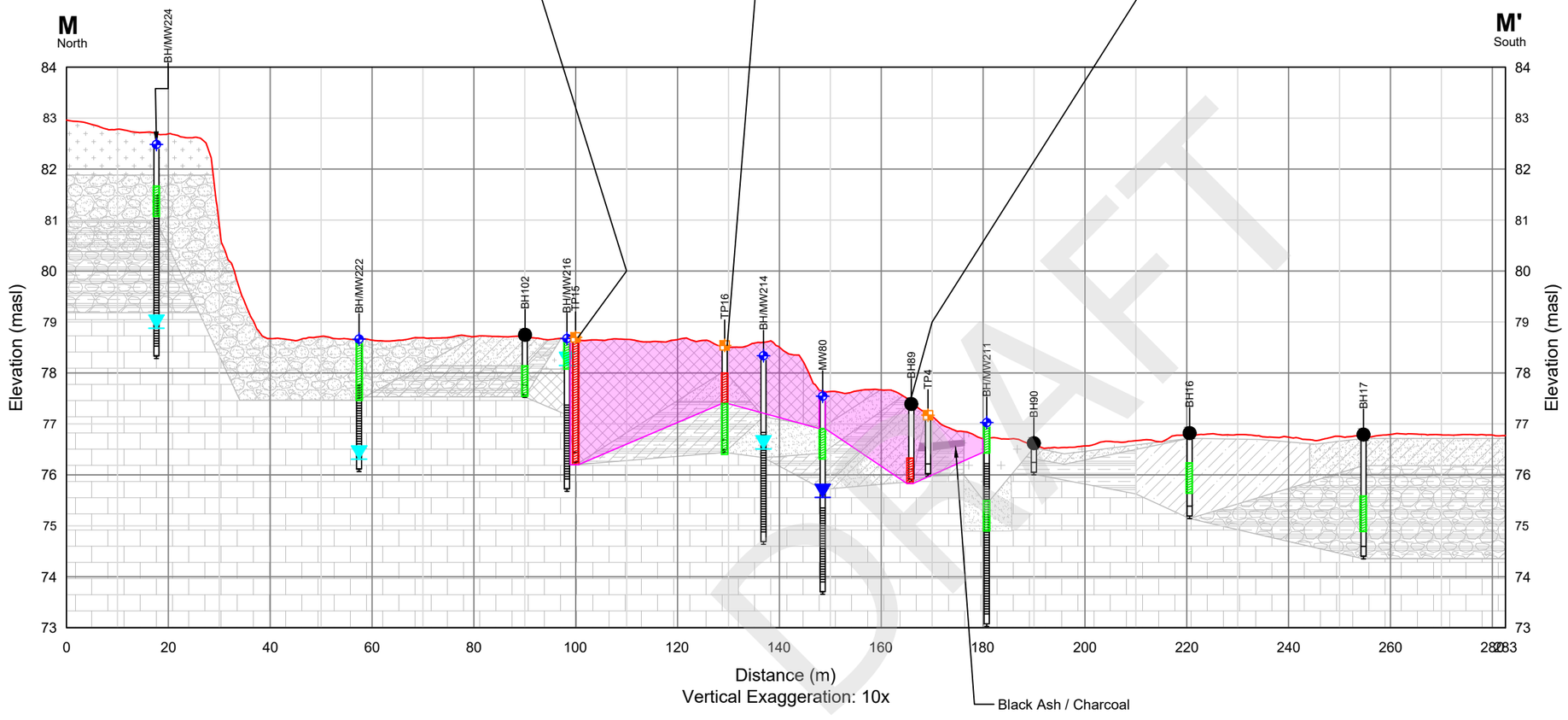
Sample Location			TP15-1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-28
			0.0 - 2.5
Polychlorinated biphenyls	ug/g	0.35	0.46

Sample Location			TP16-2	TP16-3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2012-Nov-28	2012-Nov-28
			0.5 - 1.1	1.1 - 2.1
Polychlorinated biphenyls	ug/g	0.35	0.46	<0.1

Sample Location			BH89-SS1	BH89-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-13	2011-Jul-13
			0.4 - 1.0	1.0 - 1.5
Polychlorinated biphenyls	ug/g	0.35	-	2.06



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

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0 20 40 Metres
1:1000

N W E S

CLIENT

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PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - PCBs Cross-Section M-M'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-8j	0

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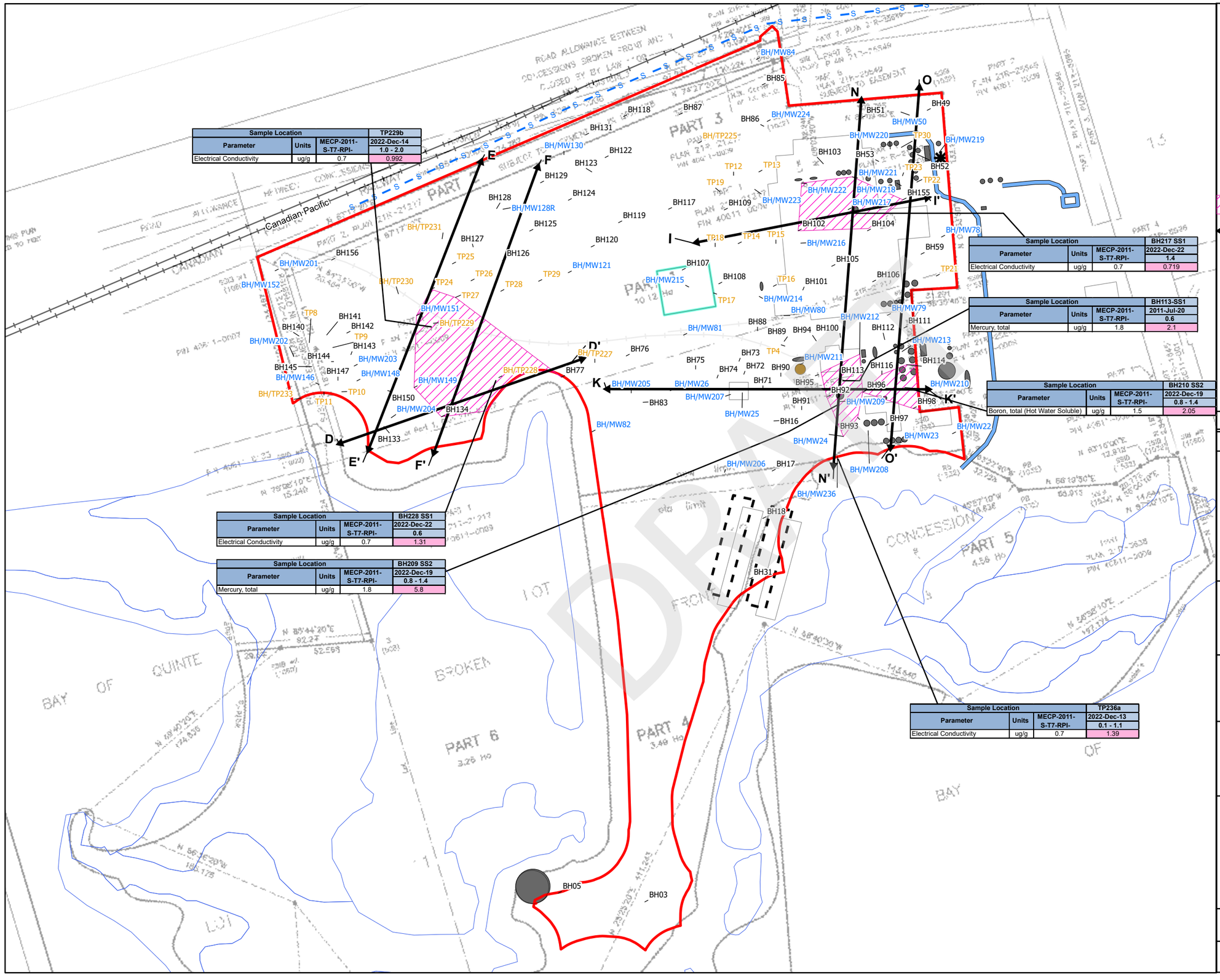

Sample Location			TP229b
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-14
			1.0 - 2.0
Electrical Conductivity	ug/g	0.7	0.992

Sample Location			BH228 SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22
			0.6
Electrical Conductivity	ug/g	0.7	1.31

Sample Location			BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-19
			0.8 - 1.4
Mercury, total	ug/g	1.8	5.8

Sample Location			BH217 SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-22
			1.4
Electrical Conductivity	ug/g	0.7	0.719

Sample Location			BH113-SS1
Parameter	Units	MECP-2011-S-T7-RPI-	2011-Jul-20
			0.6
Mercury, total	ug/g	1.8	2.1

Sample Location			BH210 SS2
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-19
			0.8 - 1.4
Boron, total (Hot Water Soluble)	ug/g	1.5	2.05

Sample Location			TP236a
Parameter	Units	MECP-2011-S-T7-RPI-	2022-Dec-13
			0.1 - 1.1
Electrical Conductivity	ug/g	0.7	1.39

LEGEND

- Borehole
- Monitoring Well
- Test Pit
- Sample result below applicable SCS
- Sample result above applicable SCS
- Sample location not tested for parameter
- Contamination Plume
- Cross Section Alignment
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Soil - ORP

BluMetric Environmental
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-9a	3

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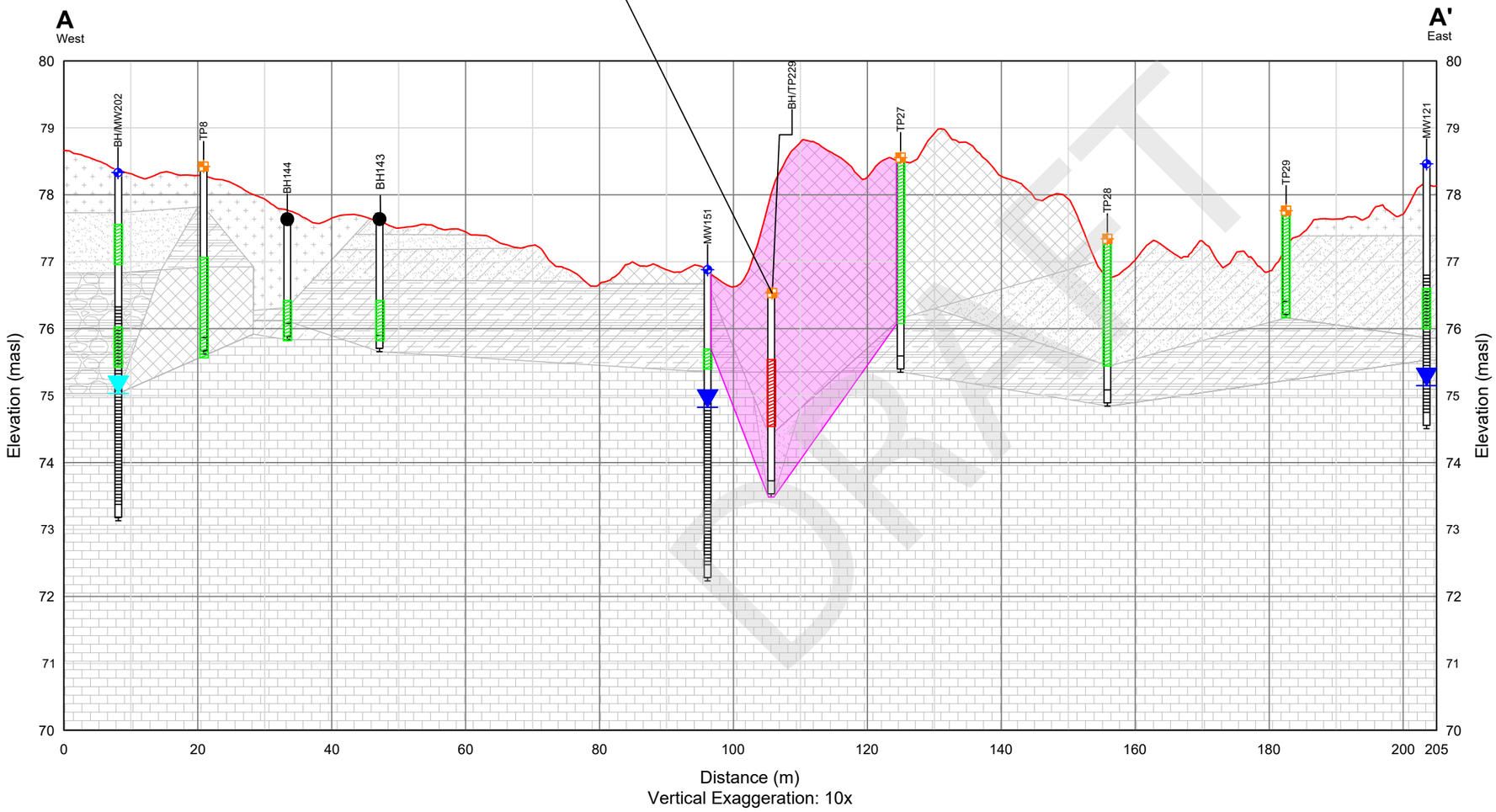
Sample Location			TP229b
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-14
			1.0 - 2.0
Electrical Conductivity	ug/g	0.7	0.992



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - ORPs Cross-Section A-A'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-9b	0

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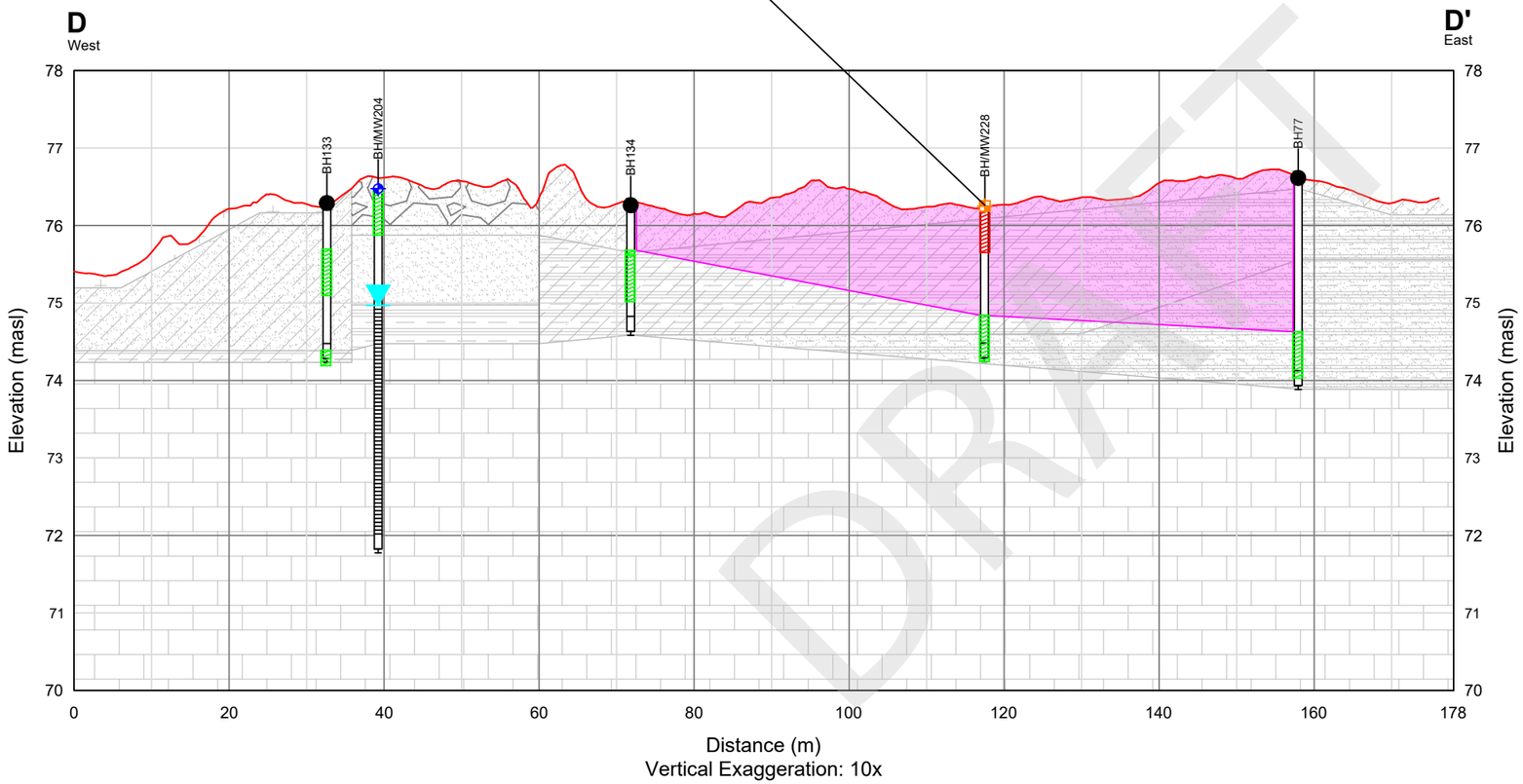
Sample Location			BH228 SS1	BH228 SS3
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-22	2022-Dec-22
			0.0 - 0.6	1.5 - 2.1
Electrical Conductivity	ug/g	0.7	1.31	0.222



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - ORPs Cross-Section D-D'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-9c	0

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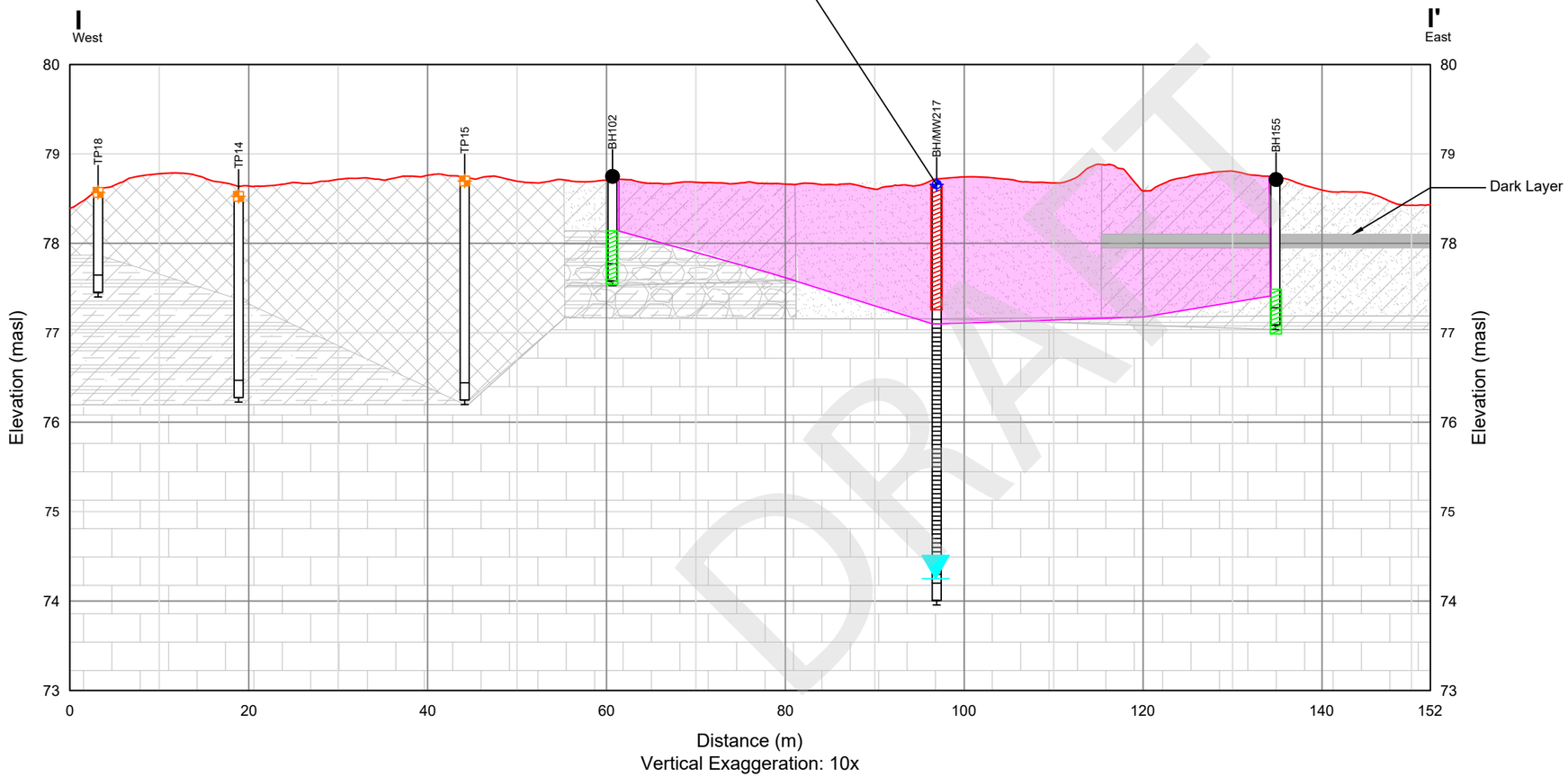
Sample Location			BH217 SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-22
			0.0 - 1.4
Electrical Conductivity	ug/g	0.7	0.719



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Fillll
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 12 24 Metres
1:600

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - ORPs
Cross-Section I-I'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-9d	0

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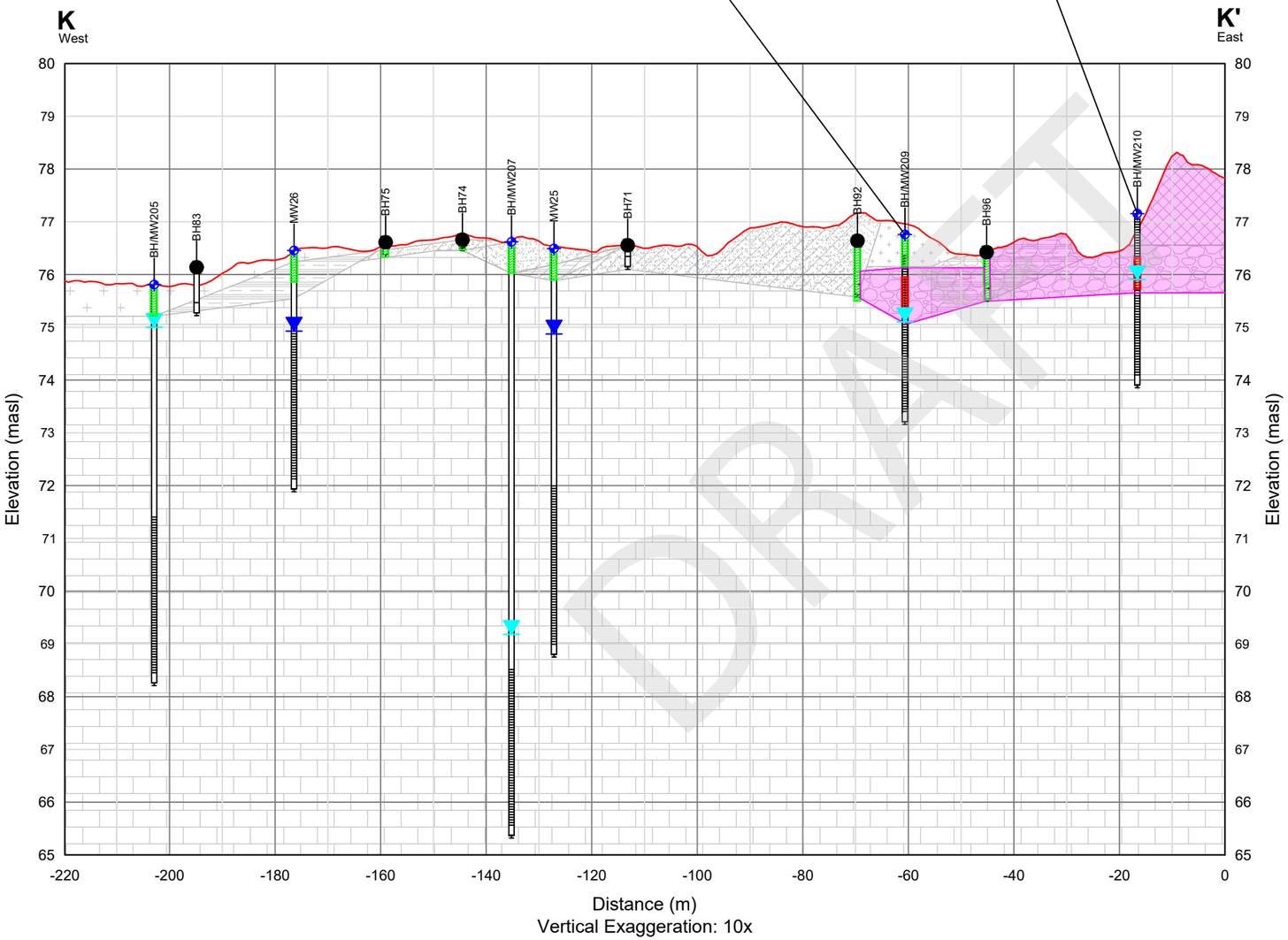
Sample Location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.0 - 0.6	0.8 - 1.4
Mercury, total	ug/g	1.8	0.93	5.8

Sample Location			BH210 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19
			0.8 - 1.4
Boron, total (Hot Water Soluble)	ug/g	1.5	2.05



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - ORPs Cross-Section K-K'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE		
220509	August 3, 2023		
DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-9e	0

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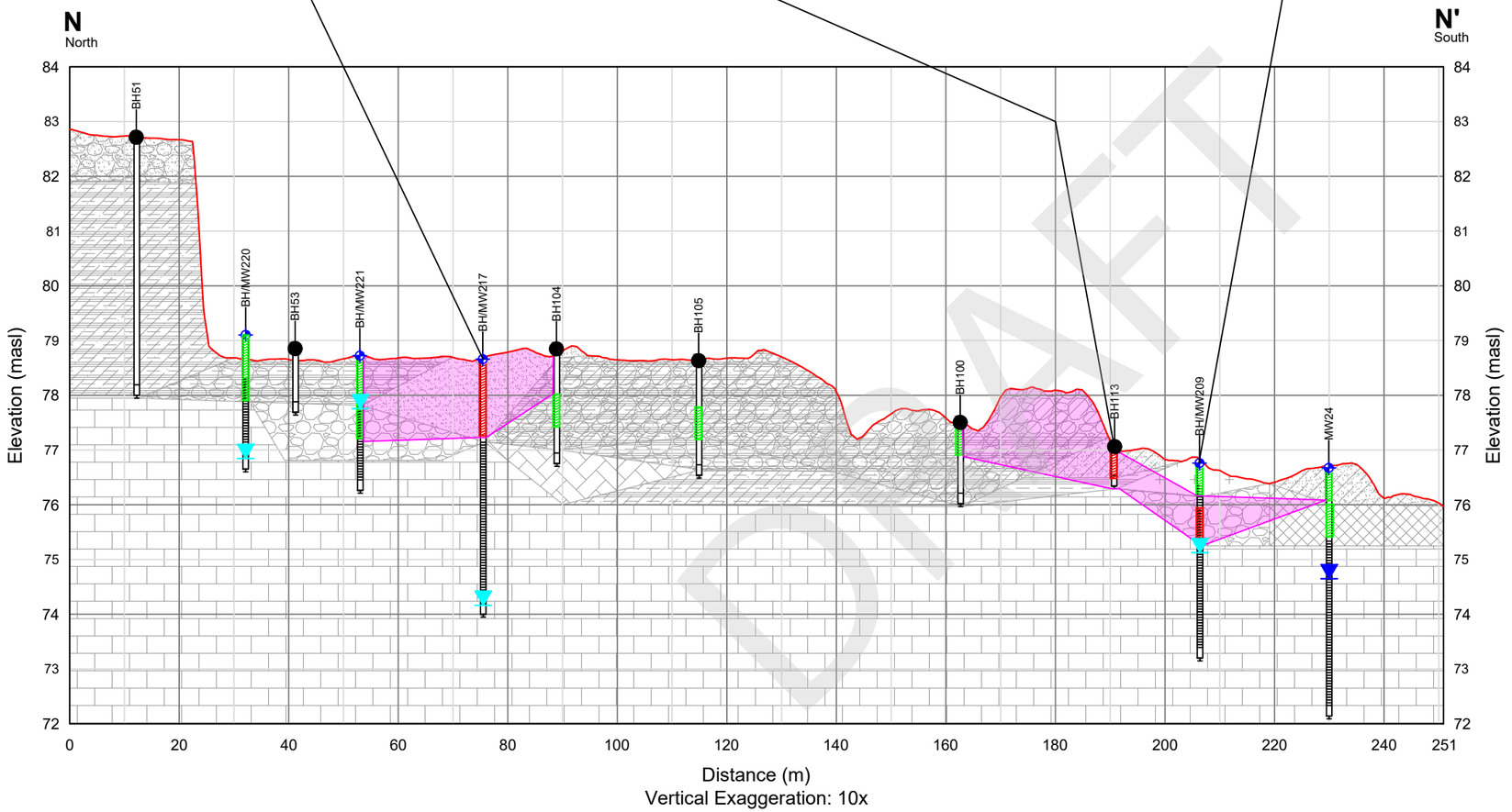
Sample Location			BH217 SS1
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-22
			0.0 - 1.4
Electrical Conductivity	ug/g	0.7	0.719

Sample Location			BH113-SS1	BH113-SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2011-Jul-20	2011-Jul-20
			0.0 - 0.6	0.6 - 0.8
Mercury, total	ug/g	1.8	2.1	0.3

Sample Location			BH209 SS1	BH209 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19	2022-Dec-19
			0.0 - 0.6	0.8 - 1.4
Mercury, total	ug/g	1.8	0.93	5.8



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Silty Clayey Gravel
- Shale
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - ORPs Cross-Section N-N'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-9f	0

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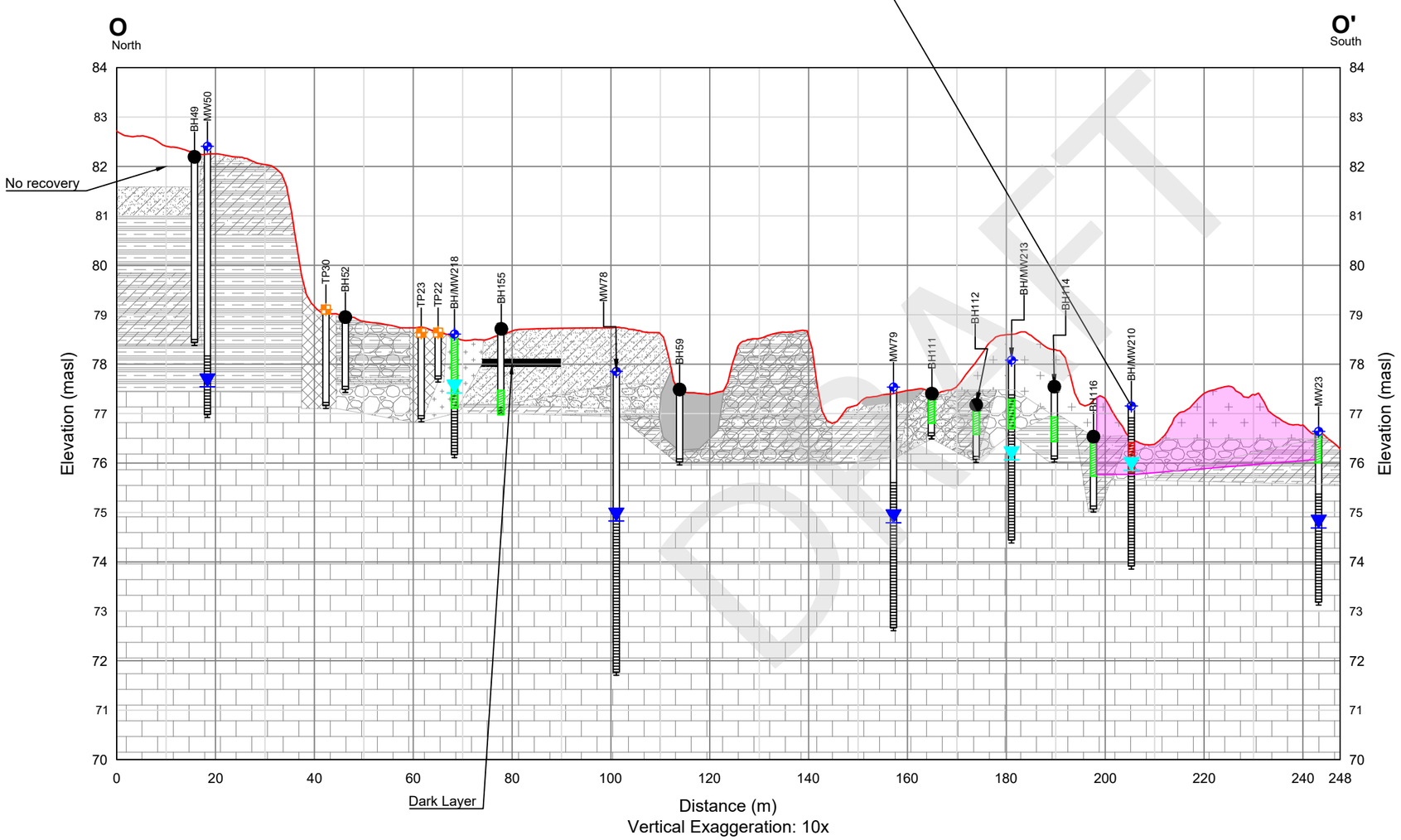
Sample Location			BH210 SS2
Parameter	Units	MECP-2011-S-T7-RPI-FMT	2022-Dec-19 0.8 - 1.4
Boron, total (Hot Water Soluble)	ug/g	1.5	2.05



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Asphalt
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Soil - ORPs Cross-Section O-O'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-9g	0

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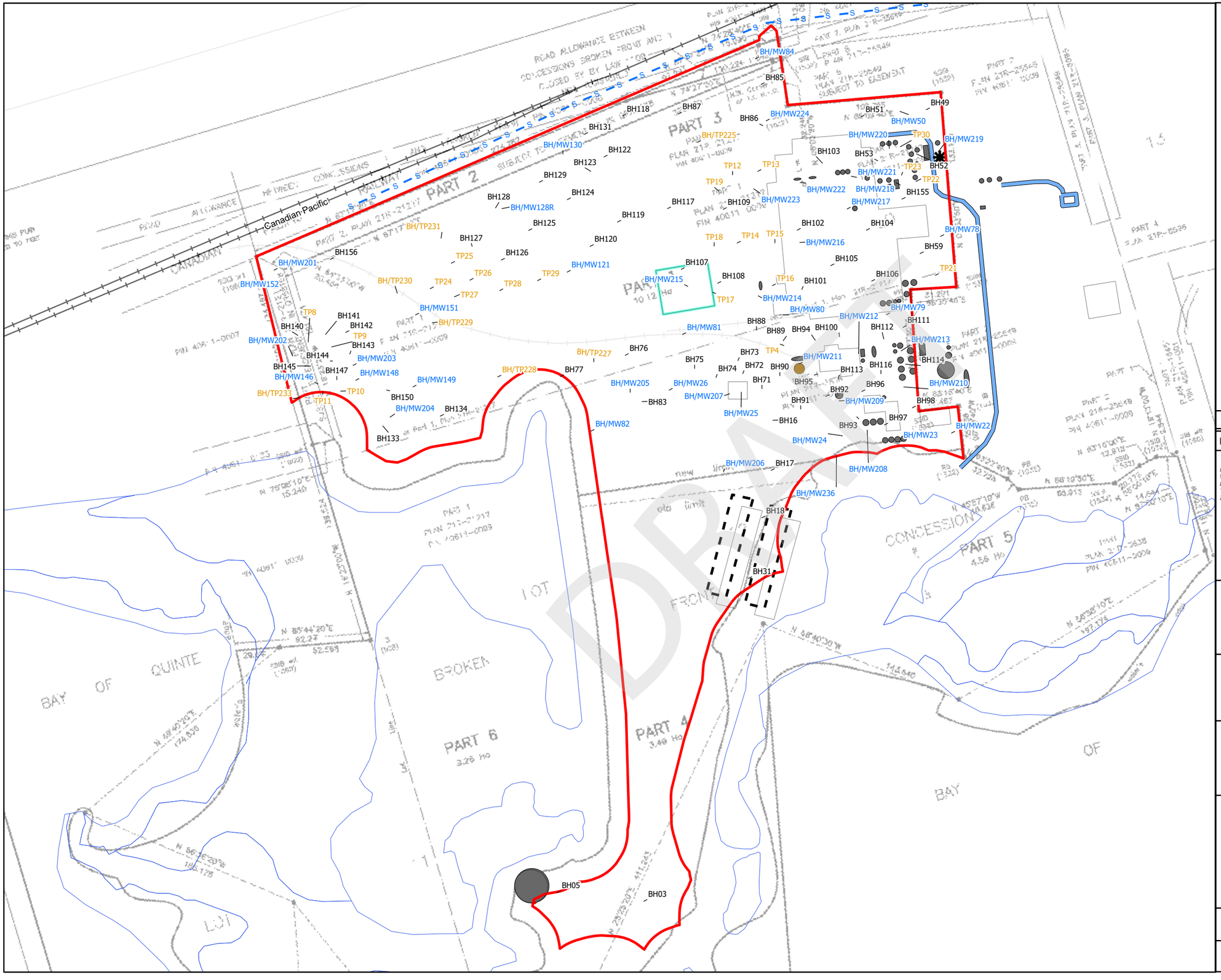

LEGEND

- Borehole
- Monitoring Well
- Test Pit
- Sample result below applicable SCS
- Sample result above applicable SCS
- Sample location not tested for parameter
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- S — S Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Soil - OC

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-10a	3

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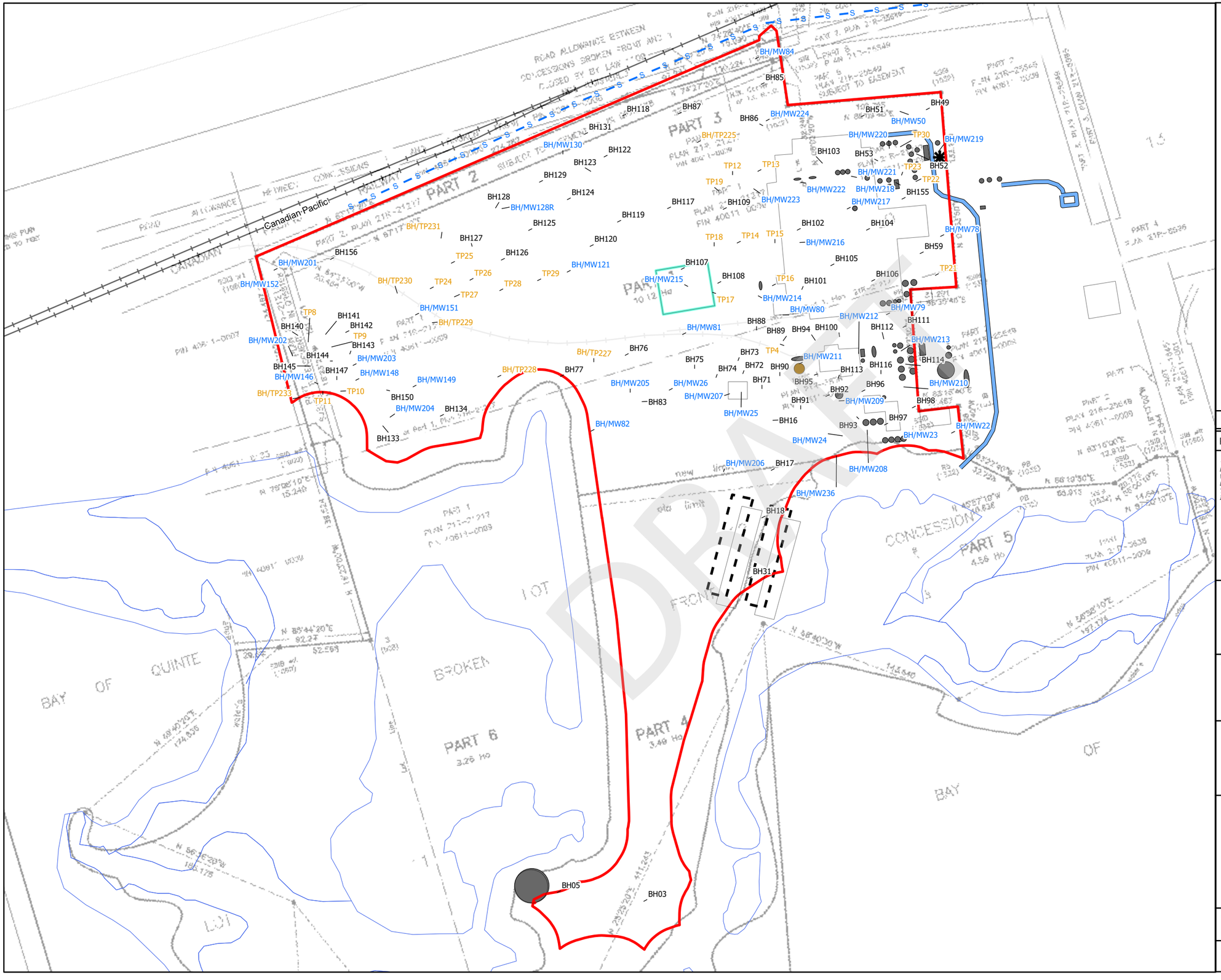

LEGEND

- Borehole
- Monitoring Well
- Test Pit
- Sample result below applicable SCS
- Sample result above applicable SCS
- Sample location not tested for parameter
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- S — S Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N, W, E, S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Soil - CPs

BluMetric™ Environmental

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-11a	3

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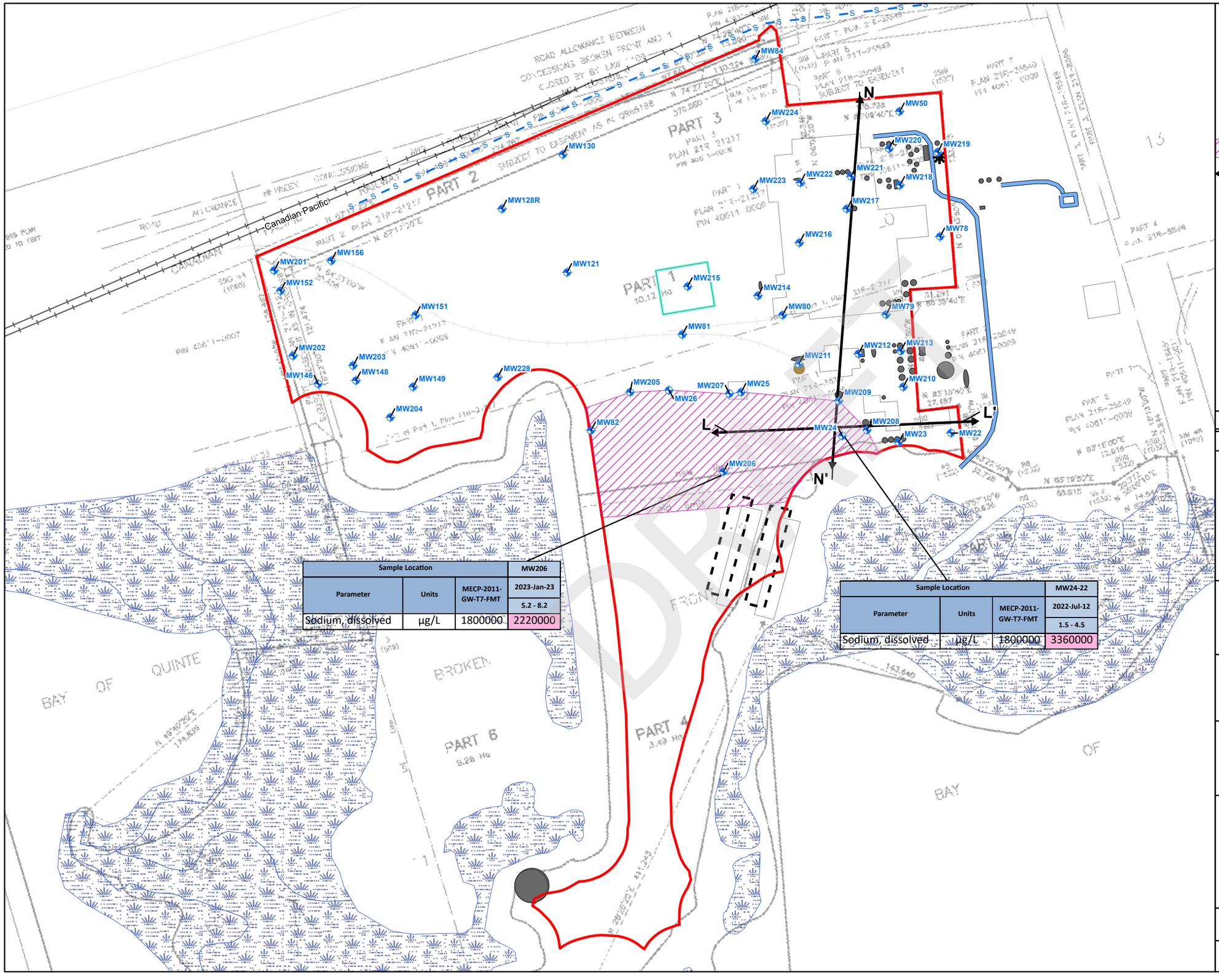


Sample Location			MW206
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			5.2 - 8.2
Sodium, dissolved	µg/L	1800000	2220000

Sample Location			MW24-22
Parameter	Units	MECP-2011-GW-T7-FMT	2022-Jul-12
			1.5 - 4.5
Sodium, dissolved	µg/L	1800000	3360000

LEGEND

- Monitoring Wells
- Sample result below applicable SCS
- Sample result above applicable SCS
- Sample location not tested for parameter
- Contamination Plume
- Cross Section Alignment
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Groundwater - Metals

BluMetric Environmental

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

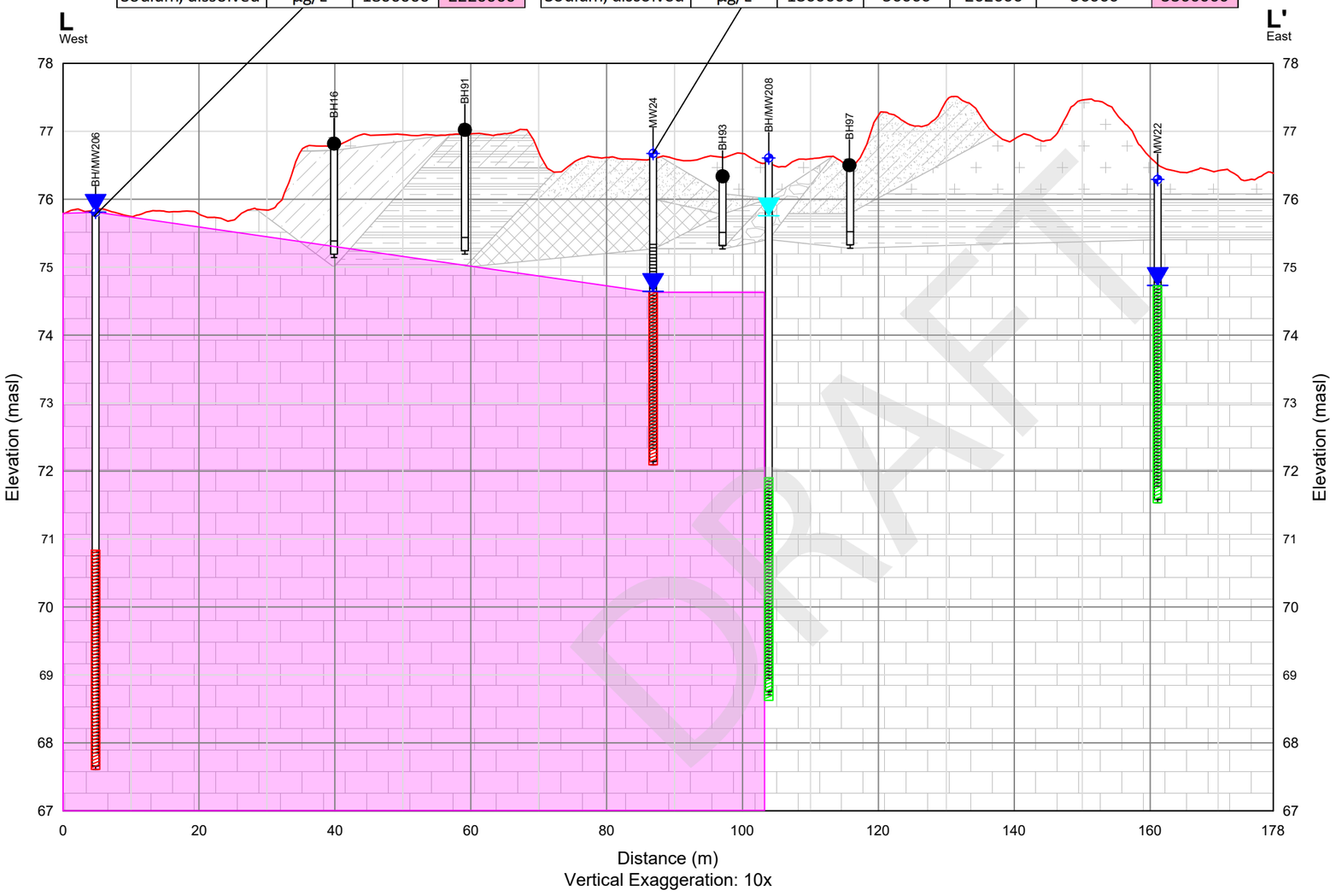
PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-12a	3

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\APRX\2023-08-03-PH2\220509 - PhaseTwoESA - 621 Dundas, Belleville.aprx

Sample Location			MW206
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			5.2 - 8.2
Sodium, dissolved	µg/L	1800000	2220000

Sample Location			MW24-11	MW24-12	MW24.1-12 (MW24)	MW24-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2012-May-01	2022-Jul-12
			1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5
Sodium, dissolved	µg/L	1800000	50000	202000	56000	3360000



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
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N W E S

0 15 30 Metres
1:750

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - Metals Cross-Section L-L'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-12b	0

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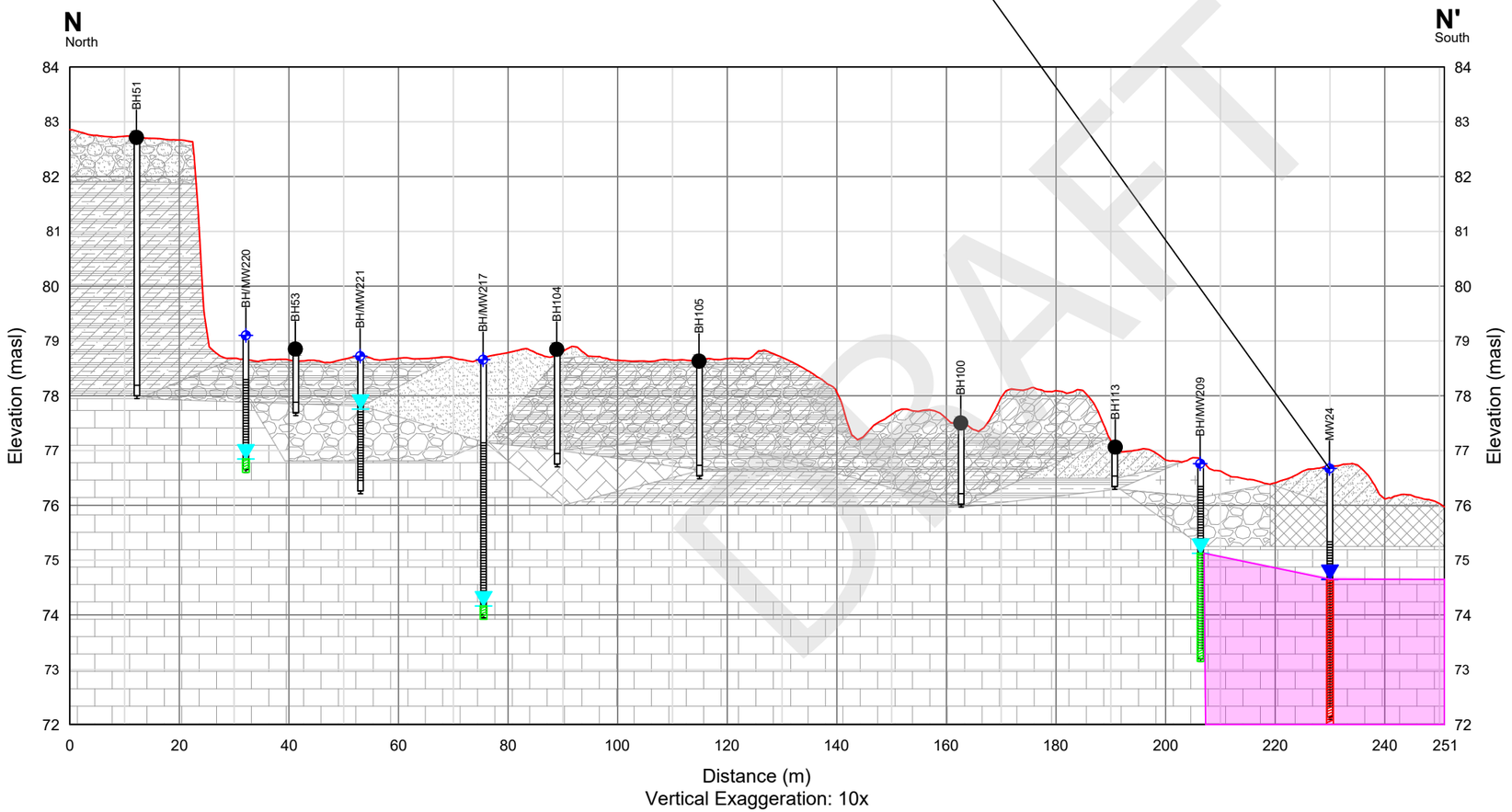
Sample Location			MW24-11	MW24-12	MW24.1-12 (MW24)	MW24-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2012-May-01	2022-Jul-12
			1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5
Sodium, dissolved	µg/L	1800000	50000	202000	56000	3360000



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Silty Clayey Gravel
- Shale
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20.027 40.053 Metres
1:1001.374

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - Metals Cross-Section N-N'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE		
220509	August 3, 2023		
DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-12c	0

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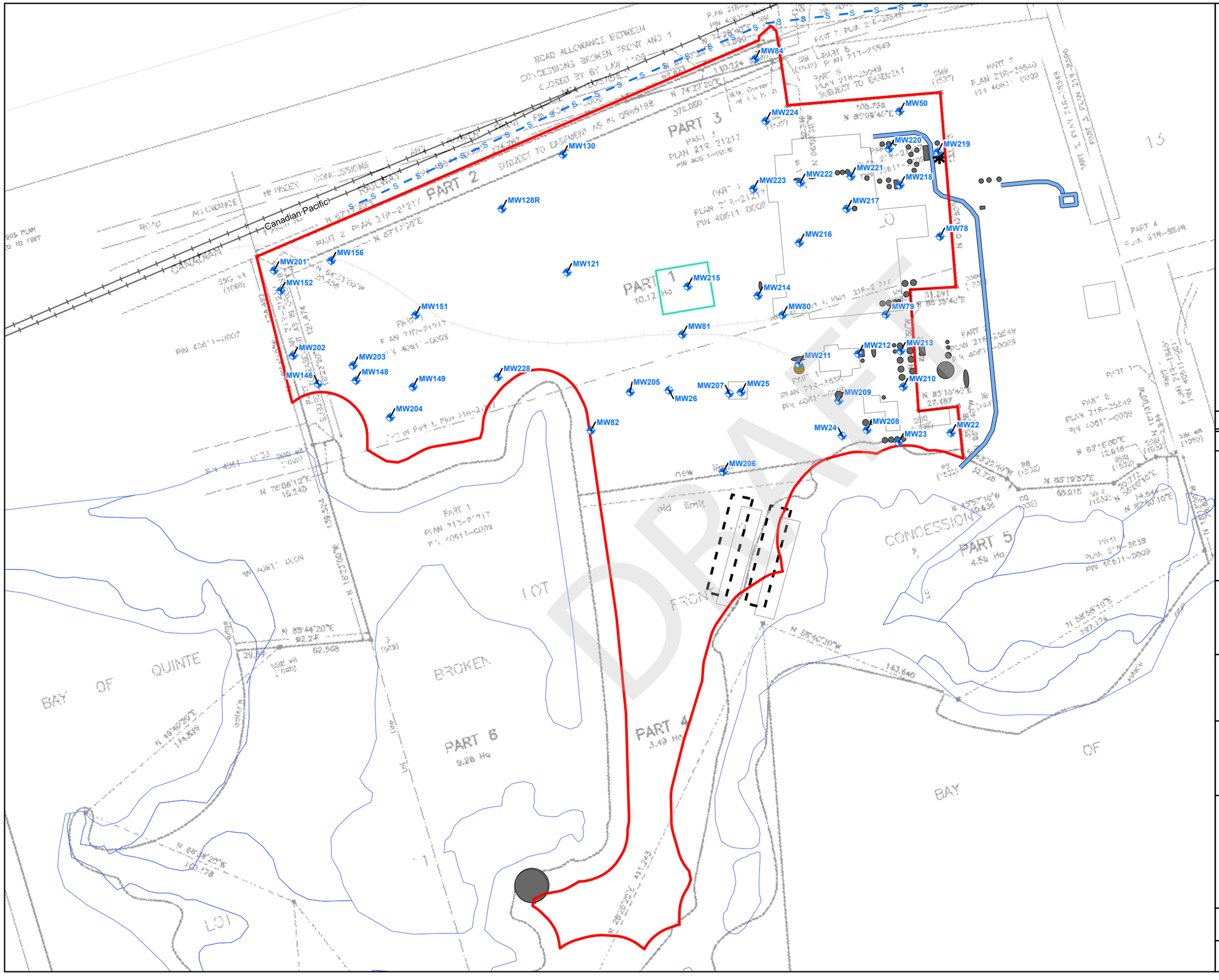

LEGEND

- Monitoring Wells
- Sample result below applicable SCS
- Sample location not tested for parameter
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Groundwater - ABNs

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-13a	3

Sample Location			MW152-11	MW152-12
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-17	2012-May-01
			2.1 - 5.1	2.1 - 5.1
Tetrachloroethene	µg/L	0.5	3.5	1.1

Sample Location			MW221
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-24
			1.0 - 2.5
Dichlorobenzene, 1,4-	µg/L	0.5	1.7

Sample Location			MW78-12
Parameter	Units	MECP-2011-GW-T7-FMT	2012-May-01
			2.7 - 5.6
Bromomethane	µg/L	0.89	3.8

Sample Location			MW24-11
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18
			1.5 - 4.5
Dichloroethene, 1,1-	µg/L	0.5	0.6

LEGEND

- Monitoring Wells
- Sample result below applicable SCS
- Sample result above applicable SCS
- Sample location not tested for parameter
- Cross Section Alignment
- Contamination Plume
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 25 50 Metres

1:2,628

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Groundwater - VOCs

BluMetric Environmental
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-14a	3

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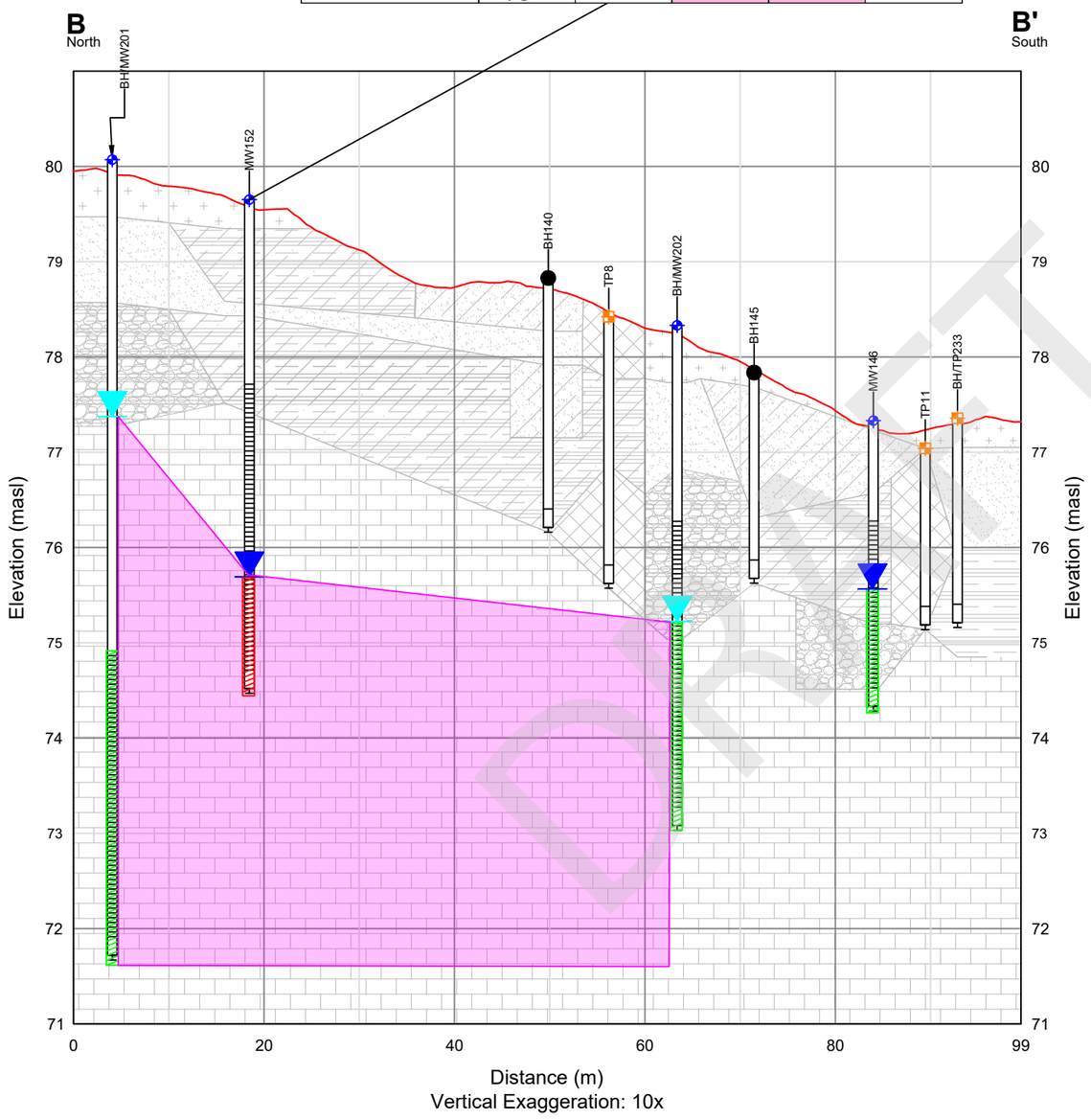
Sample Location			MW152-11	MW152-12	MW152-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-17	2012-May-01	2022-Jul-12
			2.1 - 5.1	2.1 - 5.1	2.1 - 5.1
Tetrachloroethene	µg/L	0.5	3.5	1.1	<0.2



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Groundwater Elevation (December, 2022)
- Groundwater Elevation (July, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 12 24 Metres
1:600

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impact to Groundwater - VOCs Cross-Section B-B'

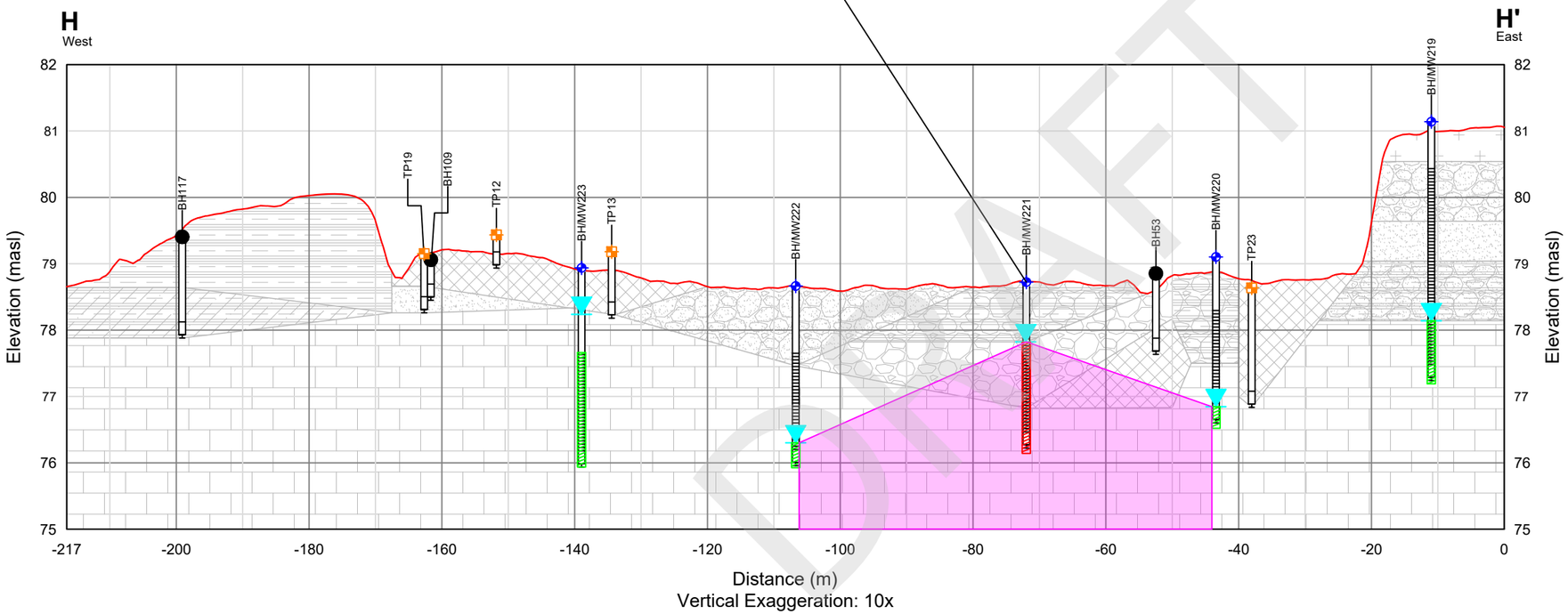
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-14b	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW221
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-24
			1.0 - 2.5
Dichlorobenzene, 1,4-	µg/L	0.5	1.7



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Fill
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Sandy Gravel
- Sandy Clayey Gravel
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - VOCs Cross-Section H-H'

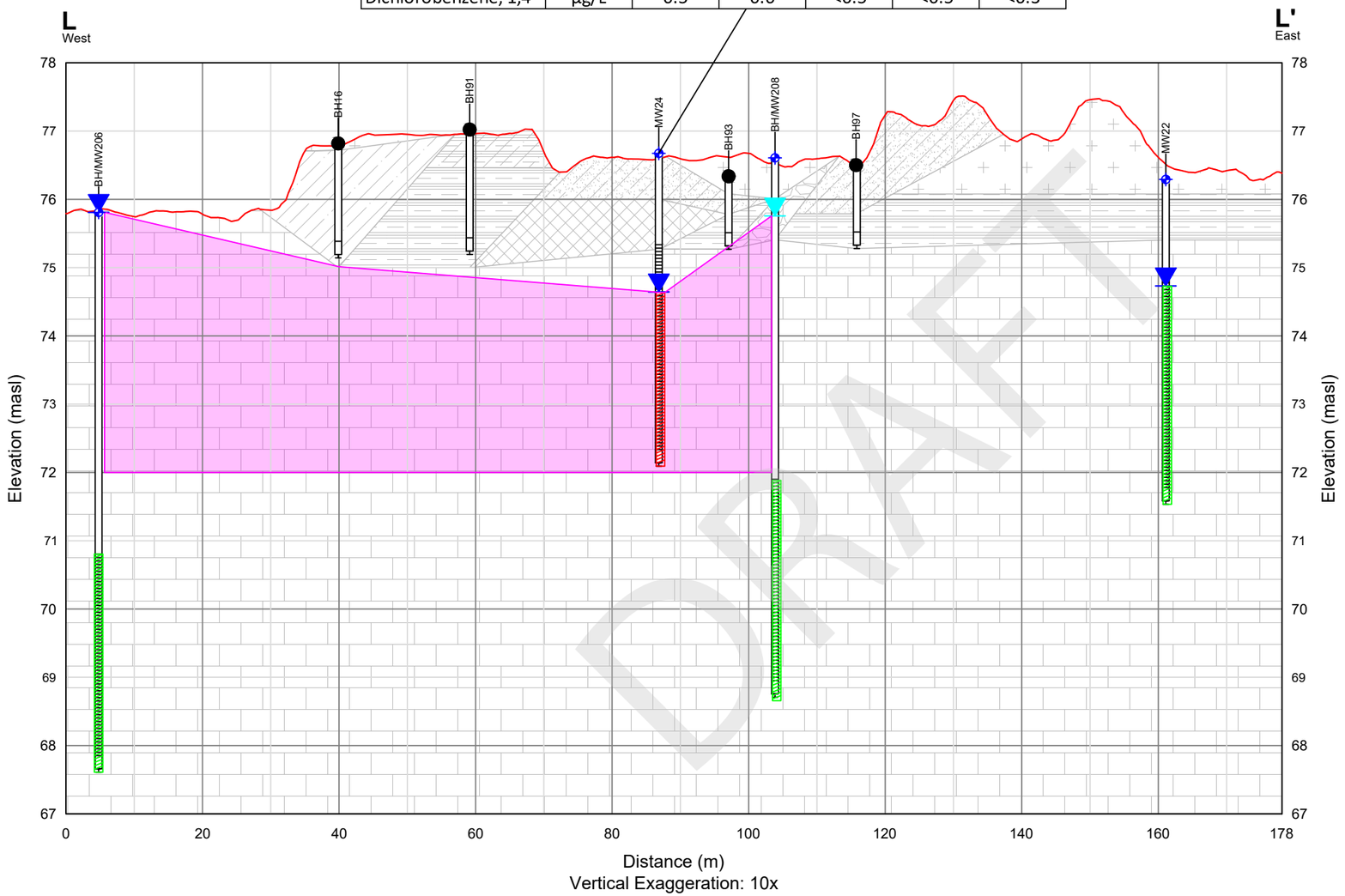
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-14c	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW24-11	MW24-12	MW24.1-12 (MW24)	MW24-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2012-May-01	2022-Jul-12
			1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5
Dichlorobenzene, 1,4-	µg/L	0.5	0.6	<0.5	<0.5	<0.3



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - VOCs Cross-Section L-L'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

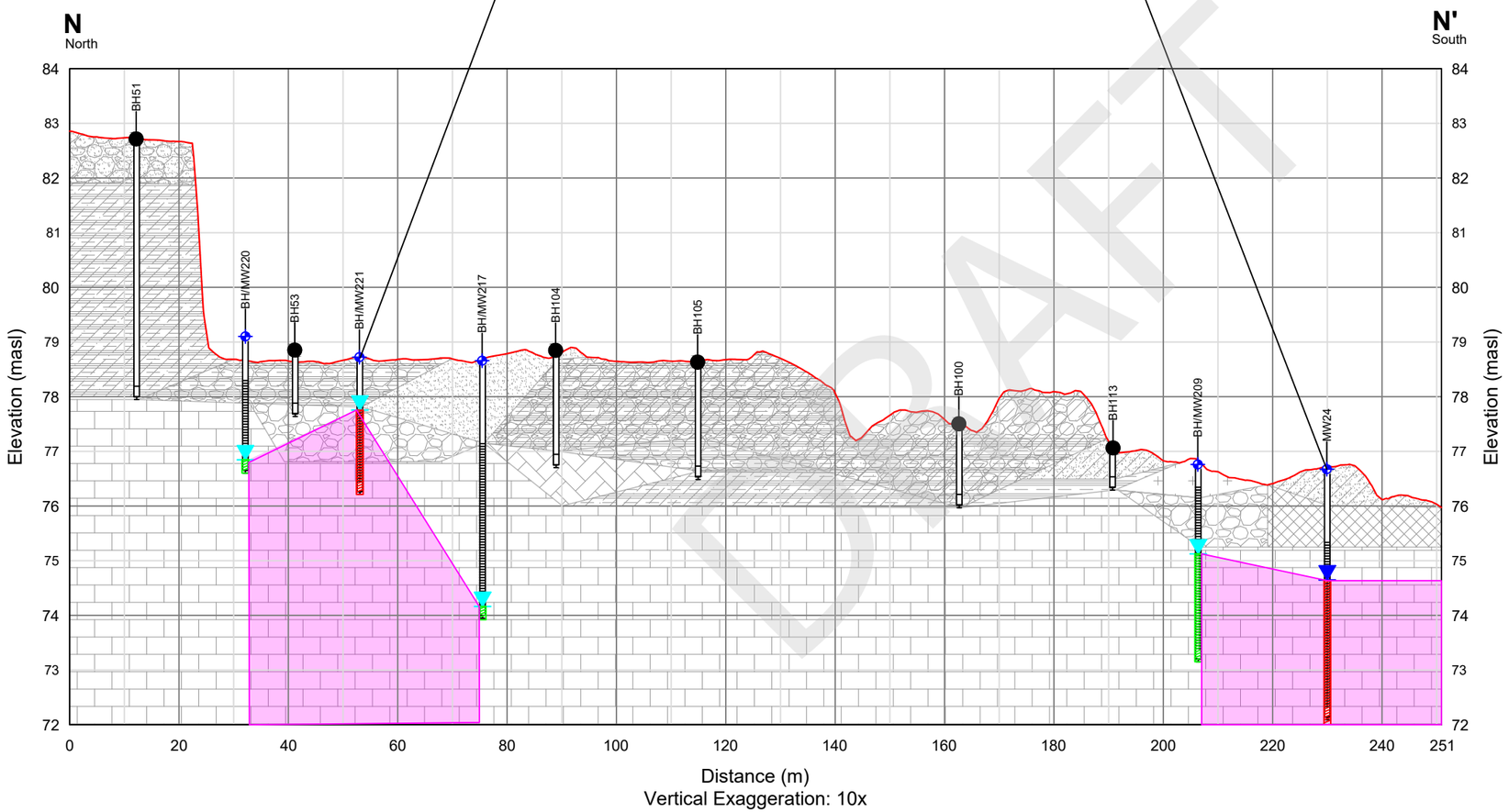
PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-14d	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW221
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-24
			1.0 - 2.5
Dichlorobenzene, 1,4-	µg/L	0.5	1.7

Sample Location			MW24-11	MW24-12	MW24.1-12 (MW24)	MW24-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2012-May-01	2022-Jul-12
			1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5
Dichlorobenzene, 1,4-	µg/L	0.5	0.6	<0.5	<0.5	<0.3



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Silty Clayey Gravel
- Shale
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20.027 40.059 Metres
1:1001.374

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - VOCs Cross-Section N-N'

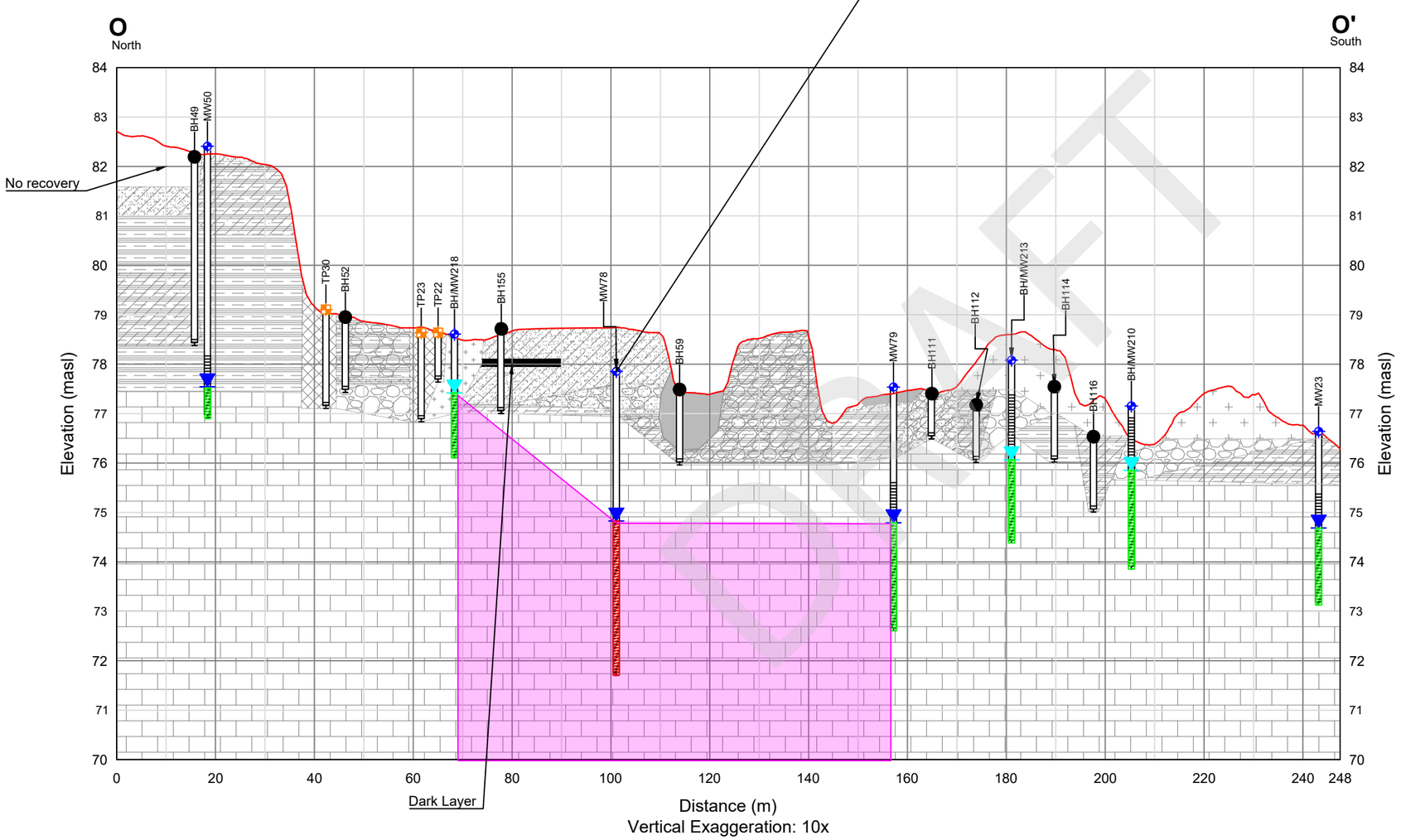
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-14e	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW78-11	MW78-12	MW78-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-17	2012-May-01	2022-Jul-12
			2.7 - 5.6	2.7 - 5.6	2.7 - 5.6
Bromomethane	µg/L	0.89	<0.5	3.8	<0.2



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Asphalt
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - VOCs Cross-Section O-O'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-14f	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW151-11
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18
			1.6 - 4.5
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	500	900

Sample Location			MW221
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-24
			1.0 - 2.5
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	283

Sample Location			MW219
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-25
			1.0 - 3.9
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	315

Sample Location			MW218
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-24
			1.0 - 2.4
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	267

Sample Location			MW78-12
Parameter	Units	MECP-2011-GW-T7-FMT	2012-May-01
			2.7 - 5.6
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	500	900

Sample Location			MW202
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-19
			2.3 - 5.2
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	880

Sample Location			MW146-11
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18
			1.2 - 3.0
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	2200
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	500	1700
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	500	1100

Sample Location			MW148-12	MW148-22
Parameter	Units	MECP-2011-GW-T7-FMT	2012-May-01	2022-Jul-13
			1.2 - 3.0	1.2 - 3.0
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	420	77400	11700
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	200	1700

Sample Location			MW208
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			4.9 - 7.9
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	420	5170

LEGEND

- Monitoring Wells
- Sample result below applicable SCS
- Sample result above applicable SCS
- Sample location not tested for parameter
- Cross Section Alignment
- Contamination Plume
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Groundwater - PHCs

BluMetric Environmental
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

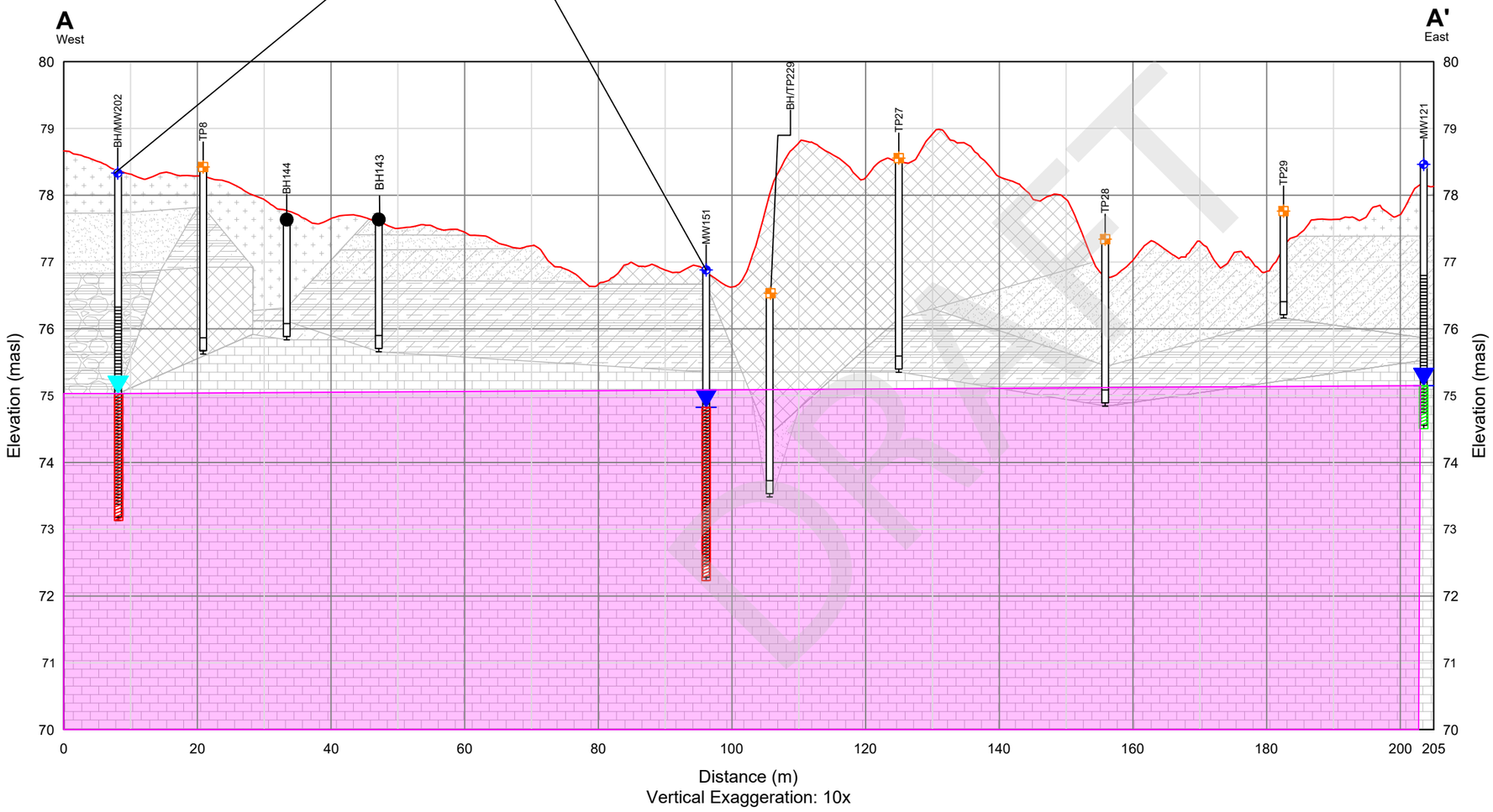
PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-15a	3

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\APRX\2023-08-03-PH2\220509 - PhaseTwoESA - 621 Dundas, Belleville.aprx

Sample Location			MW202
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-19
			2.3 - 5.2
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	880

Sample Location			MW151-11	MW151.1-11 (MW151)	MW151-12	MW151-22	MW151 (DUP1-22) (MW151)
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2011-Aug-18	2012-May-01	2022-Jul-13	2022-Jul-13
			1.6 - 4.5	1.6 - 4.5	1.6 - 4.5	1.6 - 4.5	1.6 - 4.5
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	500	900	<200	<200	<100	<100



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - PHCs Cross-Section A-A'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

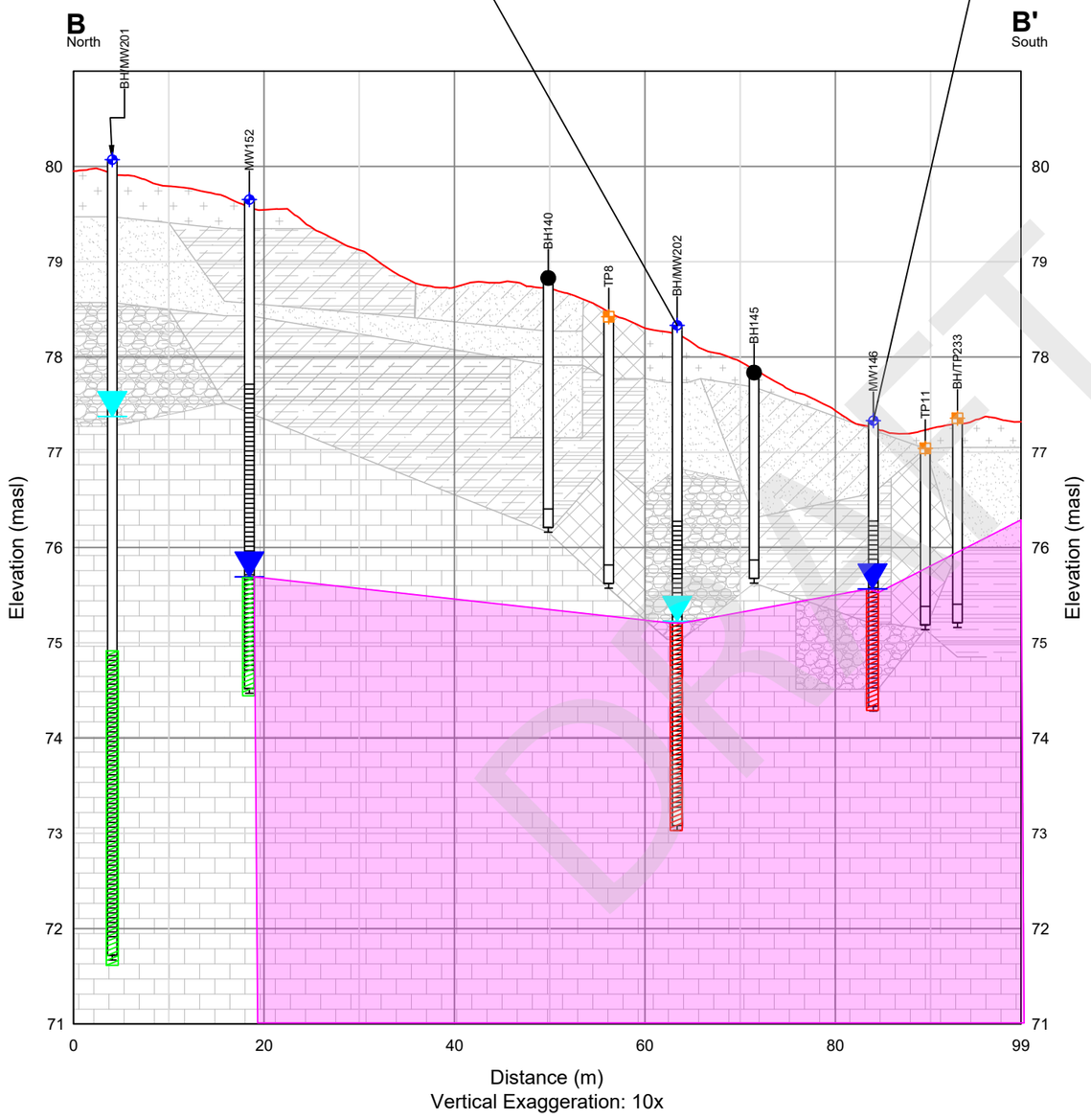
PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-15b	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW202
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-19
			2.3 - 5.2
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	880

Sample Location			MW146-11	MW146-12	MW146-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2022-Jul-12
			1.2 - 3.0	1.2 - 3.0	1.2 - 3.0
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	2200	<100	100
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	500	1700	<200	<100
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	500	1100	<200	<100



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Groundwater Elevation (December, 2022)
- Groundwater Elevation (July, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 12 24 Metres
1:600

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impact to Groundwater - PHCs Cross-Section B-B'

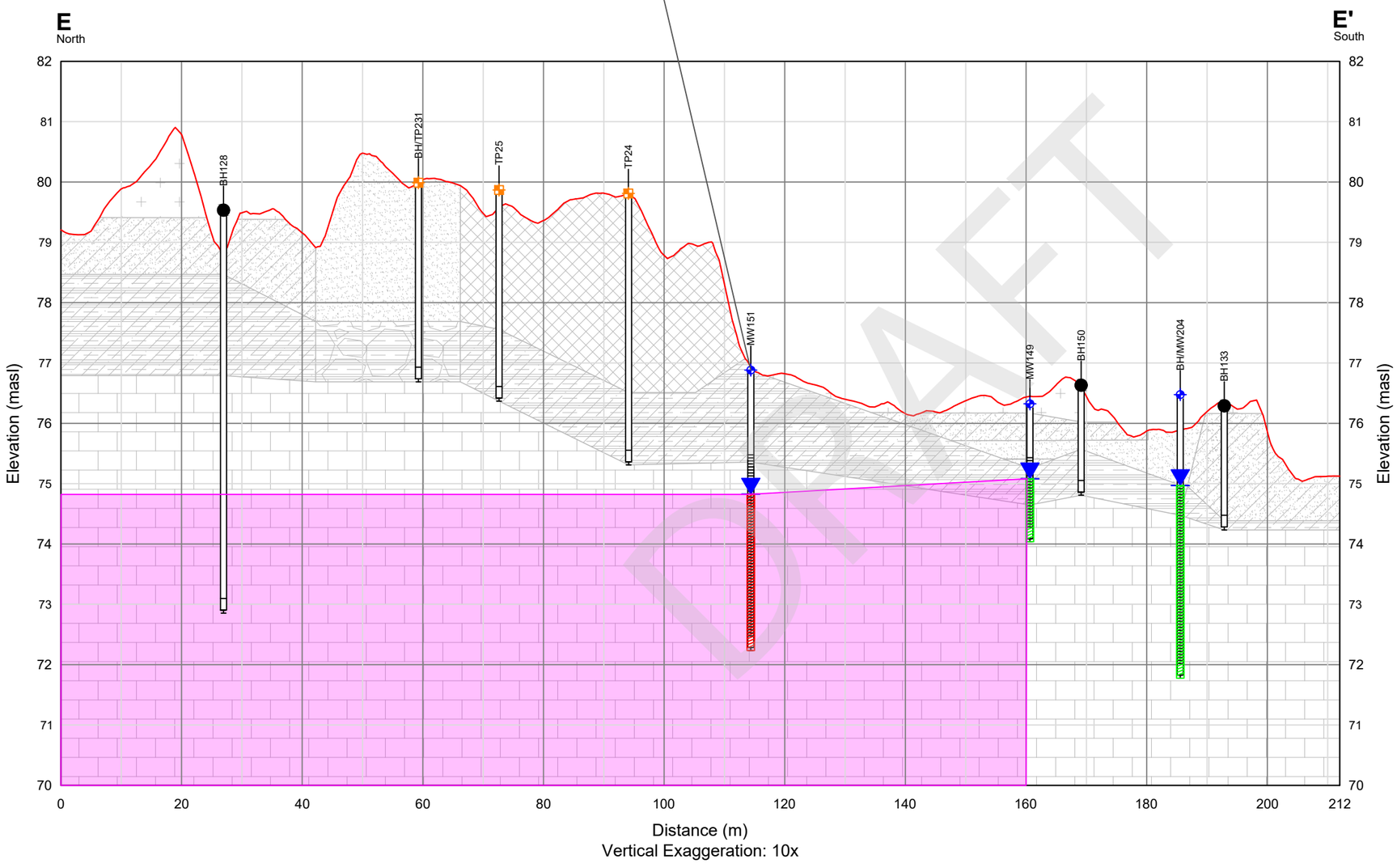
BluMetric Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-15c	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW151-11	MW151.1-11 (MW151)	MW151-12	MW151-22	MW151 (DUP1-22) (MW151)
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2011-Aug-18	2012-May-01	2022-Jul-13	2022-Jul-13
			1.6 - 4.5	1.6 - 4.5	1.6 - 4.5	1.6 - 4.5	1.6 - 4.5
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	500	900	<200	<200	<100	<100



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Sandy Clay
- Bedrock
- Sandy Silty Clay
- Fill
- Clayey Gravel
- Groundwater Elevation (December, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - PHCs Cross-Section E-E'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

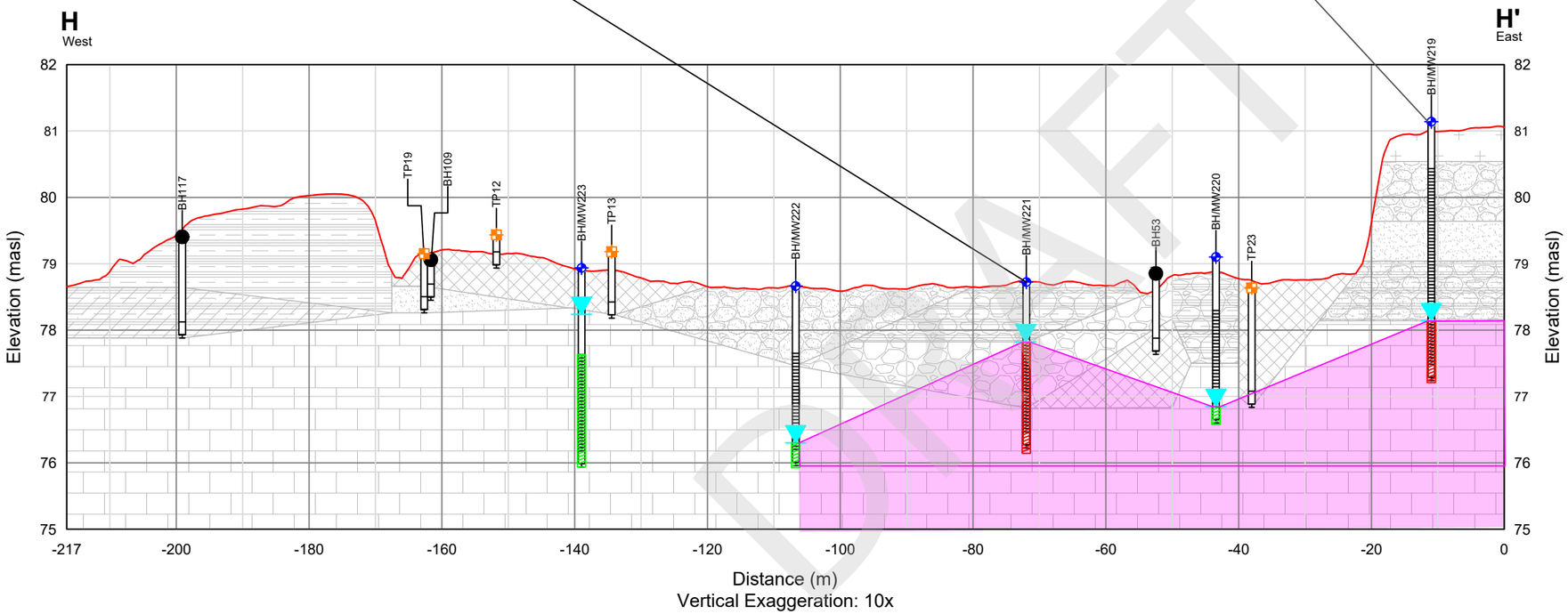
PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-15d	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW221
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-24
			1.0 - 2.5
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	283

Sample Location			MW219
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-25
			1.0 - 3.9
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	315



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Fill
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Sandy Gravel
- Sandy Clayey Gravel
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - PHCs Cross-Section H-H'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-15e	0

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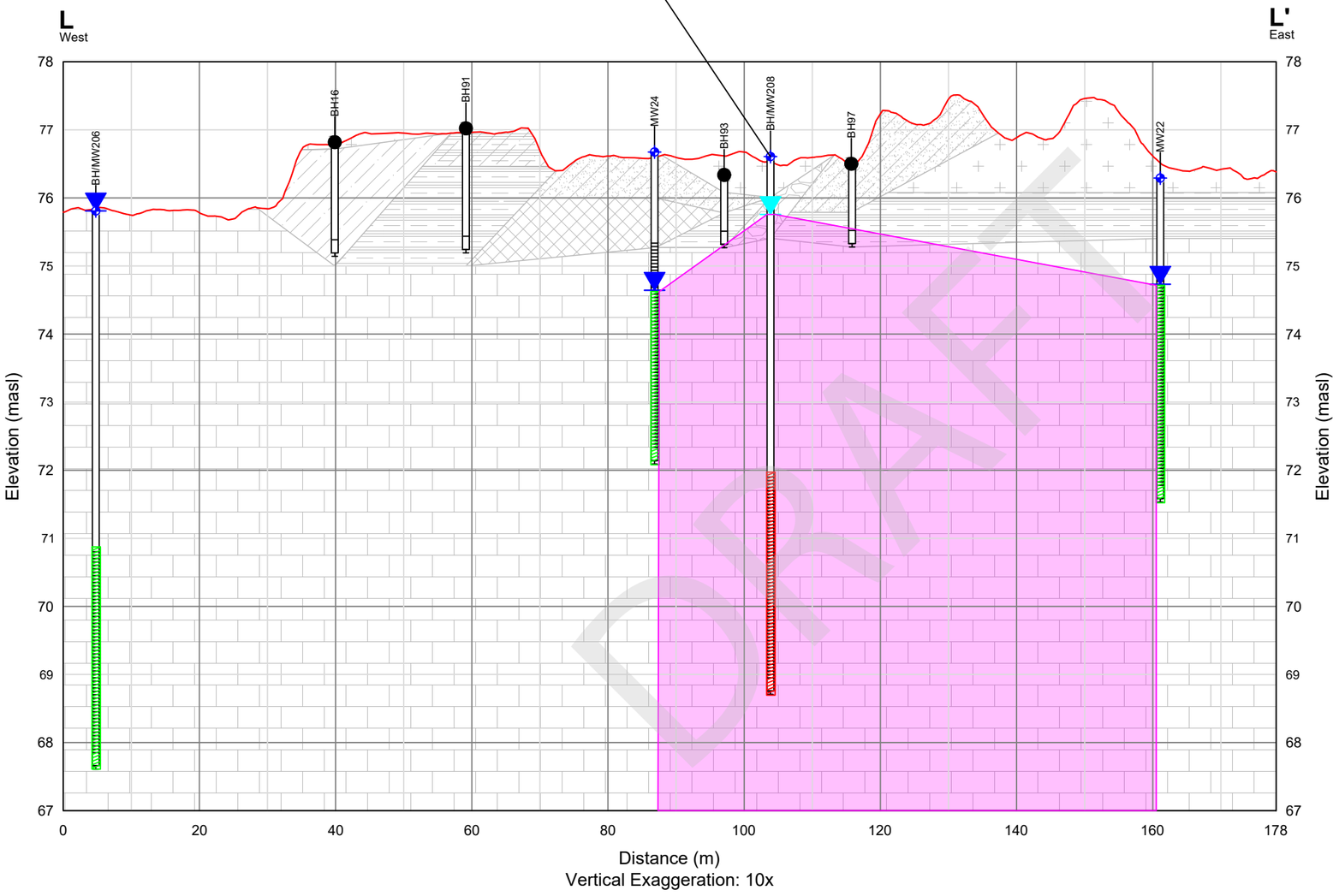
Sample Location			MW208
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			4.9 - 7.9
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	420	5170



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

N W E S

0 15 30 Metres
1:750

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - PHCs Cross-Section L-L'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-15f	0

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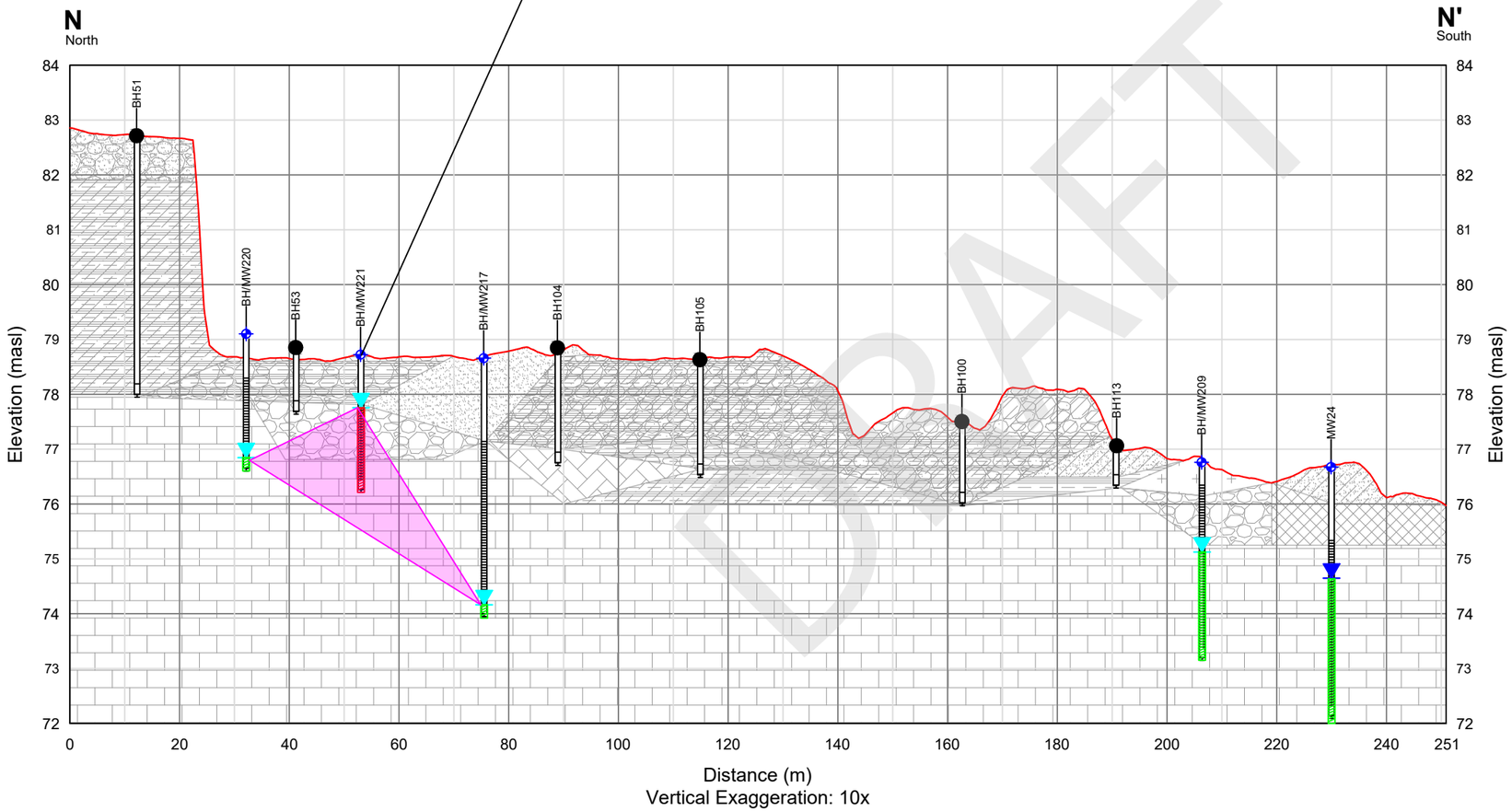
Sample Location			MW221
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-24
			1.0 - 2.5
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	283



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Silty Clayey Gravel
- Shale
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20.027 40.059 Metres
1:1001.374

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - PHCs Cross-Section N-N'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

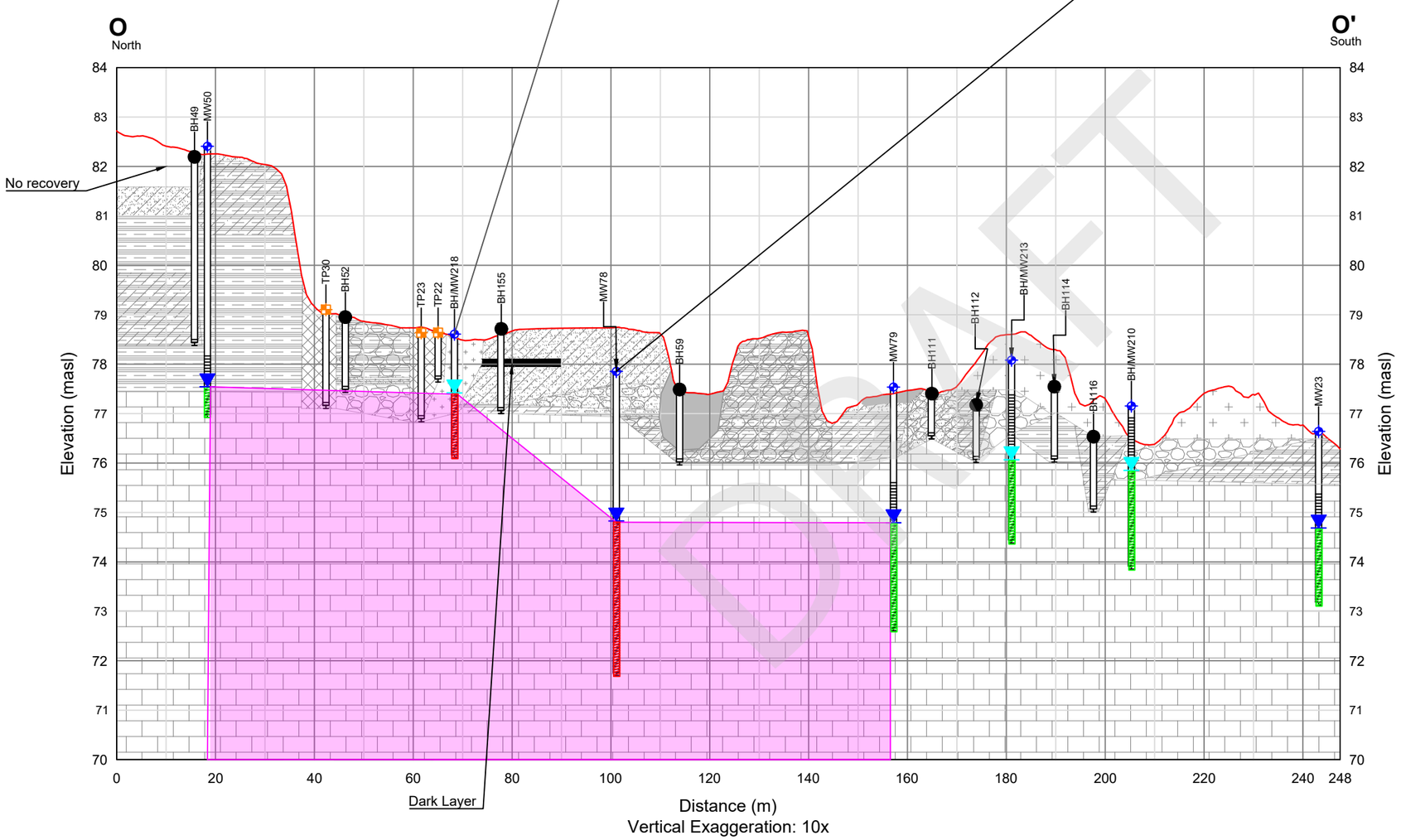
PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-15g	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW218
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-24
			1.0 - 2.4
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	267

Sample Location			MW78-11	MW78-12	MW78-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-17	2012-May-01	2022-Jul-12
			2.7 - 5.6	2.7 - 5.6	2.7 - 5.6
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	500	<200	900	<100



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Asphalt
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - PHCs Cross-Section O-O'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

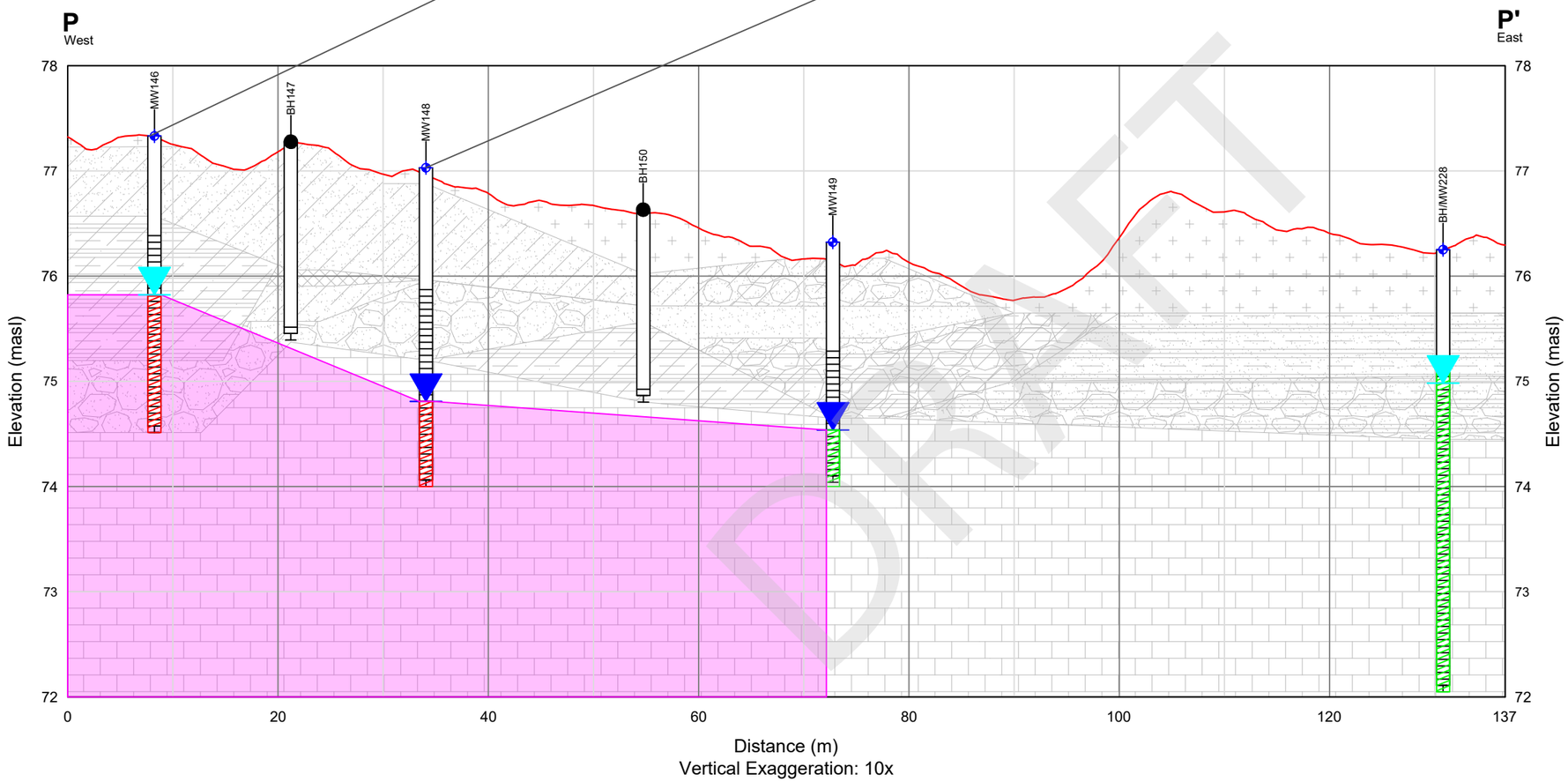
PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-15h	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW146-11	MW146-12	MW146-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2022-Jul-12
			1.2 - 3.0	1.2 - 3.0	1.2 - 3.0
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	2200	<100	100
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	500	1700	<200	<100
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	500	1100	<200	<100

Sample Location			MW148-12	MW148-22
Parameter	Units	MECP-2011-GW-T7-FMT	2012-May-01	2022-Jul-13
			1.2 - 3.0	1.2 - 3.0
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	420	77400	11700
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	150	200	1700



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Fill (Cobble)
- Sandy Gravel
- Silty Gravel
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 10 20 Metres
1:500

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - PHCs Cross-Section P-P'

1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-15i	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW215
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			1.6 - 4.5
Benzo[g,h,i]perylene	µg/L	0.2	0.63
Dibenzo[a,h]anthracene	µg/L	0.4	0.57
Indeno[1,2,3-cd]pyrene	µg/L	0.2	0.5

Sample Location			MW220
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-25
			1.0 - 2.5
Anthracene	µg/L	1	2.43
Benzo[a]anthracene	µg/L	1.8	5.64
Benzo[a]pyrene	µg/L	0.81	6.65
Benzo[b]fluoranthene	µg/L	0.75	9.68
Benzo[g,h,i]perylene	µg/L	0.2	4.34
Benzo[k]fluoranthene	µg/L	0.4	5.36
Chrysene	µg/L	0.7	5.85
Indeno[1,2,3-cd]pyrene	µg/L	0.2	2.89
Pyrene	µg/L	5.7	16.5

Sample Location			MW202
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-19
			2.3 - 5.2
Naphthalene	µg/L	7	29.3

Sample Location			MW148-11	MW148-12	MW148-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2022-Jul-13
			1.2 - 3.0	1.2 - 3.0	1.2 - 3.0
Naphthalene	µg/L	7	91.7	51.2	117

LEGEND

- Monitoring Wells
- Sample result below applicable SCS
- Same result above applicable SCS
- Sample location not tested for parameter
- Cross Section Alignment
- Contamination Plume
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Groundwater - PAHs

BluMetric Environmental
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-16a	3

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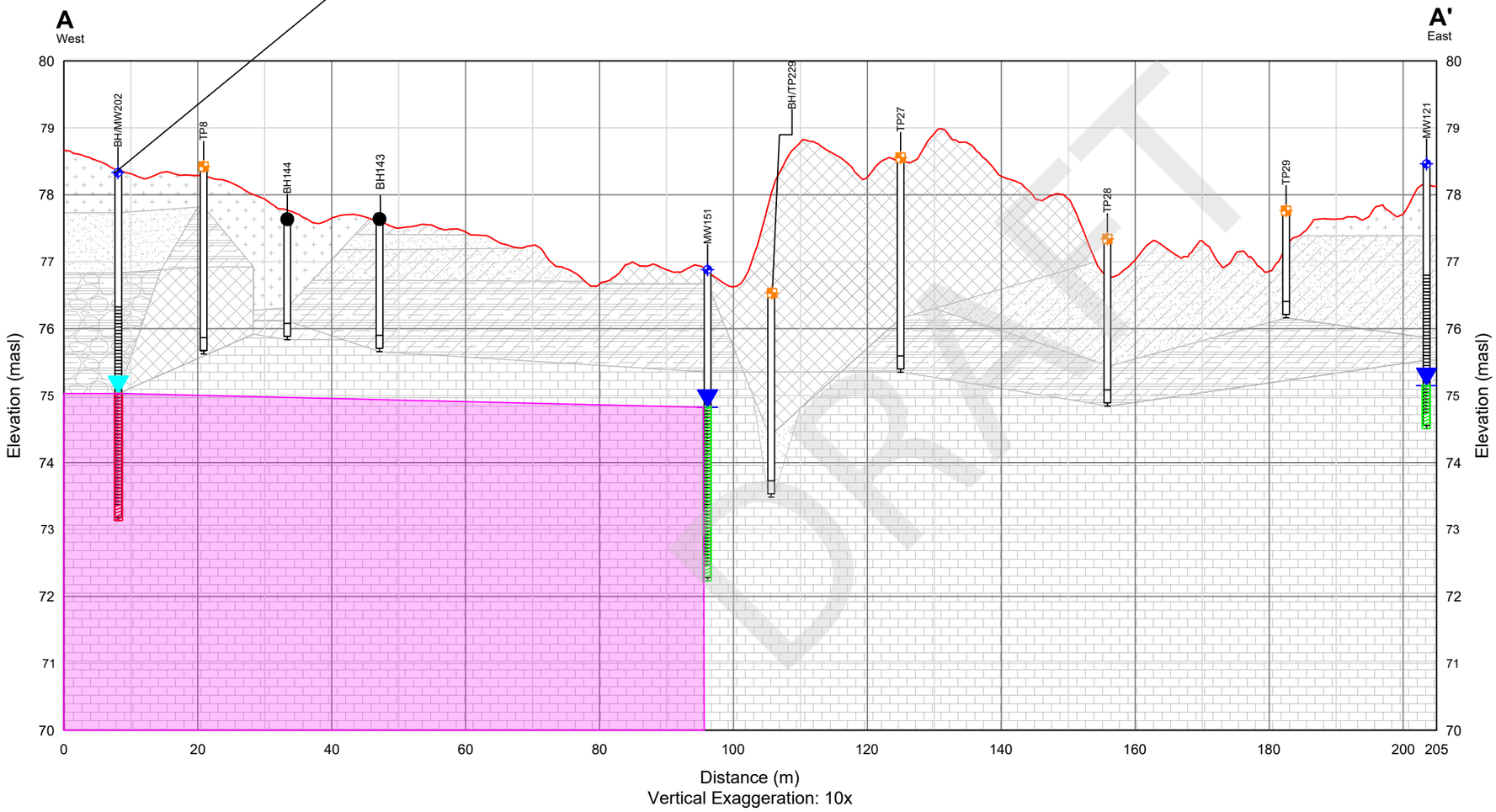
Sample Location			MW202
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-19
			2.3 - 5.2
Naphthalene	µg/L	7	29.3



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

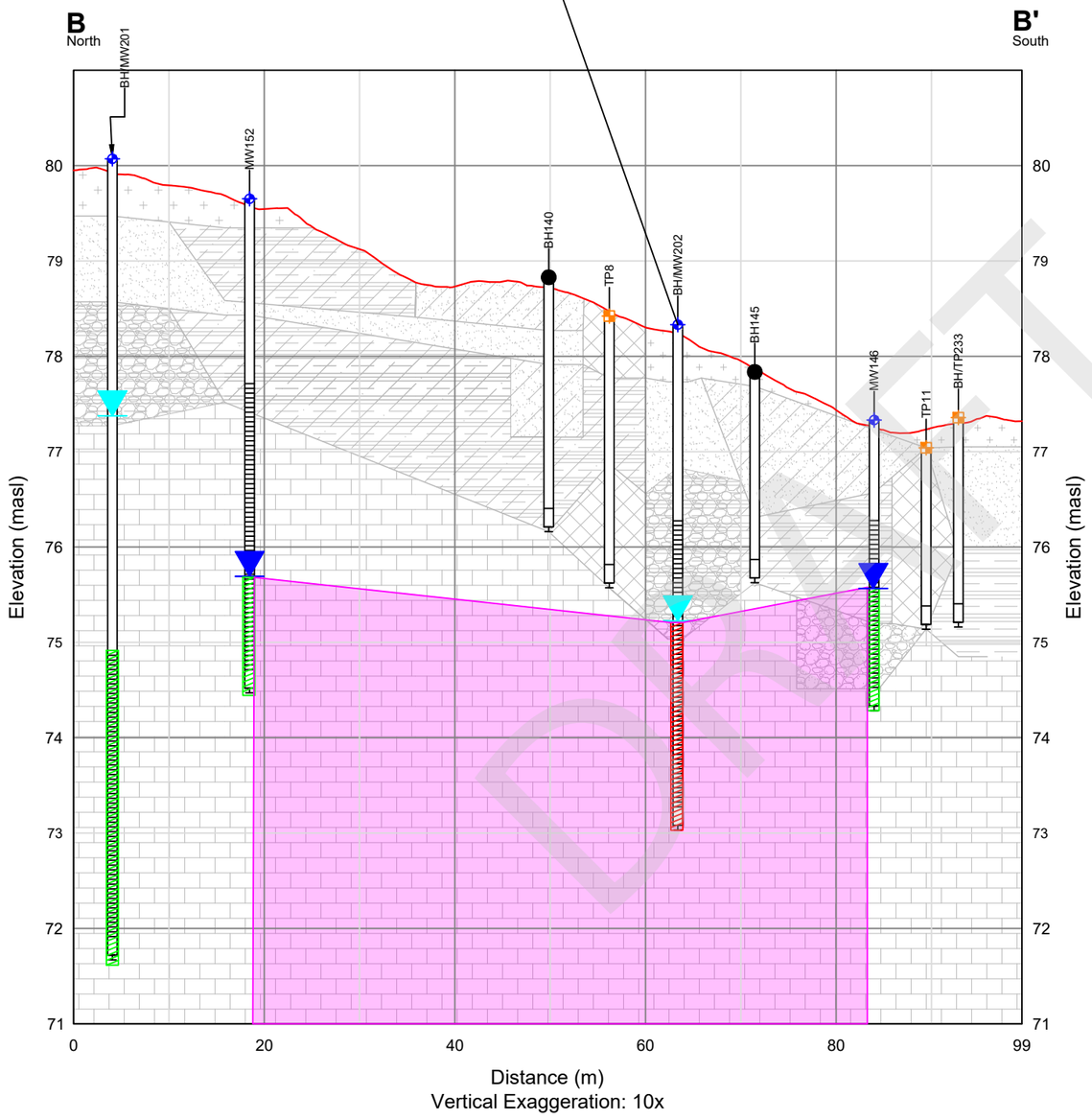
Impacts to Groundwater - PAHs Cross-Section A-A'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-16b	0

Sample Location			MW202
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-19
			2.3 - 5.2
Naphthalene	µg/L	7	29.3



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Fill
- Topsoil
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Groundwater Elevation (December, 2022)
- Groundwater Elevation (July, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 12 24 Metres
1:600

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impact to Groundwater - PAHs Cross-Section B-B'

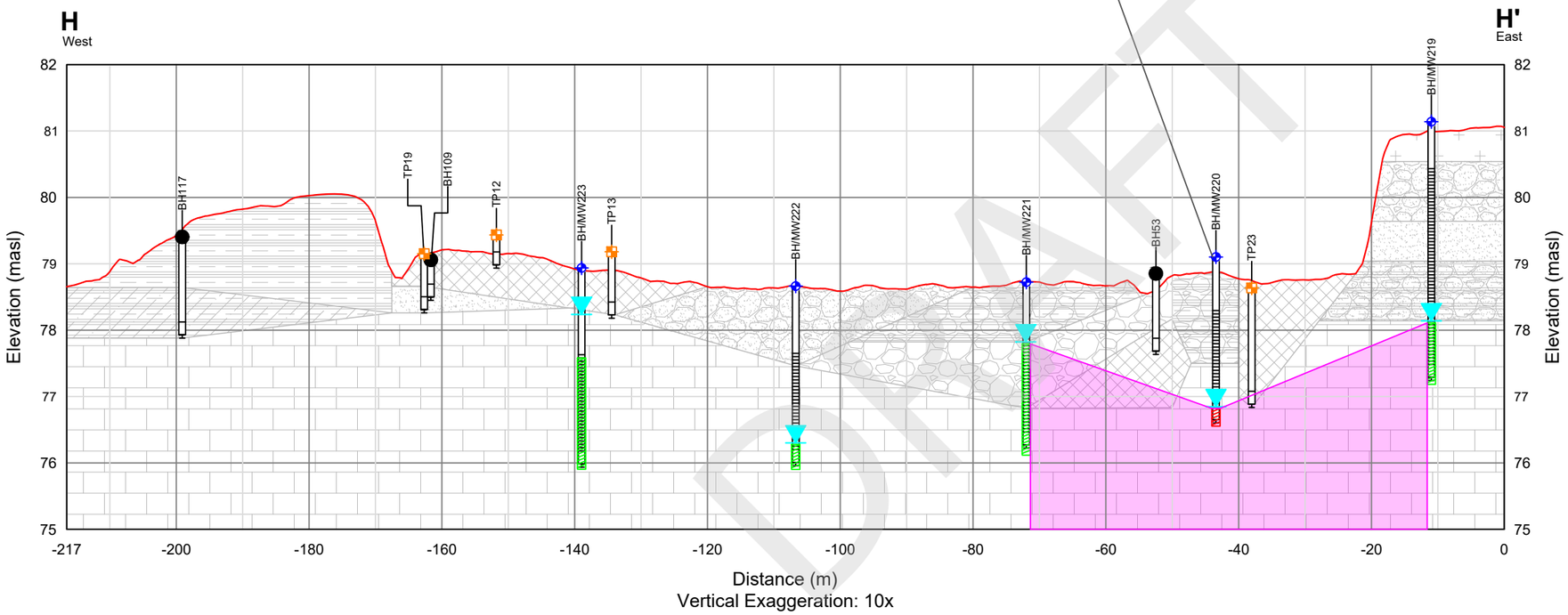
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-16c	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW220
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-25
			1.0 - 2.5
Anthracene	µg/L	1	2.43
Benzo[a]anthracene	µg/L	1.8	5.64
Benzo[a]pyrene	µg/L	0.81	6.65
Benzo[b]fluoranthene	µg/L	0.75	9.68
Benzo[g,h,i]perylene	µg/L	0.2	4.34
Benzo[k]fluoranthene	µg/L	0.4	5.36
Chrysene	µg/L	0.7	5.85
Indeno[1,2,3-cd]pyrene	µg/L	0.2	2.89
Pyrene	µg/L	5.7	16.5



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Fill
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Sandy Gravel
- Sandy Clayey Gravel
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

0 16 32 Metres
1:800

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - PAHs Cross-Section H-H'

BluMetric™ Environmental

1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
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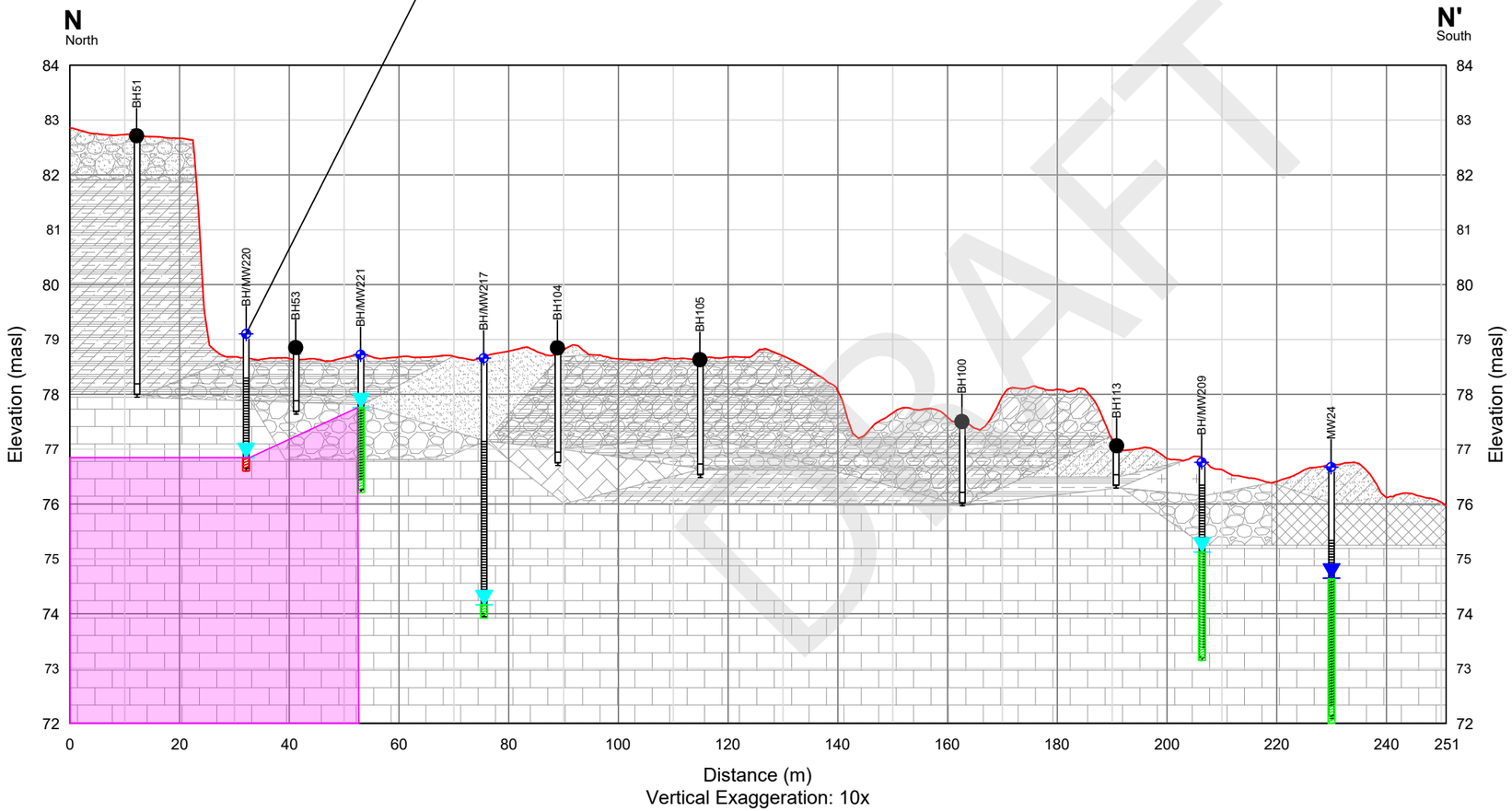
PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-16d	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW220
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-25
			1.0 - 2.5
Anthracene	µg/L	1	2.43
Benzo[a]anthracene	µg/L	1.8	5.64
Benzo[a]pyrene	µg/L	0.81	6.65
Benzo[b]fluoranthene	µg/L	0.75	9.68
Benzo[g,h,i]perylene	µg/L	0.2	4.34
Benzo[k]fluoranthene	µg/L	0.4	5.36
Chrysene	µg/L	0.7	5.85
Indeno[1,2,3-cd]pyrene	µg/L	0.2	2.89
Pyrene	µg/L	5.7	16.5



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Silty Clayey Gravel
- Shale
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20.027 40.059 Metres
1:1001.374

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - PAHs Cross-Section N-N'

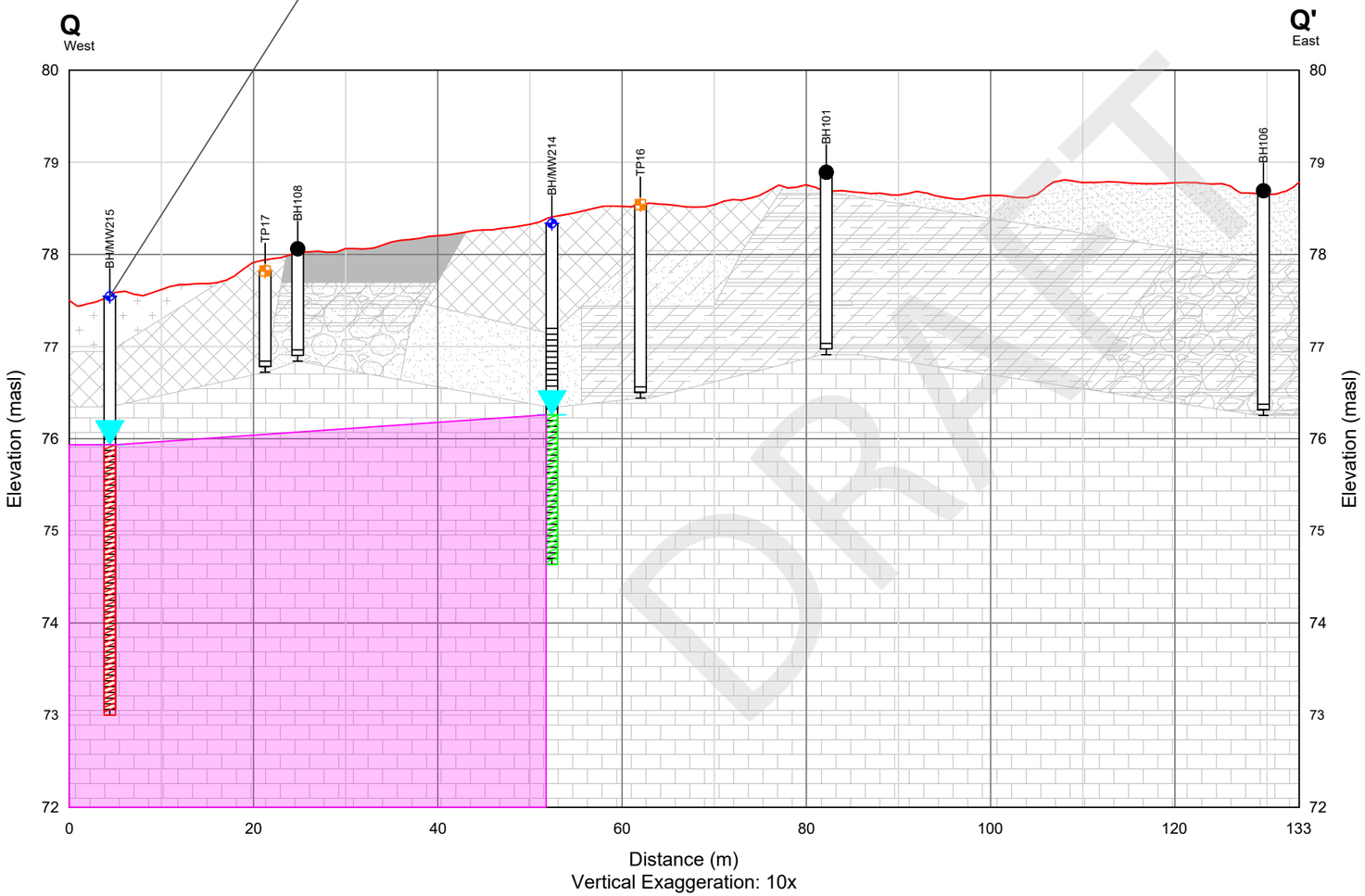
BluMetric Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-16e	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW215
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			1.6 - 4.5
Benzo[g,h,i]perylene	µg/L	0.2	0.63
Dibenzo[a,h]anthracene	µg/L	0.4	0.57
Indeno[1,2,3-cd]pyrene	µg/L	0.2	0.5



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Fill
- Sandy Gravel
- Silty Gravel
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Concrete
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 12 24 Metres
1:600

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - PAHs Cross-Section Q-Q'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	02-16g	0

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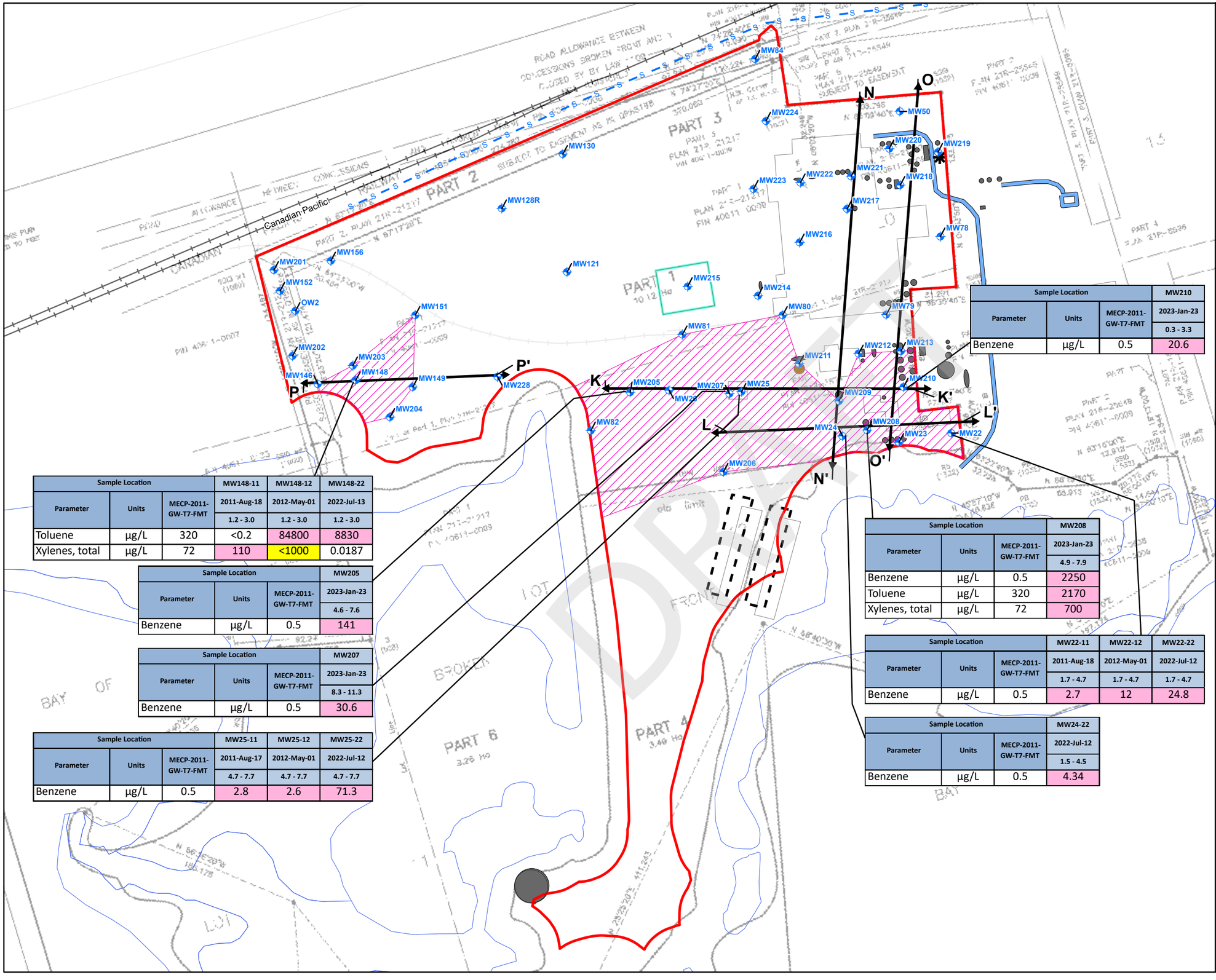


Sample Location			MW148-11	MW148-12	MW148-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2022-Jul-13
			1.2 - 3.0	1.2 - 3.0	1.2 - 3.0
Toluene	µg/L	320	<0.2	84800	8830
Xylenes, total	µg/L	72	110	<1000	0.0187

Sample Location			MW205
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			4.6 - 7.6
Benzene	µg/L	0.5	141

Sample Location			MW207
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			8.3 - 11.3
Benzene	µg/L	0.5	30.6

Sample Location			MW25-11	MW25-12	MW25-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-17	2012-May-01	2022-Jul-12
			4.7 - 7.7	4.7 - 7.7	4.7 - 7.7
Benzene	µg/L	0.5	2.8	2.6	71.3

Sample Location			MW210
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			0.3 - 3.3
Benzene	µg/L	0.5	20.6

Sample Location			MW208
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			4.9 - 7.9
Benzene	µg/L	0.5	2250
Toluene	µg/L	320	2170
Xylenes, total	µg/L	72	700

Sample Location			MW22-11	MW22-12	MW22-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2022-Jul-12
			1.7 - 4.7	1.7 - 4.7	1.7 - 4.7
Benzene	µg/L	0.5	2.7	12	24.8

Sample Location			MW24-22
Parameter	Units	MECP-2011-GW-T7-FMT	2022-Jul-12
			1.5 - 4.5
Benzene	µg/L	0.5	4.34

LEGEND

- Monitoring Wells
- Sample result below applicable SCS
- Sample location not tested for parameter
- Sample result above applicable SCS
- Cross Section Alignment
- Contamination Plume
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

N W E S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Groundwater - BTEX

BluMetric Environmental
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

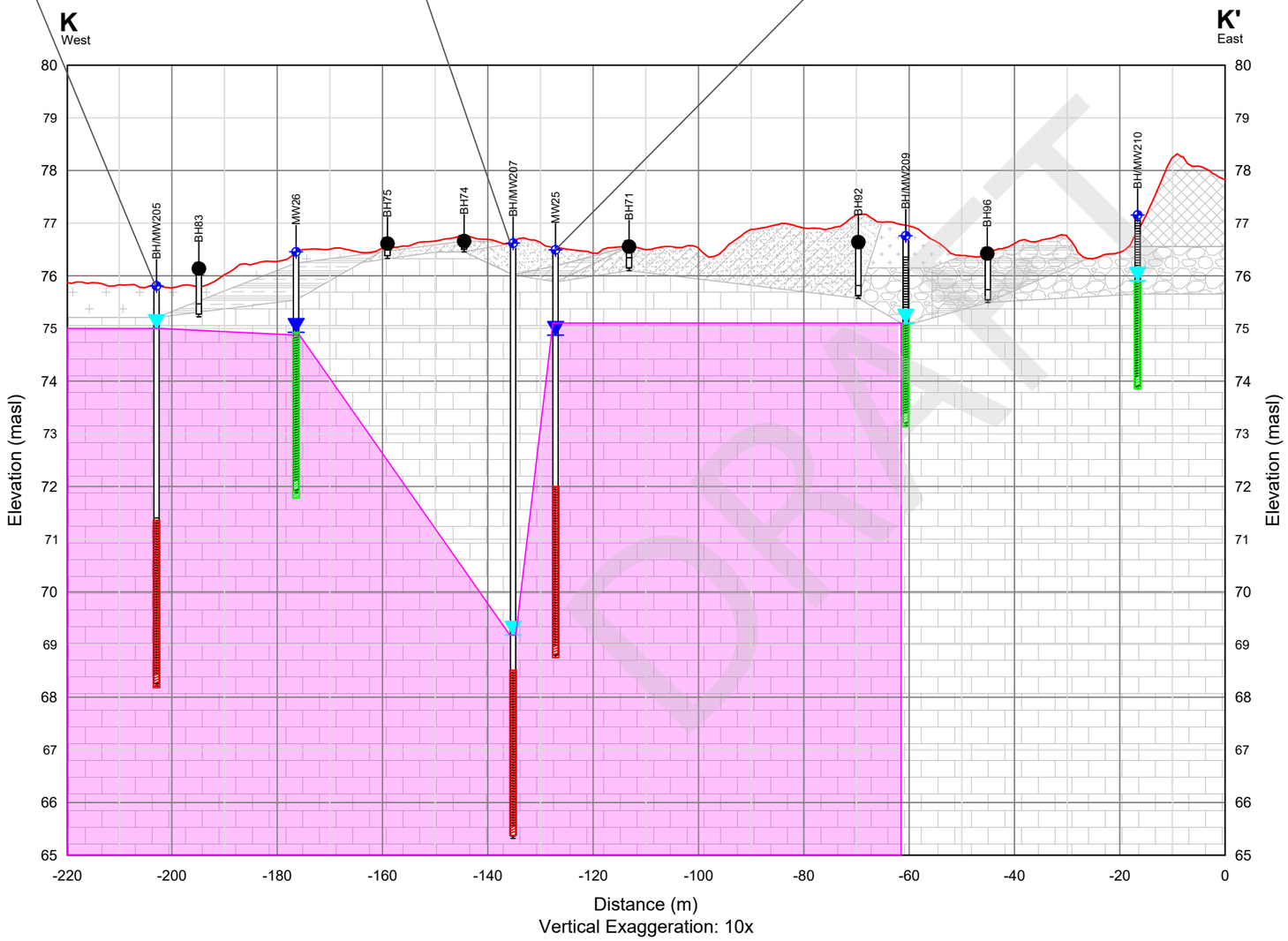
DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-17a	3

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\APRX\2023-08-03-PH2\220509 - PhaseTwoESA - 621 Dundas, Belleville.aprx

Sample Location			MW205
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			4.6 - 7.6
Benzene	µg/L	0.5	141

Sample Location			MW207
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			8.3 - 11.3
Benzene	µg/L	0.5	30.6

Sample Location			MW25-11	MW25-12	MW25-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-17	2012-May-01	2022-Jul-12
			4.7 - 7.7	4.7 - 7.7	4.7 - 7.7
Benzene	µg/L	0.5	2.8	2.6	71.3



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - BTEX Cross-Section K-K'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-17b	0

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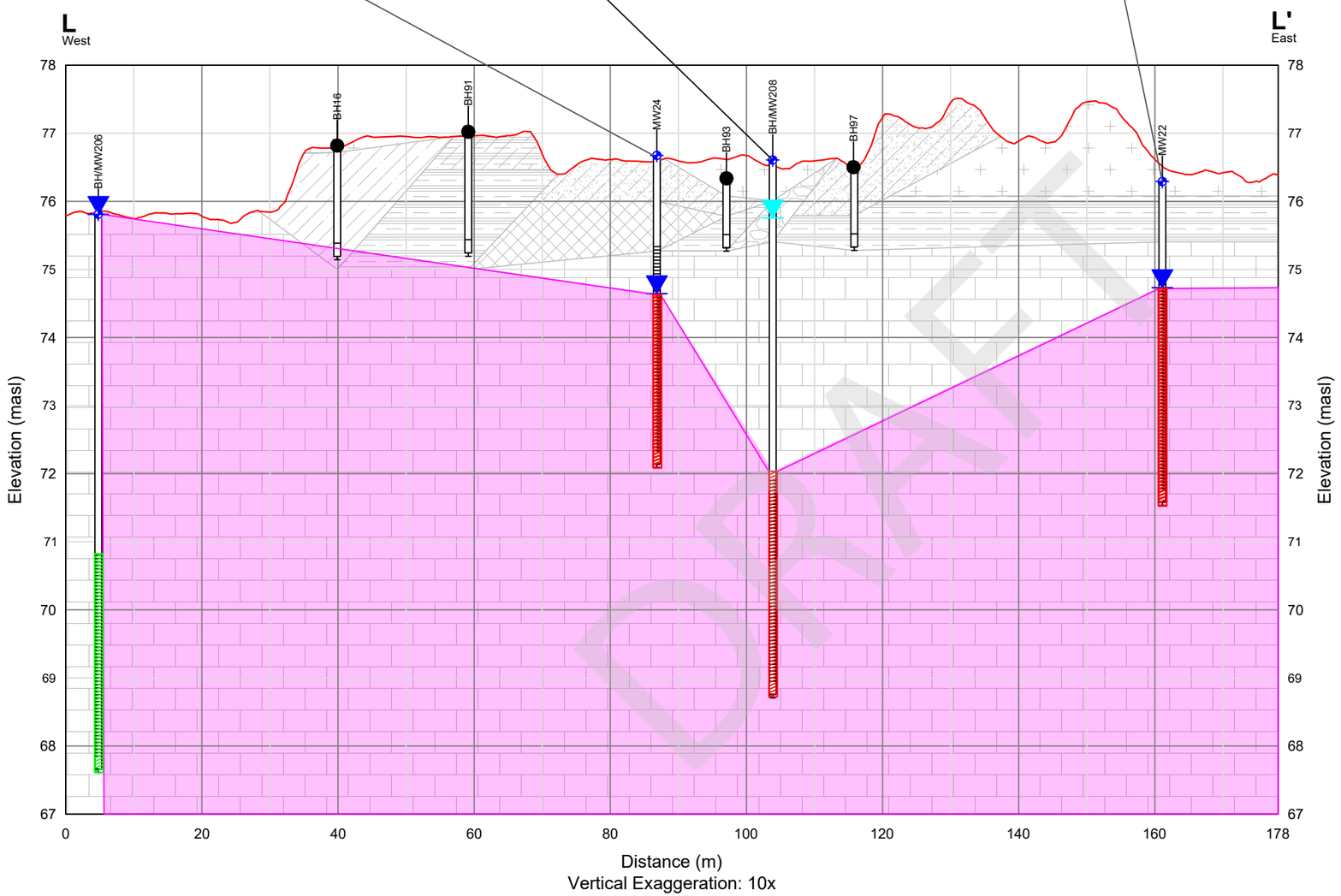
Sample Location			MW24-11	MW24-12	MW24.1-12 (MW24)	MW24-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2012-May-01	2022-Jul-12
			1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5
Benzene	µg/L	0.5	<0.1	<0.5	<0.5	4.34

Sample Location			MW208
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			4.9 - 7.9
Benzene	µg/L	0.5	2250
Toluene	µg/L	320	2170
Xylenes, total	µg/L	72	700

Sample Location			MW22-11	MW22-12	MW22-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2022-Jul-12
			1.7 - 4.7	1.7 - 4.7	1.7 - 4.7
Benzene	µg/L	0.5	2.7	12	24.8



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 15 30 Metres
1:750

N
W E
S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - BTEX Cross-Section L-L'

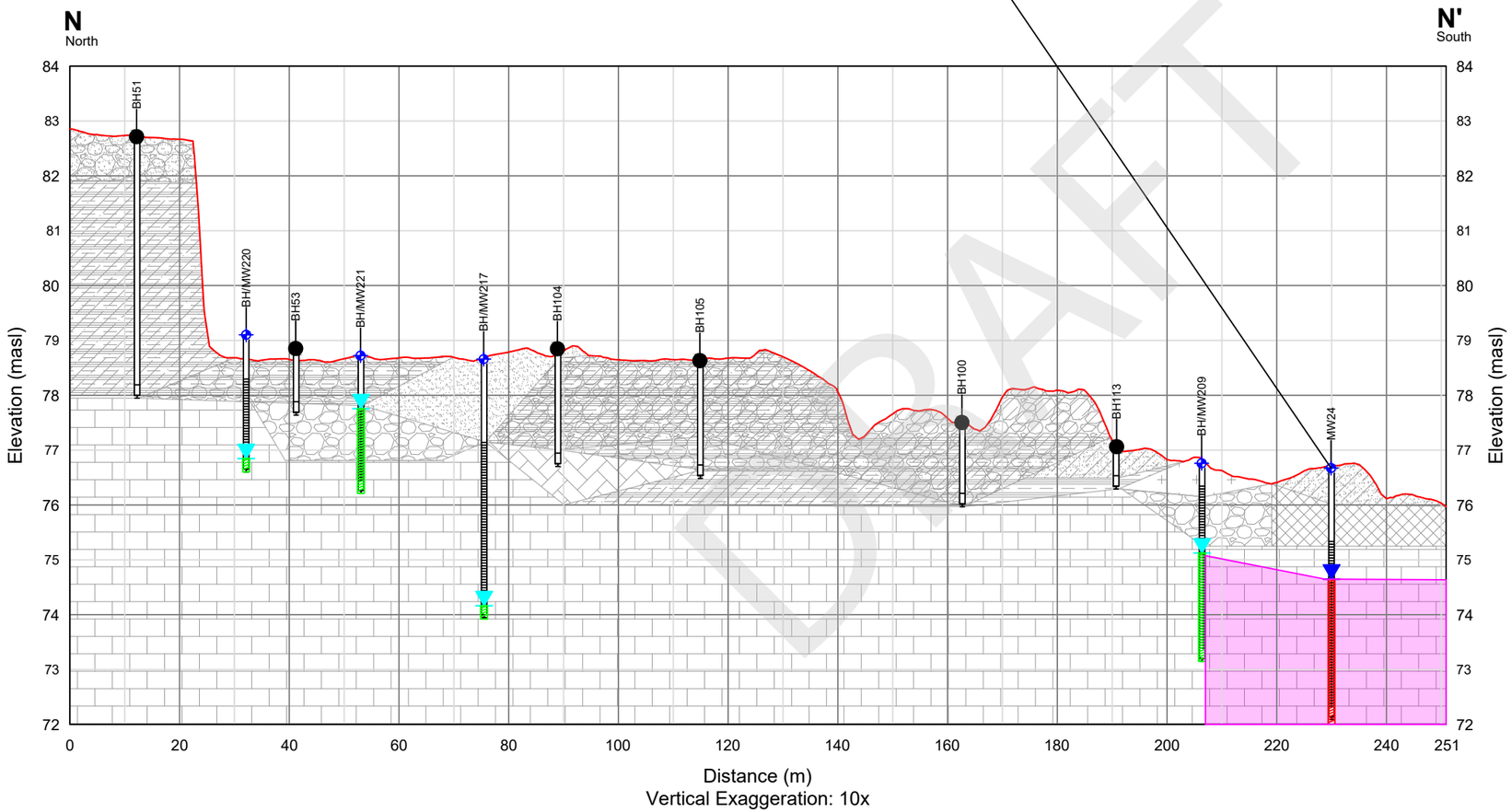
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-17c	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW24-22
Parameter	Units	MECP-2011-GW-T7-FMT	2022-Jul-12
			1.5 - 4.5
Benzene	µg/L	0.5	4.34



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Sandy Gravel
- Clayey Gravel
- Silty Gravel
- Silty Clayey Gravel
- Shale
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 20.027 40.059 Metres
1:1001.374

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - BTEX Cross-Section N-N'

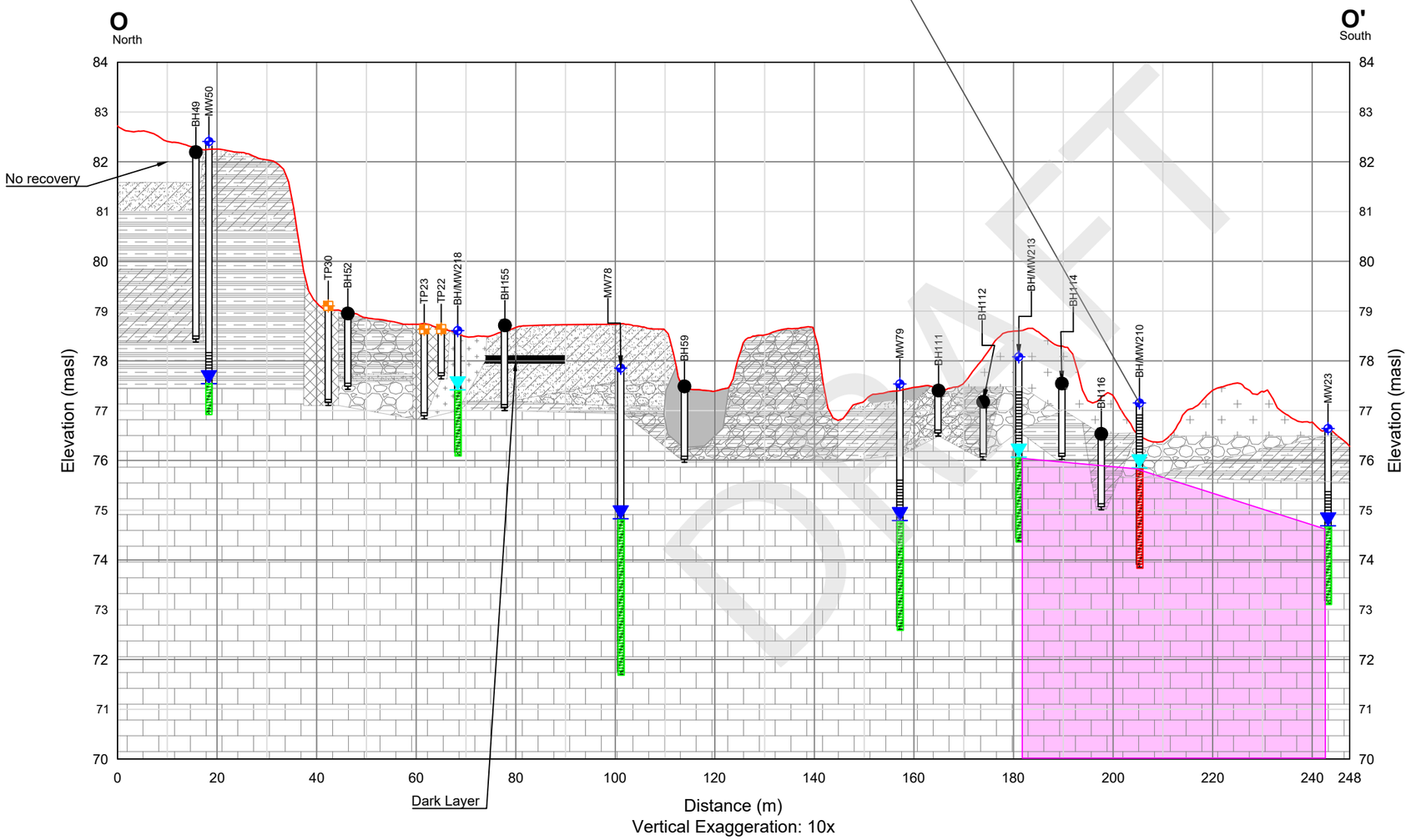
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-17d	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW210
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			0.3 - 3.3
Benzene	µg/L	0.5	20.6



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Asphalt
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 20 40 Metres
1:1000

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - BTEX Cross-Section O-O'

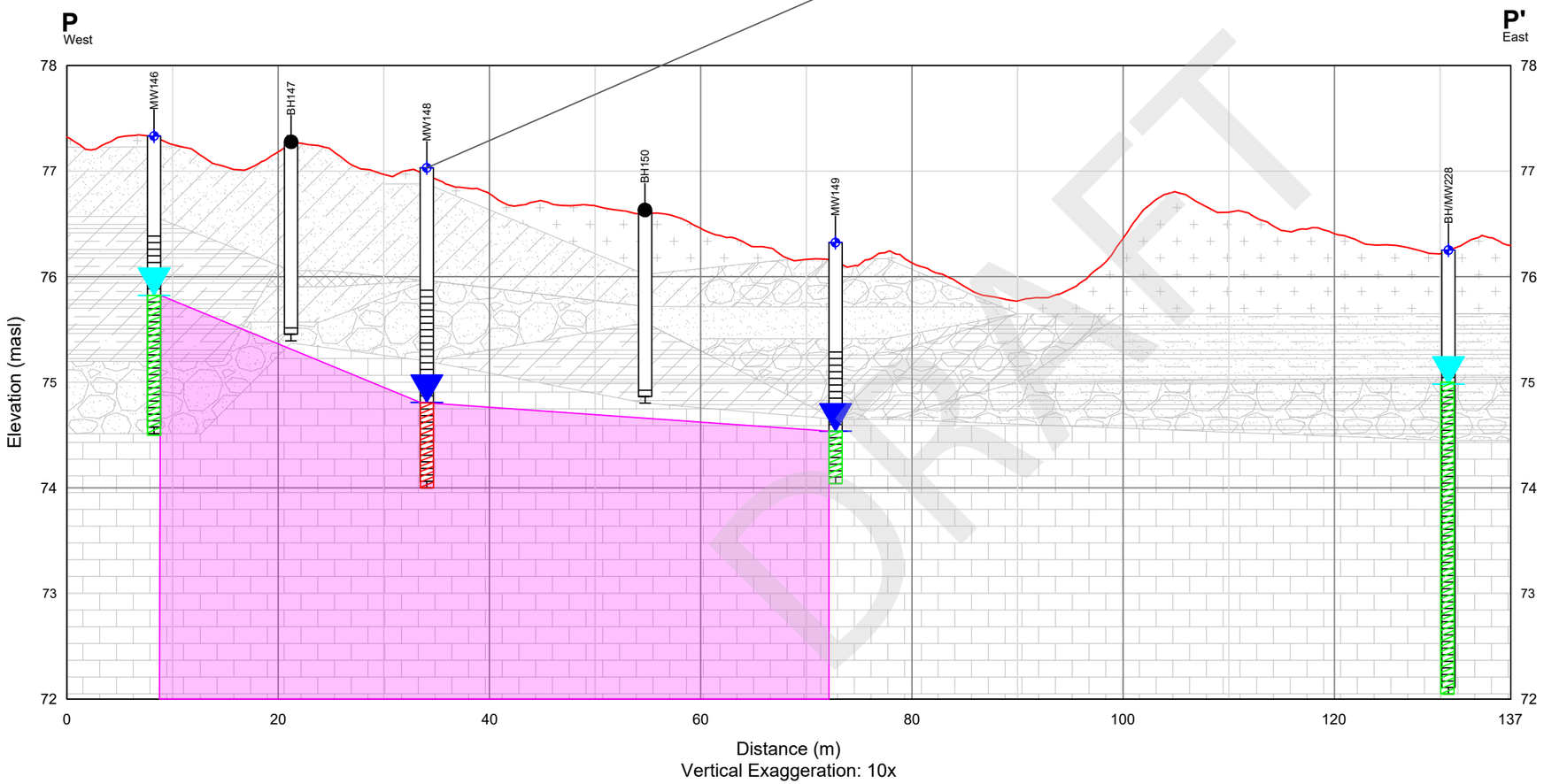
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-17e	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW148-11	MW148-12	MW148-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2022-Jul-13
			1.2 - 3.0	1.2 - 3.0	1.2 - 3.0
Toluene	µg/L	320	<0.2	84800	8830
Xylenes, total	µg/L	72	110	<1000	0.0187



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Fill (Cobble)
- Sandy Gravel
- Silty Gravel
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 10 20 Metres
1:500

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

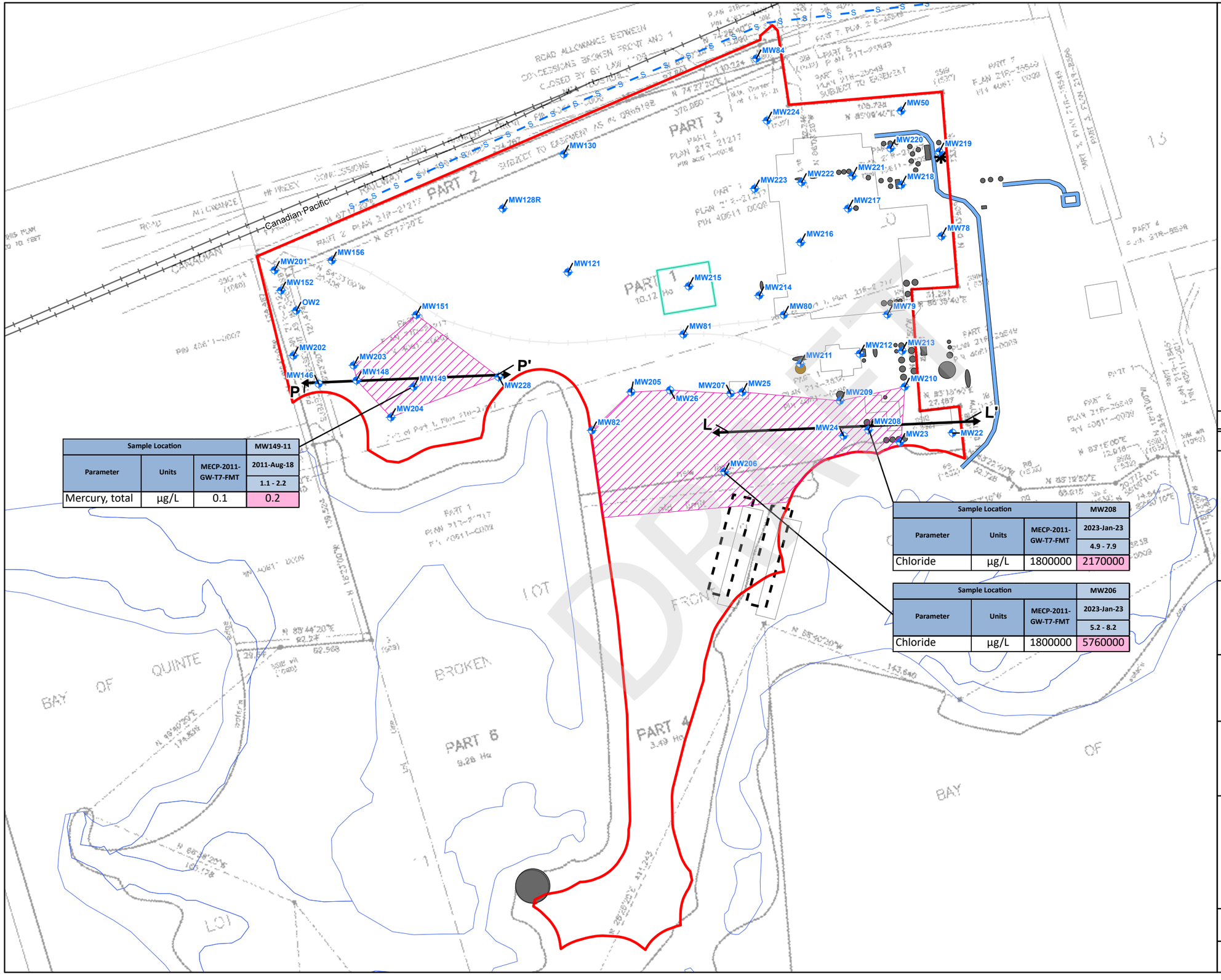
Impacts to Groundwater - BTEX Cross-Section P-P'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-17f	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg



Sample Location			MW149-11
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18
			1.1 - 2.2
Mercury, total	µg/L	0.1	0.2

Sample Location			MW208
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			4.9 - 7.9
Chloride	µg/L	1800000	2170000

Sample Location			MW206
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			5.2 - 8.2
Chloride	µg/L	1800000	5760000

LEGEND

- Monitoring Wells
- Sample result below applicable SCS
- Sample locaiton not tested for parameter
- Sample result above applicable SCS
- Cross Section Alignment
- Contamination Plume
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Groundwater - ORP

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

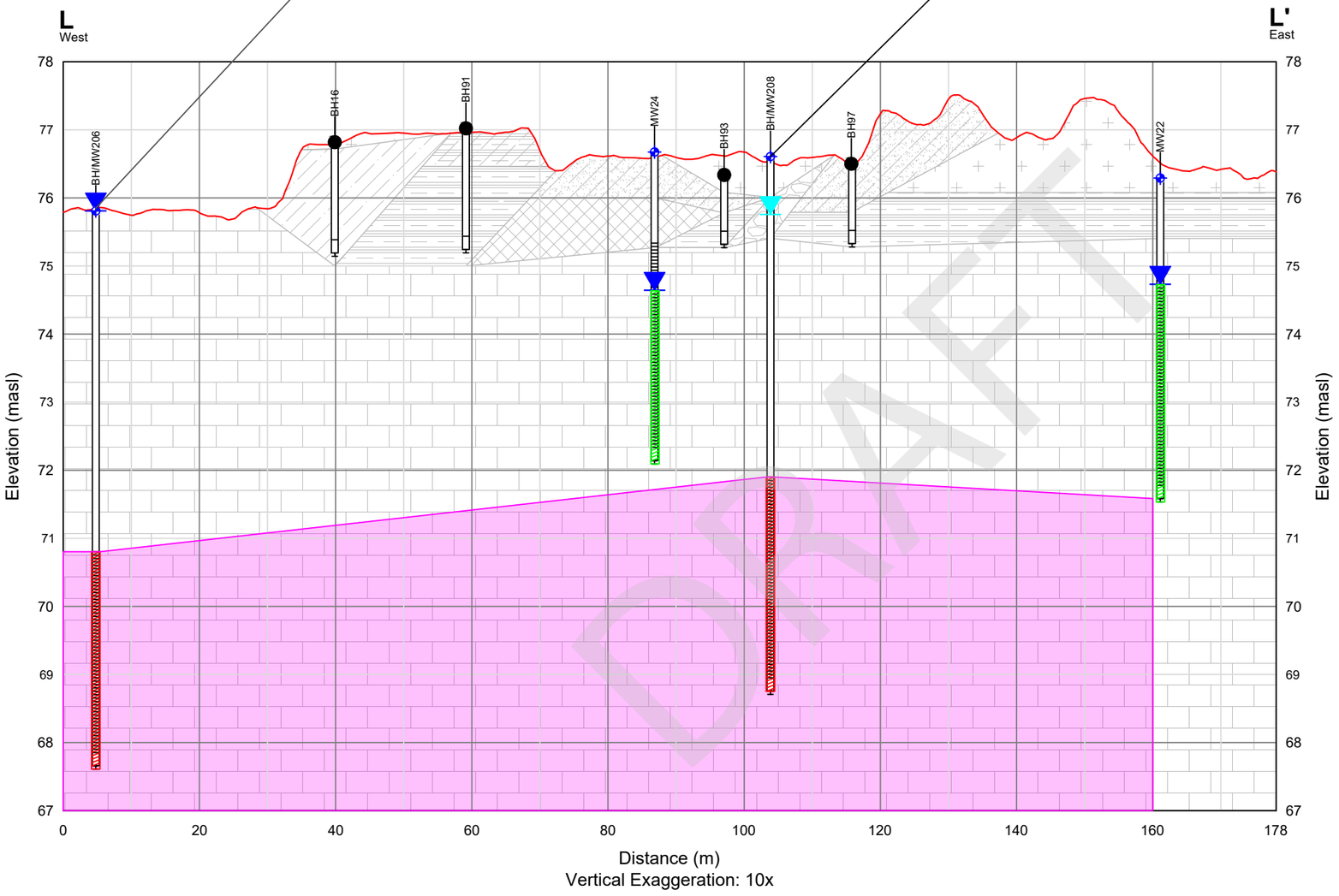
PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-18a	3

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\APRX\2023-08-03-PH2\220509 - PhaseTwoESA - 621 Dundas, Belleville.aprx

Sample Location			MW206
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			5.2 - 8.2
Chloride	µg/L	1800000	5760000

Sample Location			MW208
Parameter	Units	MECP-2011-GW-T7-FMT	2023-Jan-23
			4.9 - 7.9
Chloride	µg/L	1800000	2170000



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Fill
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

0 15 30 Metres
1:750

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - ORPs Cross-Section L-L'

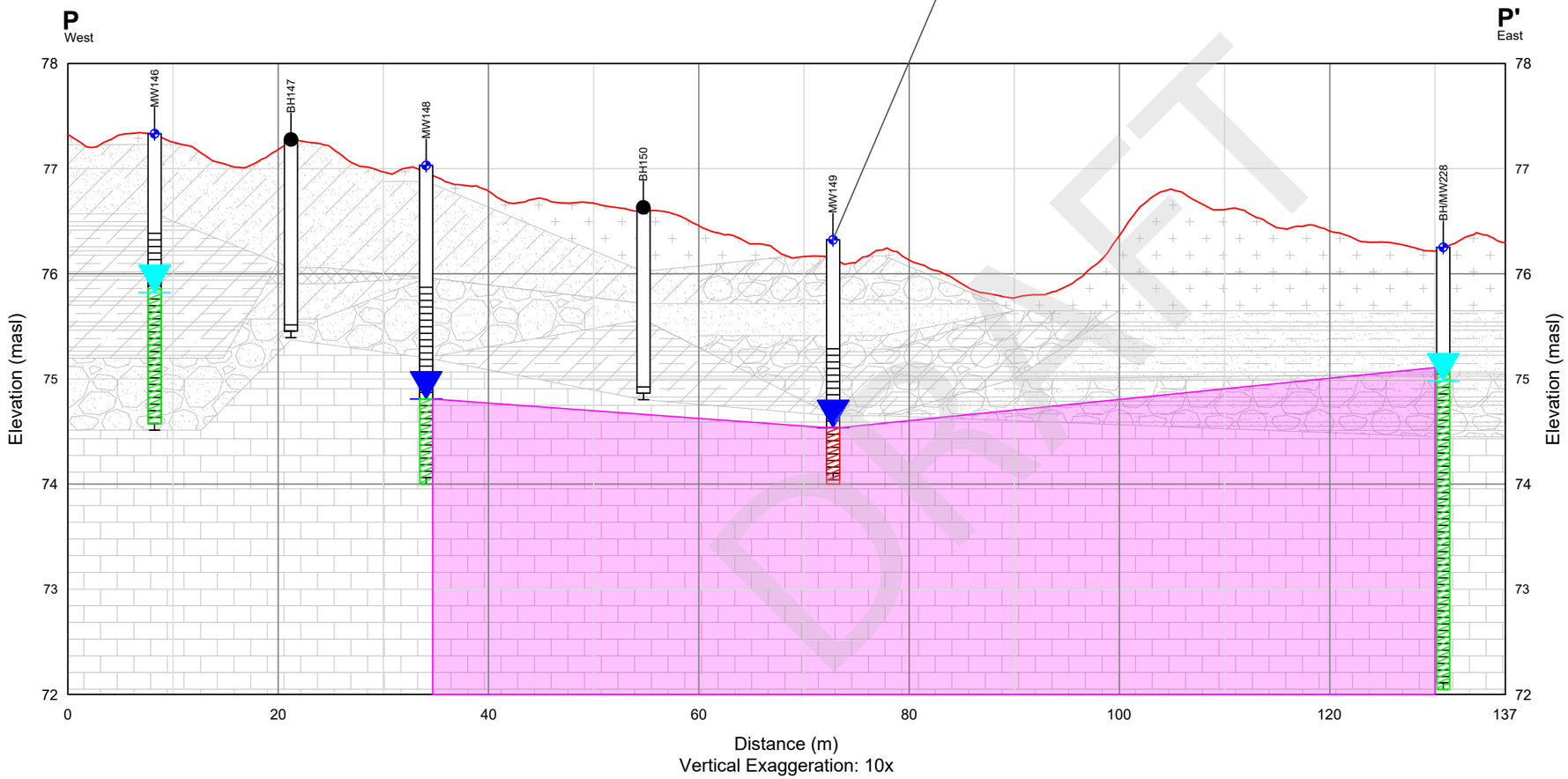
BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-18b	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg

Sample Location			MW149-11	MW149-12	MW149-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-18	2012-May-01	2022-Jul-13
			1.1 - 2.2	1.1 - 2.2	1.1 - 2.2
Mercury, total	µg/L	0.1	0.2	<0.1	<0.02



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Fill (Cobble)
- Sandy Gravel
- Silty Gravel
- Sandy Silt
- Clayey Silt
- Silty Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

0 10 20 Metres
1:500

N W E S

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

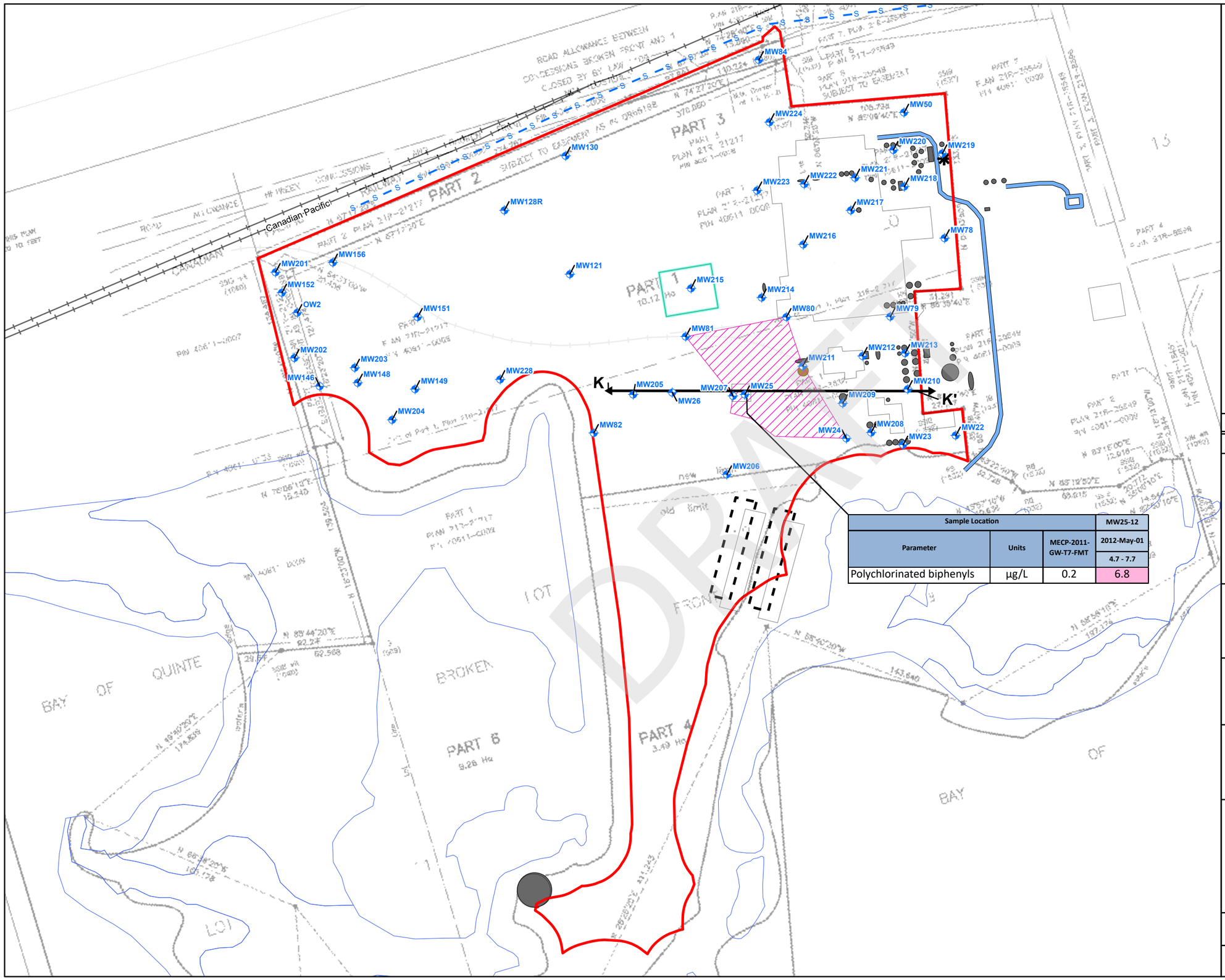
Impacts to Groundwater - ORPs Cross-Section P-P'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-18c	0

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\CAD\2023-08-03-gw\220509-Bakelite-RSC2.dwg



Sample Location			MW25-12
Parameter	Units	MECP-2011-GW-T7-FMT	2012-May-01
			4.7 - 7.7
Polychlorinated biphenyls	µg/L	0.2	6.8

LEGEND

- Monitoring Wells
- Sample result below applicable SCS
- Sample locaiton not tested for parameter
- Sample result above applicable SCS
- Cross Section Alignment
- Contamination Plume
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Groundwater - PCBs

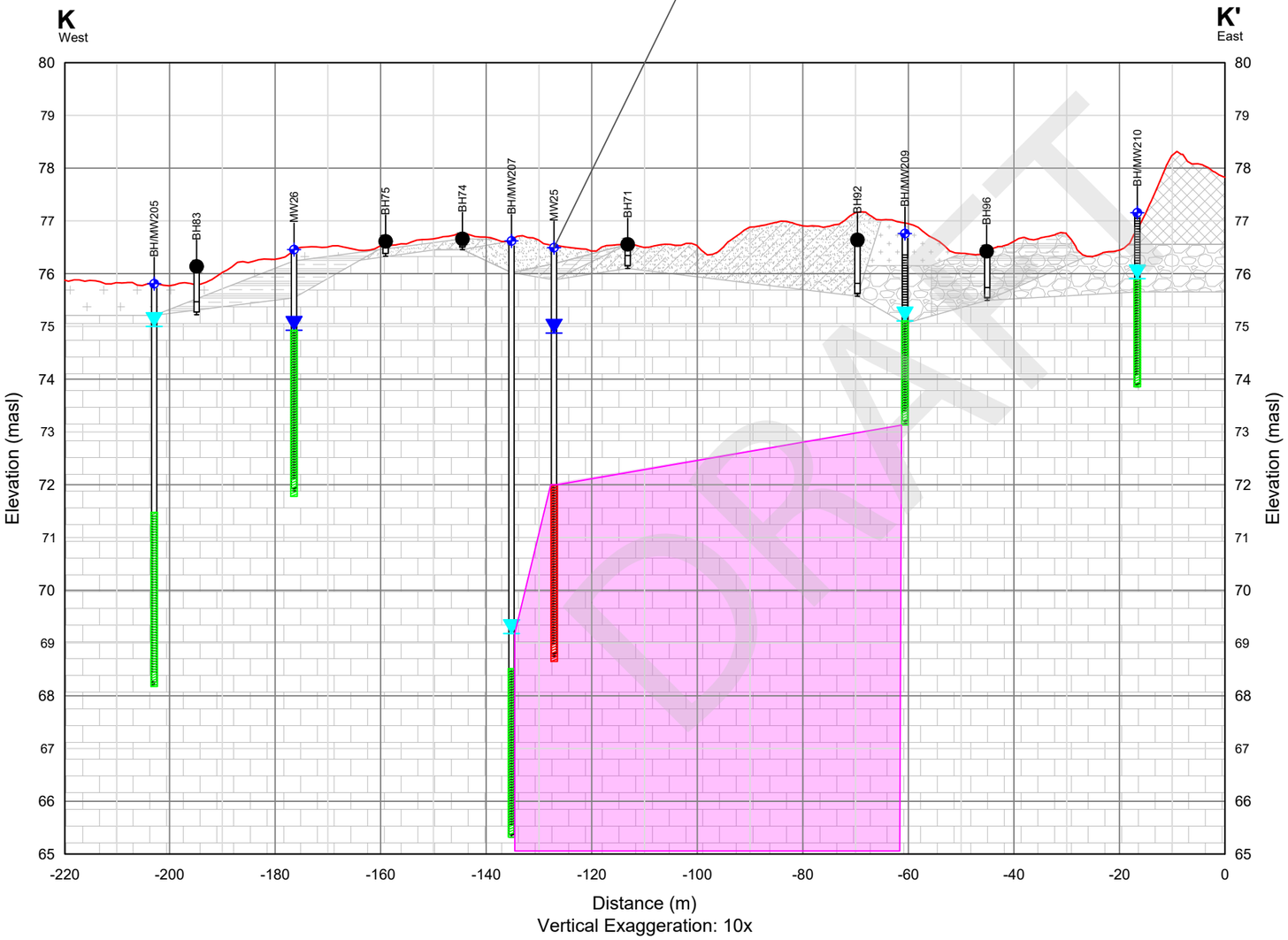
BluMetric Environmental
The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-19a	3

C:\SP\BluMetric Environmental\Geomatics - GIS\GIS_PROJECTS\220000\220509 - P06034 - Osprey Shores - BlueValley\APRX\2023-08-03-PH2\220509 - PhaseTwoESA - 621 Dundas, Belleville.aprx

Sample Location			MW25-11	MW25-12	MW25-22
Parameter	Units	MECP-2011-GW-T7-FMT	2011-Aug-17	2012-May-01	2022-Jul-12
			4.7 - 7.7	4.7 - 7.7	4.7 - 7.7
Polychlorinated biphenyls	µg/L	0.2	0.1	6.8	<0.1



LEGEND

- Monitoring Well
- Borehole
- Testpit
- Topsoil
- Gravel
- Clay
- Silt
- Sand
- Sandy Silt
- Clayey Silt
- Clayey Gravel
- Bedrock
- Groundwater Elevation (July, 2011)
- Groundwater Elevation (December, 2022)
- Sample Result Above Applicable SCS
- Sample Result Below Applicable SCS
- Contamination Plume

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

N W E S

0 20 40 Metres
1:1000

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA 621 Dundas Street East, Belleville, ON

TITLE

Impacts to Groundwater - PCBs Cross-Section K-K'

BluMetric™ Environmental
1682 Woodward Drive
Ottawa, Ontario, K2C 3R8
TEL: (613) 839-3053
FAX: (613) 839-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 3, 2023

DRAWN	CHECKED	DWG NO.	REV
MB	SA	2-19b	0

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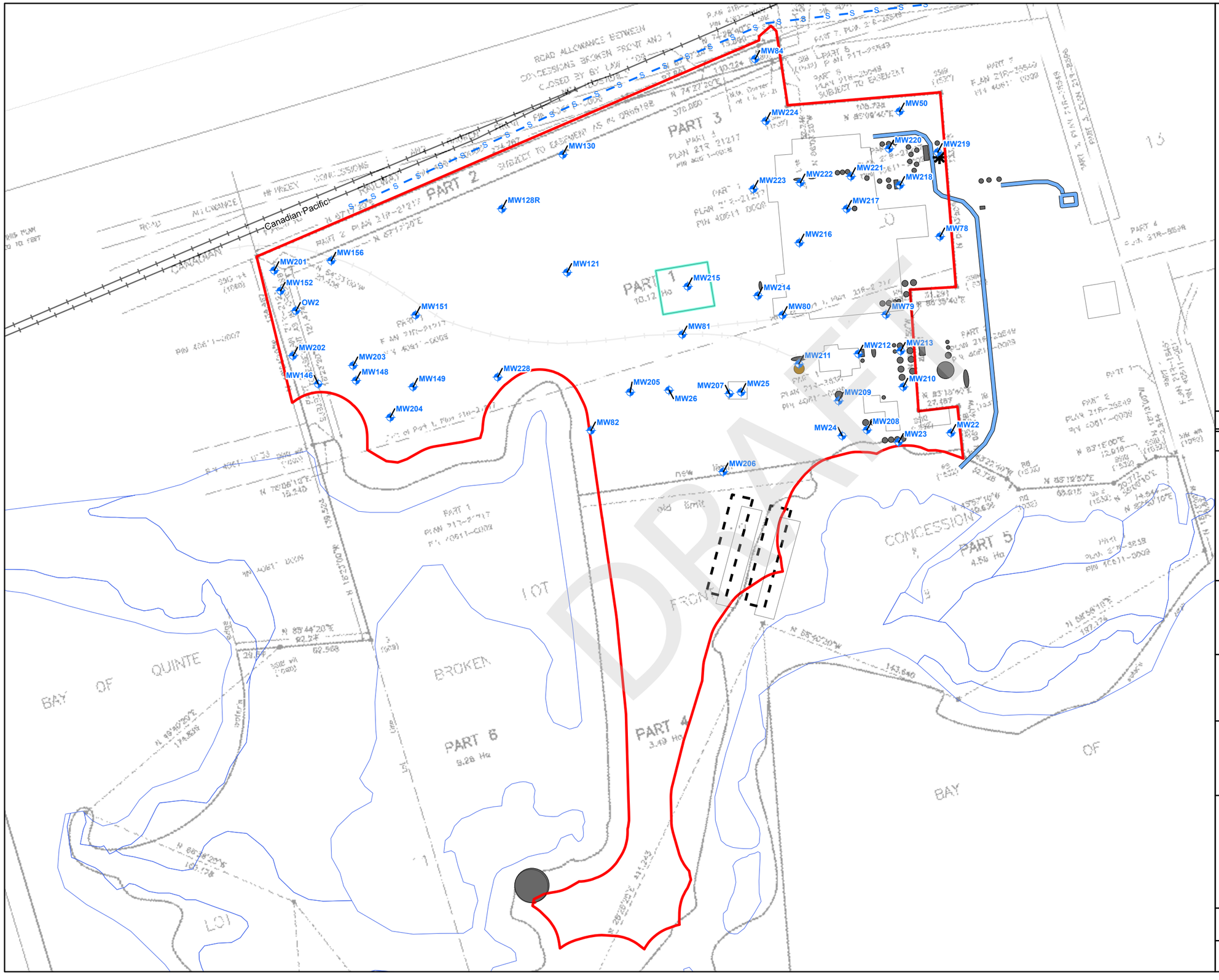


LEGEND

- Monitoring Wells
- Sample result below applicable SCS
- Sample location not tested for parameter
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

DO NOT SCALE DRAWING.
THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.

N W E S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

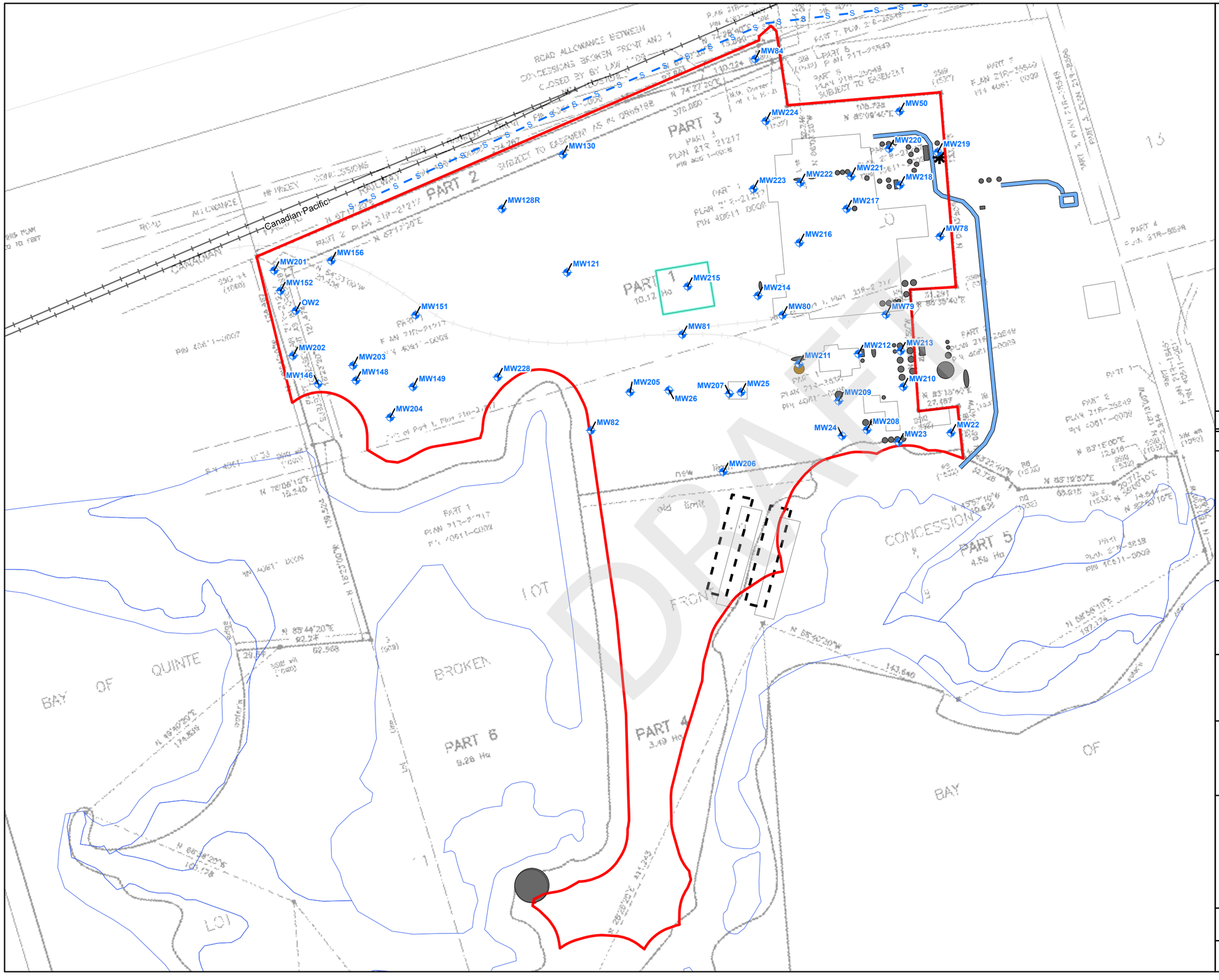
TITLE

Impacts to Groundwater - THMs

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-20a	3



LEGEND

- Monitoring Wells
- Sample result below applicable SCS
- Sample location not tested for parameter
- RSC Property Boundary
- Former Tank
- Caustic Lagoon
- Former Sludge Lagoon
- Former Site Feature
- Wetland - Evaluated (Provincial)
- Incinerator
- Smoke Stack
- Ditch and Vault (Approximate Locations)
- Storm Sewer
- Active Railway
- Former Railway

REV.	DESCRIPTION	YY/MM/DD	BY	CHK
1				

REFERENCES

N W E S

0 25 50 Metres

1:2,500

CLIENT

2255718 Ontario LTD

PROJECT

Phase Two ESA
621 Dundas Street East,
Belleville, ON

TITLE

Impacts to Groundwater - CPs

The Tower - The Woolen Mill,
4 Cataraqui St.,
Kingston, Ontario K7K 1Z7
TEL: (613) 531-2725
FAX: (613) 531-1852
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT #	DATE
220509	August 03, 2023

DRAWN	CHECKED	FIG NO.	REV
MB	SA	2-21a	3

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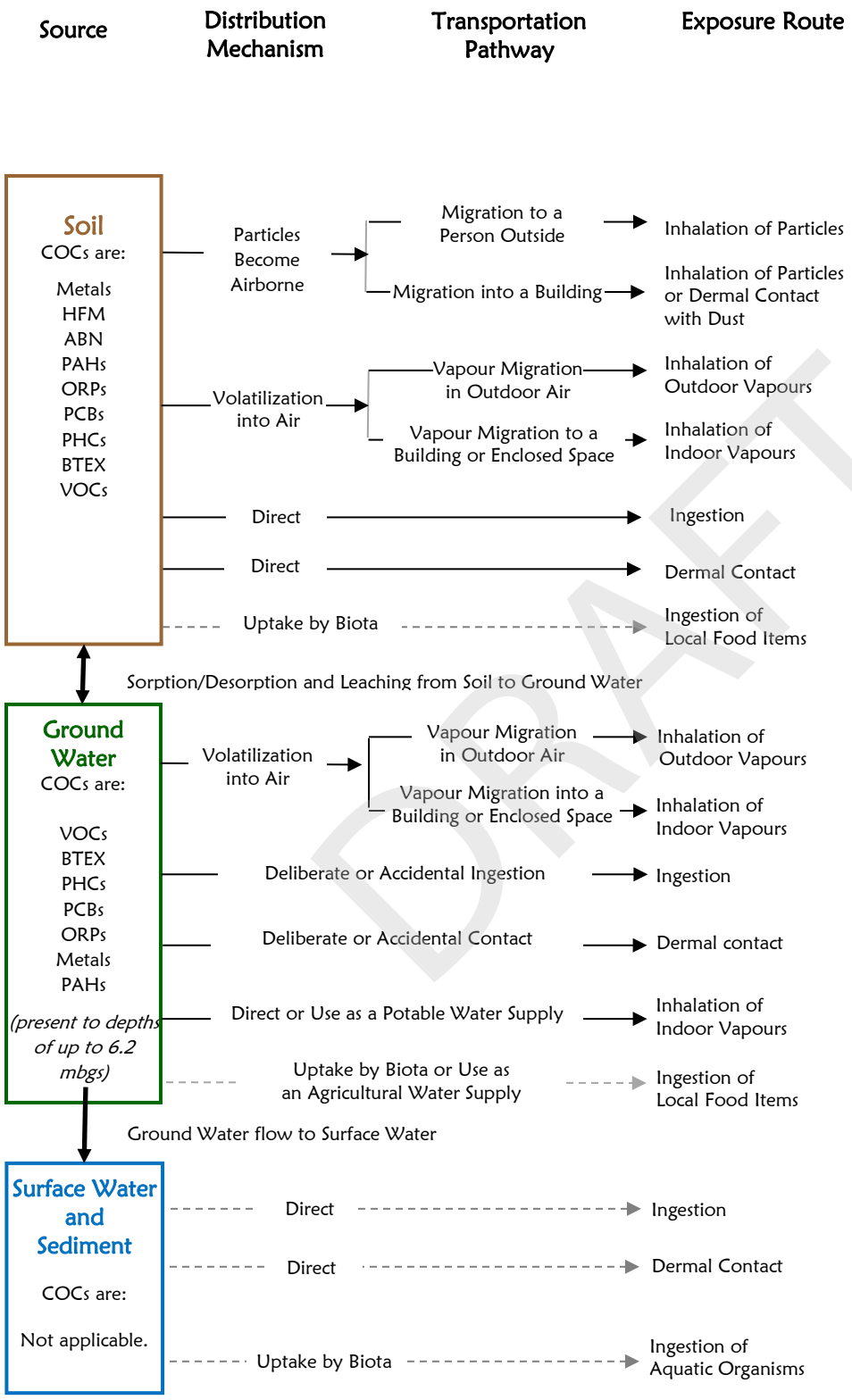
Figure 3-01A

POTENTIALLY COMPLETE EXPOSURE ROUTES FOR HUMAN RECEPTORS PRIOR REMEDIATION



Resident	Indoor Worker	Outdoor Worker	MUC Worker/Occ. Worker	Offsite Receptor
Yes	No	Yes	Yes	Yes
Yes	No	Yes	Yes	Yes
Yes	No	Yes	Yes	Yes
Yes	Yes	No	No	No
No	No	Yes	Yes	Yes
Yes	No	Yes	Yes	Yes
No	No	No	No	No

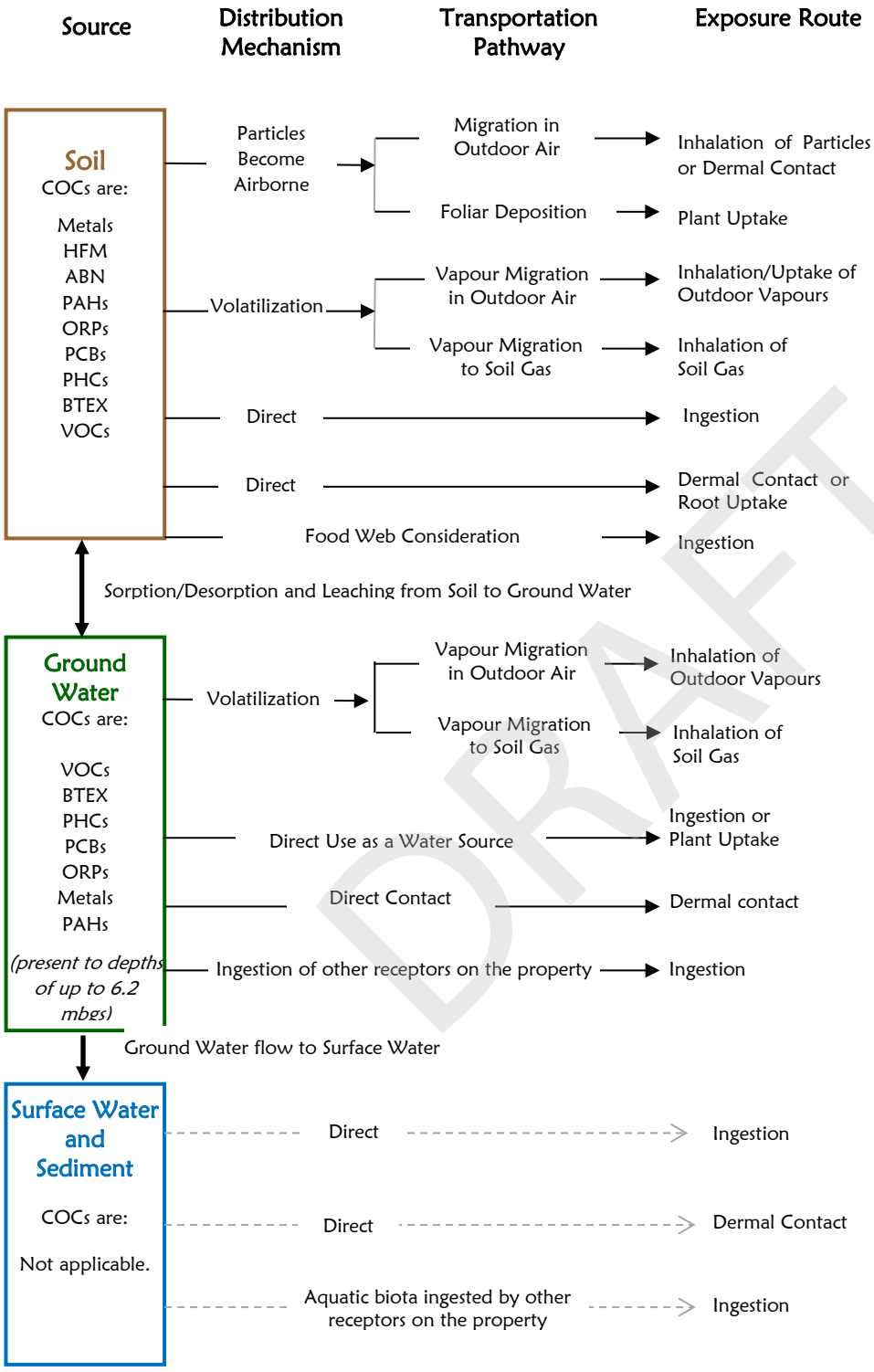
Yes	No	Yes	Yes	Yes
Yes	Yes	No	No	No
No	No	No	Yes	Yes
No	No	No	Yes	Yes
No	No	No	No	Yes
No	No	No	No	No

No	No	No	No	No
No	No	No	No	No
No	No	No	No	No

Legend:
Solid Black Line: Potentially complete pathway.
Dashed Gray Line: Incomplete pathway.
Yes & No indicate if an exposure pathway is complete for a receptor

Figure 3-02B

POTENTIALLY COMPLETE EXPOSURE ROUTES FOR ECOLOGICAL RECEPTORS PRIOR TO REMEDIATION



Types of Receptors

Plants	Soil Organisms	Mammals & Birds
No	Yes	Yes
Yes	No	No
Yes	Yes	Yes
No	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
No	Yes	Yes
Yes	Yes	Yes
No	Yes	Yes
Yes	Yes	Yes
No	Yes	Yes

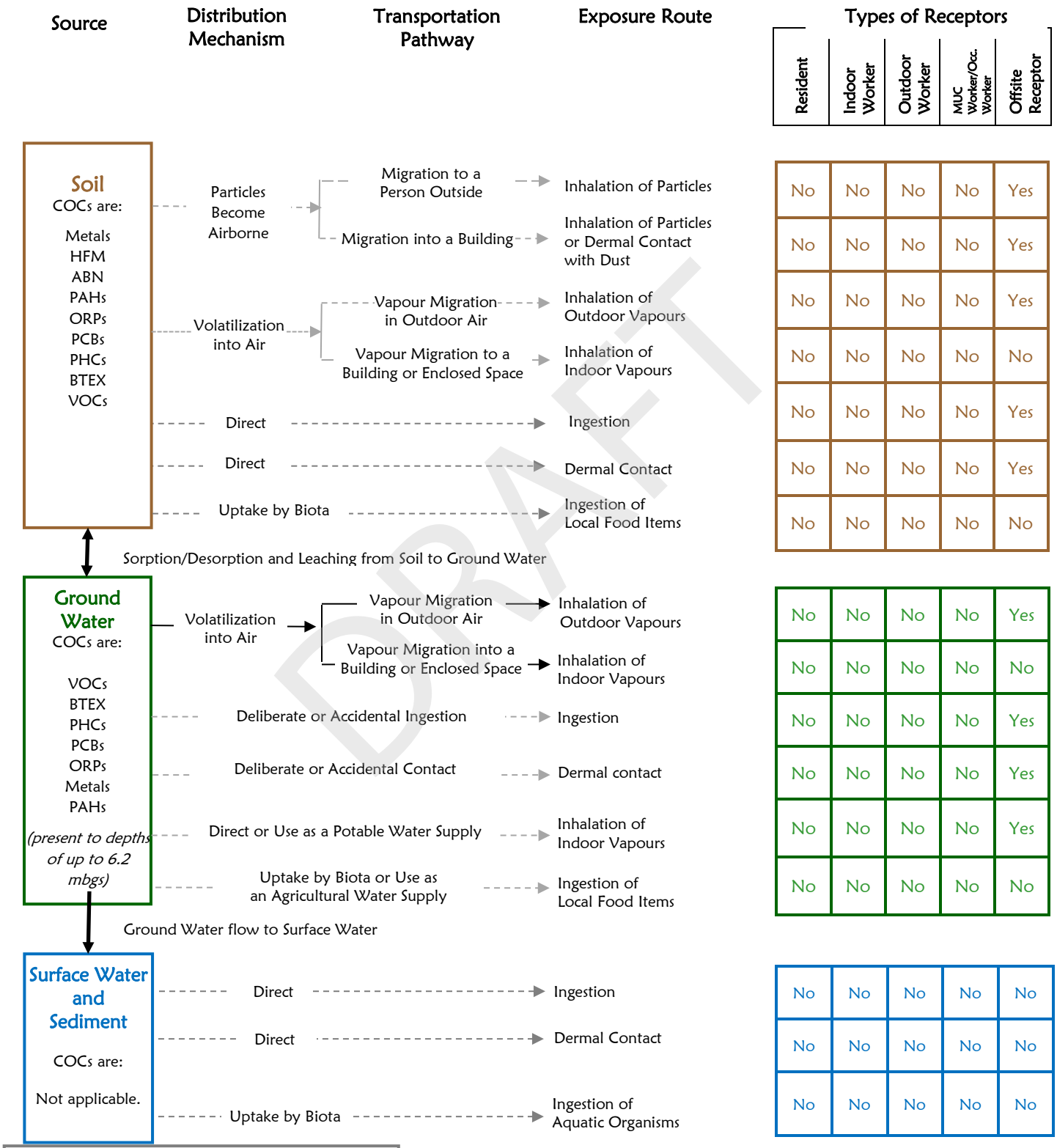
Aquatic Biota (all types, all off-site)

Not Applicable
Not Applicable
Not Applicable

Legend:
Solid Black Line: Potentially complete pathway.
Dashed Gray Line: Incomplete pathway.
Yes & No indicate if an exposure pathway is complete for a receptor

Figure 3-01C

POTENTIALLY COMPLETE EXPOSURE ROUTES FOR HUMAN RECEPTORS AFTER REMEDIATION OR WITH RISK MANAGEMENT MEASURES



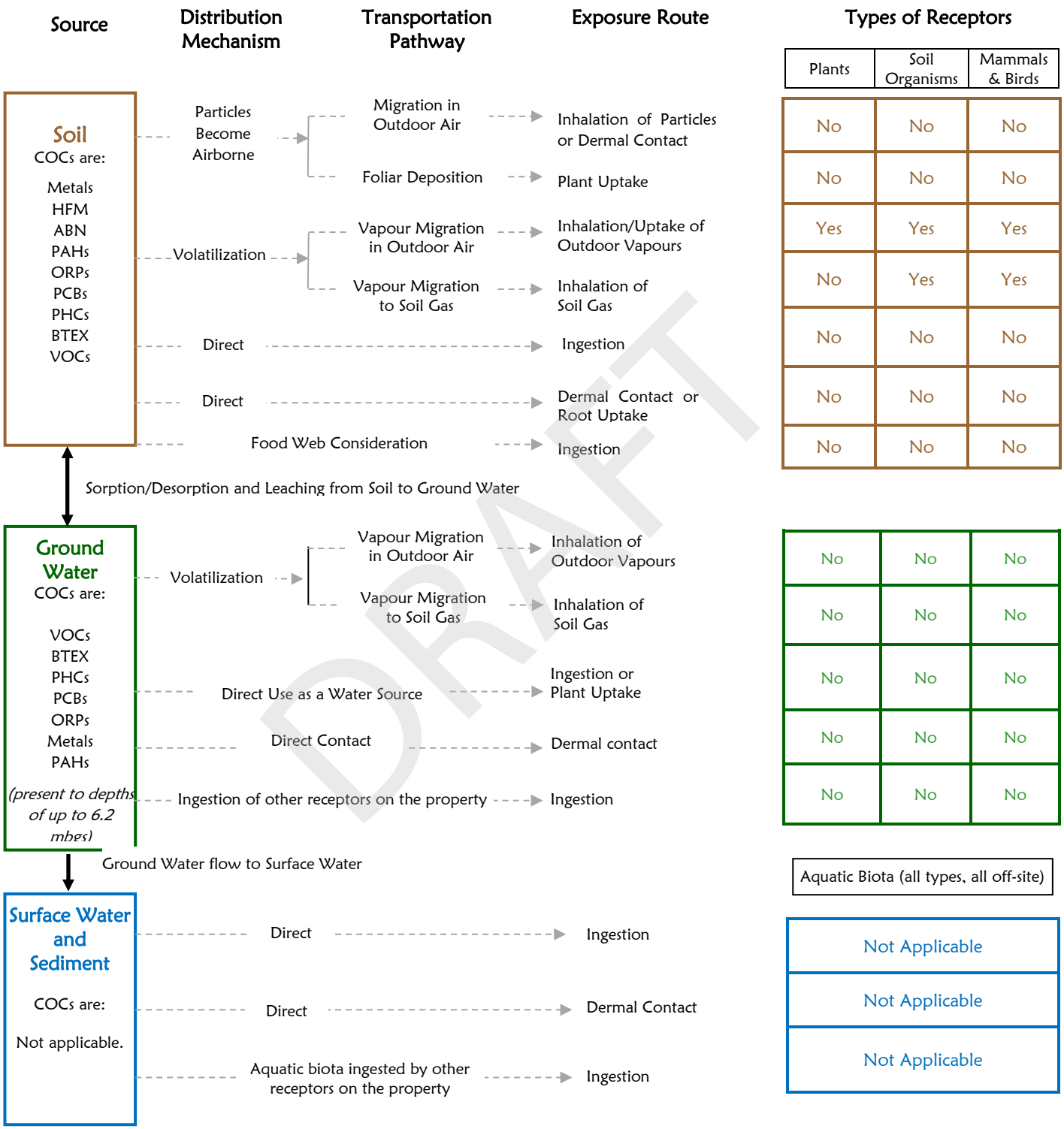
Types of Receptors

Resident	Indoor Worker	Outdoor Worker	MUC Worker/Occ. Worker	Offsite Receptor
No	No	No	No	Yes
No	No	No	No	Yes
No	No	No	No	Yes
No	No	No	No	No
No	No	No	No	Yes
No	No	No	No	Yes
No	No	No	No	No
No	No	No	No	Yes
No	No	No	No	No
No	No	No	No	Yes
No	No	No	No	Yes
No	No	No	No	Yes
No	No	No	No	Yes
No	No	No	No	No
No	No	No	No	No
No	No	No	No	No
No	No	No	No	No

Legend:
Solid Black Line: Potentially complete pathway.
Dashed Gray Line: Incomplete pathway.
Yes & No indicate if an exposure pathway is complete for a receptor

Figure 3-01D

POTENTIALLY COMPLETE EXPOSURE ROUTES FOR ECOLOGICAL RECEPTORS AFTER REMEDIATION OR WITH RISK MANAGEMENT MEASURES



Types of Receptors		
Plants	Soil Organisms	Mammals & Birds
No	No	No
No	No	No
Yes	Yes	Yes
No	Yes	Yes
No	No	No
No	No	No
No	No	No
No	No	No
No	No	No
No	No	No
No	No	No
No	No	No
No	No	No

Aquatic Biota (all types, all off-site)
Not Applicable
Not Applicable
Not Applicable

Legend:
Solid Black Line: Potentially complete pathway.
Dashed Gray Line: Incomplete pathway.
Yes & No indicate if an exposure pathway is complete for a receptor

APPENDIX A

Sampling Analysis Plan

A1.0 Sampling and Analysis Plan for the Initial Site Investigation

A Sampling and Analysis Plan was prepared prior to commencement of the fieldwork program at the Phase Two Property. The Sampling and Analysis Plan includes: the proposed scope of work, a quality assurance and quality control (QA/QC) program, data quality objectives, standard operating procedures, and a description of physical impediments that may limit the ability to conduct sampling and analysis.

A2.0 Objectives

The Phase One Environmental Site Assessment (ESA) Conceptual Site Model (CSM) for the Phase Two Property identified the presence of on-site Potentially Contaminating Activities (PCAs) that may have affected the soil and groundwater beneath the Phase Two Property. The Phase One CSM described pertinent Areas of Environmental Concern (APECs) associated with the PCAs that require further investigation, as described in Table 4 "Table of Areas of Potential Environmental Concern" (Section 3.2).

Based on the APEC table, the Phase Two ESA is therefore required to:

- Investigate the APECs identified during the Phase One ESA, through the drilling of boreholes, and collection of soil and groundwater samples; and
- Identify maximum concentrations of any contaminants and delineate the contaminants of concern, if present, for the purpose of calculating a volume estimate for a remediation plan or informing an adequate Risk Assessment.

All work should meet the requirements of O. Reg. 153/04, as amended.

A3.0 Work Proposed

To meet the objectives noted above, the Phase Two ESA fieldwork program will generally consist of the following:

1. Prepare Health and Safety Plan (HASP) detailing hazards and precautions necessary to complete the fieldwork safely.
2. Advance up to 40 boreholes and/or test pits to anticipated depths of up to 15 metres (49 feet) bgs to penetrate native soils and intercept the shallow groundwater table in bedrock.
3. Complete some of the above boreholes with groundwater monitoring wells, designed to intercept the groundwater table.
4. Collect and submit soil samples for analysis of contaminants of concern.
5. Develop the groundwater monitoring wells by removal of at least 10 well volumes of water, or removal all water at least 3 times where recharge is particularly slow.

6. Collect and submit groundwater samples for analysis of contaminants of concern, after the wells have been adequately developed.

Additional locations may be added if the proposed locations do not provide enough information to meet the objectives.

The proposed borehole and monitoring well and sampling locations described above were positioned within the Phase Two Property to collect soil and groundwater samples to address potential impacts associated with the on-site APECs identified in the Phase One ESA.

The potential contaminants of concern identified in the Phase One ESA comprise:

- Metals and Inorganics
- Petroleum Hydrocarbons (PHCs)
- Benzene, Toluene, Ethylbenzene, Xylene (collectively, BTEX)
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Volatile Organic Compounds (VOCs)
- Polychlorinated Biphenyls (PCBs)
- Acid, Base, Neutral Extractables (ABNs)
- Chlorophenols (CPs)

A4.0 Sampling Methods

Boreholes will be advanced using split spoon methods to collect samples of the overburden materials. Soil samples for screening and sampling purposes will be collected from the core tubes. Samples retrieved from the core tubes will be placed in bags for field screening purposes or jarred accordingly for lab analysis. Nitrile gloves will be worn during sampling to prevent cross-contamination between samples.

Soil samples are to be logged and screened with a portable organic vapour monitor that will be examined daily for calibration and defects. In the event of any non-compliant calibration or any notable defects, the monitor will not be utilized and returned to the supplier.

Soil samples for analytical submission will be jarred in laboratory-supplied containers as soon as possible after sampling, labelled, and kept cold until transported to the laboratory. Soil samples submitted for PHC F_1 and/or VOC analyses will be field-preserved using the laboratory-supplied vials precharged with methanol.

A5.0 Sample Handling and Custody

Sample handling will be conducted in accordance with **BluMetric** Standard Work Instructions. In general, samples will be collected in laboratory-supplied sample containers, containing preservatives as required. Samples will be stored on ice until transported to the laboratory, ideally within 24 hours of sample collection.

Samples will be labelled with the sample number, sample date, project location, and project number. Sample shipment to the laboratory will be arranged as required. **BluMetric** will complete the Chain of Custody as per laboratory requirements and retain a copy on file.

A6.0 Quality Assurance & Quality Control

BluMetric will conduct the following quality control as part of this sampling work program:

- All non-dedicated sampling and monitoring equipment will be cleaned following each use.
- One duplicate sample will be collected for every ten samples of soil tested per parameter group.
- Sufficient volume will be collected from a second sample for the laboratory to complete a laboratory duplicate analysis.

The laboratory will complete additional quality control testing (i.e., duplicates and method spikes) as required by its certification.

Analytical data from this work program will be verified and validated by **BluMetric** by determining the relative percent difference (RPD) for duplicate samples collected in the field. **BluMetric** will also review the analysis of field and trip blanks, laboratory-completed duplicates, and matrix spikes to verify that these are within laboratory-specified acceptable ranges.

Where the target RPD is exceeded, **BluMetric** will investigate to assess whether the cause can be determined and whether the RPD exceedance affects the use of the data.

Where detectable concentrations are found in a trip blank or field blank, **BluMetric** will evaluate the possible causes of the result and impacts on data.

Where laboratory QA/QC results indicate issues with data quality, **BluMetric** will also evaluate the impacts of this information and report on our findings and conclusions.

APPENDIX B

Borehole Logs

BOREHOLE ID: BH128R

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *79.74 m*
TOP: *80.65 m*

UTM (Zone): 4893141.559 N
312602.447 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Notes
		Ground Surface	0.0 / 79.7				J-plug; Stickup 0.91m
0	80	**Gravelly Sand** Brown coarse sand and gravel	[1.2]	BH128R SS1		0	Cement and sand; Bentonite seal
1	79		1.2 / 78.5				
		Sand Brown medium sand with trace gravel	[1.5]	BH128R SS2	Metals, VOCs, PHCs, PAHs, ABNs, CPs	5	Silica sand; 50 mm 010 slot PVC pipe
2	78						
		Clayey Sand Brown medium sand with trace clay, sticky	2.7 / 77.0				
3	77	Wet at 3.35	[1.0]	BH128R SS3		5	2022-Dec-22: 3.60 m bgs (76.14 m)
	76		3.7 / 76.0				

Recovery (%) | Blow Counts | Type | Construction

Drill Date: December 22, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger
Hole Diameter (OD):
Logged By: ML
Checked By: SA

AUGER SAMPLE
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

Sheet 1 of 1

BOREHOLE ID: BH201

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *80.07 m*
TOP: *80.98 m*

UTM (Zone): 4893099.588 N
312447.156 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Construction	Notes
-1	81										J-plug Stickup 0.91m
0	80	Ground Surface	0.0 80.1								
		Topsoil Brown medium sand, moist	[0.6] 0.6			6 5 5 4	0.0 BH201 SS1 0.6		0		Concrete and sand
1	79	**Sand** Brown/gray coarse sand with some clay	79.5 [0.9] 1.5			5 7 3 3	0.8 BH201 SS2 1.4		0		
2	78	**Gravelley Clay** Clay with gravel, some cobles between 2.44m and 2.77m	78.6 [1.3]			3 3 2 1	1.5 BH201 SS3 2.1	Metals, VOCs, PHCs, PAHs	0		
			2.8			3 5 7 7	2.3 BH201 SS4 2.9		0		Bentonite seal 2022-Dec-23: 2.70 m bgs (77.37 m)
3	77	**Bedrock** Weathered Limestone	77.3								
4	76	wet at 4.88									
5	75		[5.6]								Silica sand 50 mm 010 slot PVC pipe
6	74										
7	73										
8	72		8.4 71.7								

Drill Date: December 23, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH202

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *78.33 m*
TOP: *79.24 m*

UTM (Zone): 4893041.184 N
312459.907 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Construction	Notes
									1000 (200 400 600 800)		
-1	79										jplug Stickup 0.91m
		Ground Surface	0.0 / 78.3								
0	78	**Topsoil** Topsoil	[0.6]			6 5 4 2	0.0 BH202 SS1 0.6		0		Concrete and sand
		Sand Brown coarse sand with clay, moist	0.6 / 77.7								
1	77		[0.9]			4 4 3 4	0.9 BH202 SS2/DUP 1.5	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs, pH	0		Bentonite seal
		Gravelley clay Clay with gravel, moist Boulder at 2.34m Wet at 2.44m	1.5 / 76.8			5 10 12 22	1.5 BH202 SS3 2.1		0		
2	76		[1.8]			6 8 7 7	2.4 BH202 SS4 3.1	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs,	0		
		Bedrock Weathered Limestone Void at 3.66m	3.3 / 75.0								2022-Dec-22: 3.12 m bgs (75.21 m)
3	75										Silica sand 50 mm 010 slot PVC pipe
4	74		[1.9]								
		Void at 4.57m									
5	73		5.3 / 73.1								

Drill Date: December 22, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH203

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *77.31 m*
TOP: *78.21 m*

UTM (Zone): 4893034.611 N
312500.970 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Notes
		Ground Surface	0.0							Stickup 0.90m J-plug Bentonite seal
0	77	**Sand** Brown medium sand with gravel and boulders, dry	77.3 [0.6] 0.6			5 12 14 10	0.0 BH203 SS1 0.6			Concrete and sand
1	76	**Cobbles with sand** Cobbles with medium brown sand	76.7 [0.9] 1.5			10 6 5 4	0.9 BH203 SS2 1.5			Silica sand
2	75	**Clayey Sand** Coarse sand with clay, trace limestone, moist Boulder at 1.85m	75.8 [0.9] 2.4			6 21	1.5 BH203 SS3 2.1	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs, pH		2022-Dec-22: 2.22 m bgs (75.09 m)
3	74	**Bedrock** Weathered Limestone Void at 3.05m	74.9							
4	73	Void at 4.27m Void at 4.57m	[3.9]							50 mm 010 slot PVC pipe
5	72									
6	71		6.3 71.0							
7	70									
8	69									

Drill Date: December 22, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH204

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *76.48 m*
TOP: *77.37 m*

UTM (Zone): 4892999.359 N
312526.260 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Notes
-1	77	Ground Surface	0.0 / 76.5							J-plug; Stickup 0.89m
0		**Gravelly Sand** Gray/brown coarse sand with gravel, moist	[0.6] / 0.6 / 75.9			6 5 5 5	BH204 SS1 0.0–0.6	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs	0	Concrete and sand
1	76	**Sand** Gray coarse sand and gravel with trace clay	[0.9] / 1.5 / 75.0			7 8 8 18	BH204 SS2 0.9–1.5		0	Bentonite seal; 2022-Dec-22: 1.50 m bgs (74.98 m)
2	75	**Clay** Gray clay with trace gravel, wet	[0.5] / 2.1 / 74.4			10 4 3	BH204 SS3 1.5–2.1		0	
3	74	**Bedrock** Weathered Limestone; Void at 3.05m	[2.7]							Silica sand; 50 mm 010 slot PVC pipe
4	73	Void at 3.96m	4.7 / 71.8							
5	72									
	71									

Drill Date: December 22, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH205

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *75.81 m*
TOP: *76.67 m*

UTM (Zone): 4893016.291 N
312689.877 E

SUBSURFACE PROFILE					SAMPLE						WELL COMPLETION	
Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	1000 Headspace Vapour Level (PPM) 200 400 600 800	Construction	Notes
-1	76		Ground Surface	0.0								J-plug Stickup 0.86m
0			**Topsoil** brown medium sand, moist	75.8 [0.6] 0.6			2 2 3 4	0.0 BH205 SS1 0.6	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs,	5		Concrete and sand
1	75		**Bedrock** Weathered Limestone	75.2								2022-Dec-20: 0.82 m bgs (74.99 m)
			Voids at 1.52m									
2	74		Voids at 2.13									Bentonite seal
			Voids at 2.44									
3	73		Voids at 3.05m Wet at 3.20m									
4	72			[7.0]								
5	71		Voids at 5.49m									
6	70											Silica sand 50 mm 010 slot PVC pipe
7	69			7.6								
8	68			68.2								
	67											

Drill Date: December 20, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BH MW OB LOG 220509 30 WELLS KC.GPJ BLUMETRIC STANDARD.GDT 8/1/23

BOREHOLE ID: BH206

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *75.81 m*
TOP: *76.72 m*

UTM (Zone): 4892962.113 N
312753.422 E

Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM) 1000 200 400 600 800	Construction	Notes
-1	77											J-plug Stickup 0.91m
			Ground Surface	0.0 75.8								
0	76		**Bedrock** Weathered limestone									Concrete and sand
1	75			[2.1]								
2	74			2.1 73.7								Bentonite seal
			Solid limestone									
3	73											
4	72											
5	71			[6.1]								
6	70											Silica sand 50 mm 010 slot PVC pipe
7	69											
8	68			8.2 67.6								
			No samples taken.									

Drill Date: December 16, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH207

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *76.62 m*
TOP: *77.51 m*

UTM (Zone): 4893015.332 N
312757.586 E

SUBSURFACE PROFILE					SAMPLE						WELL COMPLETION	
Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	1000 Headspace Vapour Level (PPM) 200 400 600 800	Construction	Notes
			Ground Surface	0.0								J-plug Stickup 0.89m
0	77		**Sand** Brown medium to coarse sand with gravel	76.6 [0.6] 0.6			7 14 29 28	0.0 BH207 SS1 0.6	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs, Formaldehyde	0		Concrete and sand
1	76		**Bedrock** Weathered Limestone Voids at 1.22m Voids at 1.83m Voids at 2.13 Wet at 2.44m	76.0								Bentonite seal
2	75											
3	74											
4	73											
5	72											
6	71			[10.7]								2022-Dec-20: 7.44 m bgs (69.18 m)
7	70											
8	69											
9	68											
10	67											Silica sand 50 mm 010 slot PVC pipe
11	66			11.3								
12	65			65.3								
13	64											
	63											

Drill Date: December 20, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

Sheet 1 of 1

BOREHOLE ID: BH208

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *76.61 m*
TOP: *77.48 m*

UTM (Zone): 4892990.666 N
312851.338 E

SUBSURFACE PROFILE					SAMPLE						WELL COMPLETION	
Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	1000 Headspace Vapour Level (PPM) 200 400 600 800	Construction	Notes
			Ground Surface	0.0								J-plug Stickup 0.87m
0	77		**Topsoil** Organic topsoil with gravel	76.6 [0.6] 0.6			12 4 5 3	0.0 BH208 SS1 0.6		0		
1	76		**Gravel** Brown medium sand, moist	76.0 [0.6] 1.2			4 5	0.6 BH208 SS2 1.2	Metals, VOCs, PHCs, PAHs, PCBs, ABN, CP, Formaldehyde	5		2022-Dec-19: 0.85 m bgs (75.76 m) Concrete and sand
2	75		**Bedrock** Weathered Limestone Void at 2.74m	75.4								Bentonite seal
3	74											
4	73											
5	72		Void at 4.57m Void at 4.88m	[6.7]								Silica sand
6	71											
7	70		Void at 6.40m									50 mm 010 slot PVC pipe
8	69			7.9 68.7								
	68											

Drill Date: December 19, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH209

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *76.76 m*
TOP: *77.59 m*

UTM (Zone): 4893010.469 N
312832.130 E

Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM) 1000 (200 400 600 800)	Construction	Notes
			Ground Surface	0.0 / 76.8								J-plug; Stickup 0.83m
0	77		**Topsoil** Brown topsoil	[0.6]			4, 6, 11, 10	BH209 SS1 (0.0–0.6)		25		Concrete and sand; Bentonite seal
	76		**Gravel** Fine-medium compact gravel, dry	0.6 / 76.2 – [0.9] – 1.5			6, 5, 12, 28	BH209 SS2 (0.6–1.2)	Metals, VOCs, PHCs, PAHs, PCBs, ABN, CP, Formaldehyde	35		
1												2022-Dec-19: 1.64 m bgs (75.12 m)
	75		**Bedrock** Weathered limestone	1.5 / 75.2								
			Wet at 1.95m	[2.1]								Silica sand; 50 mm 010 slot PVC pipe
2	74			3.6 / 73.2								
3												
	73											

Drill Date: December 19, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH210

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *77.15 m*
TOP: *77.94 m*

UTM (Zone): 4893020.027 N
312876.175 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Notes
		Ground Surface	0.0							J-plug Stickup 0.79m
0	78	**Fill** Fill, topsoil, gravel, brick debris	77.2 [0.6] 0.6			4 5 6 7	0.0 BH210 SS1 0.6		0	Concrete and sand Bentonite seal
1	77	**Gravel** coarse fill and gravel, damp	76.5 [0.9] 1.5			3 14 20	0.6 BH210 SS2 1.2	Metals, VOCs, PHCs, PAHs, PCBs, ABN, CP, pH, Formaldehyde	5	2022-Dec-19: 1.25 m bgs (75.90 m)
2	76	**Bedrock** Weathered Limestone	75.6							50 mm 010 slot PVC pipe Silica sand
3	75		[1.8]							
	74		3.3 73.9							

Drill Date: December 19, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH211

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *77.03 m*
TOP: *77.69 m*

UTM (Zone): 4893035.726 N
312804.959 E

SUBSURFACE PROFILE					SAMPLE						WELL COMPLETION	
Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	1000 Headspace Vapour Level (PPM) 200 400 600 800	Construction	Notes
	78											
			Ground Surface	0.0								J-plug
0	77		**Topsoil** Brown topsoil, medium sand and gravel	77.0			3 10 6 8	0.0 BH211 SS1 0.6	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs, Formaldehyde	5		Stickup 0.66m Concrete and sand
				[1.5]			8 5 5 3	0.6 BH211 SS2 1.2		10		Bentonite seal
1	76											2022-Dec-16: 1.17 m bgs (75.86 m)
				1.5			5 4 2	1.2 BH211 SS3 1.8	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs, Formaldehyde	35		
			Sand Brown coarse sand with clay, wet, black layer of clay, slight odour	75.5 [0.6]								
2	75			2.1								Silica sand 50 mm 010 slot PVC pipe
			Bedrock Weathered Limestone, soft	74.9								
3	74			[1.8]								
				4.0								Cave in at bottom
				73.1								

Drill Date: December 16, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

Sheet 1 of 1

BOREHOLE ID: BH212

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *77.44 m*
TOP: *78.32 m*

UTM (Zone): 4893042.662 N
312845.507 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Construction	Notes
		Ground Surface	0.0								J-plug Stickup 0.88m
0	78	**Topsoil** Brown topsoil, coarse sand with gravel	77.4 [0.6] 0.6			4 8 6 6	0.0 BH212 SS1 0.6	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs, Formaldehyde	10		Concrete and sand
	77	**Gravelly Sand** Gravel with trace brown coarse sand	76.8 [0.9]			5 3 2 2	0.6 BH212 SS2 1.2		15		Bentonite seal 2022-Dec-16: 1.08 m bgs (76.36 m)
1	76	**Gravel** Gravel, saturated	1.5 75.9 [0.6]			4 3 2 1	1.2 BH212 SS3 1.8		15		Silica sand 50 mm 010 slot PVC pipe
2	75	**Sandy Clay** Grey clay with coarse sand, saturated	2.1 75.3 [0.6]			6	1.8 BH212 SS4 2.4	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs, Formaldehyde	15		
3	74		2.7 74.7								

Drill Date: December 16, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH213

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *78.08 m*
TOP: *78.96 m*

UTM (Zone): 4893044.491 N
312874.402 E

SUBSURFACE PROFILE					SAMPLE						WELL COMPLETION	
Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	1000 Headspace Vapour Level (PPM) 200 400 600 800	Construction	Notes
	79											J-plug Stickup 0.88m
			Ground Surface	0.0								
0	78		**Topsoil** Brown topsoil	78.1 [0.6] 0.6			2 2 5	0.0 BH213 SS1 0.6		10		Concrete and sand Bentonite seal
			Gravel Fine-medium compact gravel, dry	77.5			8 2 10	0.6 BH213 SS2/DUP	Metals, VOCs, PHCs, PAHs, PCBs, ABN, CP, pH, Formaldehyde	15		
1	77			[0.9] 1.5				1.2				
			Bedrock Weathered Limestone Wet at 1.95m	76.6								2022-Dec-19: 2.01 m bgs (76.07 m) Silica sand 50 mm 010 slot PVC pipe
2	76											
				[2.1]								
3	75			3.7 74.4								

Drill Date: December 19, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH214

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *78.34 m*
TOP: *79.09 m*

UTM (Zone): 4893082.129 N
312777.034 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Notes
		Ground Surface	0.0							J-plug Stickup 0.75m
0	78	**Fill** Gravel, brick, brown medium sand	78.3 [1.2]			7 14 29 28	0.0 BH214 SS1 0.6		5	Concrete and sand Bentonite seal
						12 10 6 6	0.6 BH214 SS2 1.2	VOCs, PHCs, PAHs, ABNs, CPs	5	
1	77	**Sand** Brown sticky coarse sand, moist, slight odour	77.1 [0.8]			3 3 5 4	1.2 BH214 SS3 1.8	VOCs, PHCs, PAHs, ABNs, CPs		
			2.0				BH214 SS4			2022-Dec-20: 2.08 m bgs (76.26 m)
2	76	**Bedrock** Weathered Limestone Wet at 2.44m Void at 2.59m	76.4 [1.7]							Silica sand 50 mm 010 slot PVC pipe
3	75	Void at 3.05m	3.7 74.7							

Drill Date: December 20, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH215

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *77.55 m*
TOP: *78.46 m*

UTM (Zone): 4893088.551 N
312729.072 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Construction	Notes
		Ground Surface	0.0								J-plug Stickup 0.91m
0	78	**Topsoil** Brown coarse sand, with fill, trace bricks	77.5 [0.6] 0.6			4 11 11 10	0.0 BH215 SS1 0.6	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs, Formaldehyde			Concrete and sand
1	77	**Fill** Gravel with sand and gravel	76.9 [0.6] 1.2			5 5 5	0.6 BH215 SS2 1.2				Bentonite seal
2	76	**Bedrock** Weathered limestone Void at 2.44m Void at 2.74m	76.4 [3.4]								2022-Dec-20: 1.58 m bgs (75.97 m)
3	75	Wet at 3.20m									Silica sand 50 mm 010 slot PVC pipe
4	74	Void at 4.27m									
5	73		4.6 73.0								
	72										

Drill Date: December 20, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH216

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *78.68 m*
TOP: *79.59 m*

UTM (Zone): 4893118.431 N
312805.347 E

Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Construction	Notes
										1000 (200 400 600 800)		
-1												J-plug
	79											Stickup 0.91m
0			Ground Surface	0.0								
			Topsoil Topsoil, organics, fill with brick	78.7 [0.6] 0.6			4 10 15 12	0.0 BH216 SS1 0.6	PAHs, PCBs			Concrete and sand
	78		**Fill** Fill with brick	78.1 [0.9]			10 5 6 4	0.6 BH216 SS2 1.2				2022-Dec-21: 0.53 m bgs (78.15 m) Bentonite seal
1				1.5								
			Bedrock Weathered limestone	77.2								
	77		Voids at 1.83m									
2			Void and wet at 2.13m	[1.5]								Silica sand 50 mm 010 slot PVC pipe
	76		Void at 2.74m									
3				3.1 75.6								
	75											

Drill Date: December 21, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH217

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *78.66 m*
TOP: *79.57 m*

UTM (Zone): 4893141.301 N
312837.649 E

SUBSURFACE PROFILE					SAMPLE						WELL COMPLETION	
Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	1000 Headspace Vapour Level (PPM) 200 400 600 800	Construction	Notes
-1	79											J-plug Stickup 0.91m
0			Ground Surface	0.0 78.7				0.0				Concrete and sand
	78		**Sand** Brown medium to coarse sand with gravel	[1.5]				BH217 SS1	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs, pH			Bentonite seal
1								1.4				
	77		**Bedrock** Weathered limestone	1.5 77.1								
2												
	76		Void at 3.96m									
3				[3.2]								Silica sand 50 mm 010 slot PVC pipe
	75		Wet at 4.88m									
4												2022-Dec-20: 4.50 m bgs (74.16 m)
	74			4.7 73.9								
5												
	73											

Drill Date: December 20, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

AUGER SAMPLE
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

Sheet 1 of 1

BOREHOLE ID: BH218

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *78.61 m*
TOP: *79.51 m*

UTM (Zone): 4893157.602 N
312873.896 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Construction	Notes
									1000 (200 400 600 800)		
-1											jplug
	79										Stickup 0.90m
0		Ground Surface	0.0								
		Topsoil Brown medium sand	78.6				0.0				Concrete and sand
	78		[1.6]				BH218 SS1	Metals, VOCs, PHCs, PAHs, ABNs, CPs, pH	0		Bentonite seal
1		Wet at 1.22									2022-Dec-20: 1.19 m bgs (77.42 m)
	77		1.6				1.5				Silica sand
		Bedrock Weathered limestone	77.0								50 mm 010 slot PVC pipe
2		Void at 2.13	[0.9]								
			2.5								
	76		76.1								
3											
	75										

Drill Date: December 20, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

AUGER SAMPLE
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH219

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *81.14 m*
TOP: *82.00 m*

UTM (Zone): 4893180.102 N
312899.632 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Notes
		Ground Surface	0.0							J-plug; Stickup 0.86m
0	82									
	81	**Topsoil** Brown topsoil, medium sand and gravel, moist	81.1 [0.6] 0.6			4 5 4 6	0.0 BH219 SS1 0.6		5	Concrete and sand; Bentonite seal
1	80	**Gravelly Sand** Brown medium sand with gravel, moist	80.5 [0.9] 1.5			5 4 4 3	0.6 BH219 SS2 1.2	Metals, VOCs, PHCs, PAHs, ABN, CP, Dioxins Furans	5	
		Sand Brown coarse sand, moist	79.6 [0.6] 2.1			4 4 5 10	1.2 BH219 SS3 1.8		5	
2	79	**Sand with Gravel and Clay** Grey to brown coarse sand, gravel and clay, wet	79.0 [0.9] 3.0			17 20 29 3	1.8 BH219 SS4 2.4		0	Silica sand; 50 mm 010 slot PVC pipe
3	78	**Bedrock** Weathered limestone	78.1 [0.9] 4.0							2022-Dec-15: 3.11 m bgs (78.03 m)
			77.2							

Drill Date: December 15, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH220

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *79.10 m*
TOP: *79.99 m*

UTM (Zone): 4893182.534 N
312866.445 E

SUBSURFACE PROFILE					SAMPLE						WELL COMPLETION	
Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	1000 Headspace Vapour Level (PPM) 200 400 600 800	Construction	Notes
-1	80											J-plug Stickup 0.89m
			Ground Surface	0.0								
0	79		**Gravelly Clay** Clay with gravel, wet	79.1				0.0				Concrete and sand Bentonite seal
				[1.6]				BH220 SS1/DUP	Metals, VOCs, PHCs, PAHs, ABNs, CPs, pH	0		
1	78							1.2				Silica sand 50 mm 010 slot PVC pipe
			Bedrock Weathered limestone	1.6 77.5								
2	77		Void at 2.13m	[0.9]								2022-Dec-23: 2.26 m bgs (76.84 m)
				2.5 76.6								
3	76											

Drill Date: December 23, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

AUGER SAMPLE
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH221

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *78.72 m*
TOP: *79.63 m*

UTM (Zone): 4893163.597 N
312840.456 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Construction	Notes
									1000 (200 400 600 800)		J-plug; Stickup 0.91m
0	79	Ground Surface	0.0 / 78.7				0.0				
		Clay and Gravel Gravel with clay, wet	[0.9]								Concrete and sand; Bentonite seal
1	78	**Gravel** Gravel	0.9 / 77.8				BH221 SS1	Metals, VOCs, PHCs, PAHs, ABNs, CPs, pH	5		2022-Dec-22: 0.96 m bgs (77.76 m)
			[1.0]				1.5				Silica sand; 50 mm 010 slot PVC pipe
2	77	**Bedrock** Weathered Limestone	1.9 / 76.8								
		Void at 2.28	[0.6]								
3	76		2.5 / 76.2								
	75										

Drill Date: December 22, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

AUGER SAMPLE
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

Sheet 1 of 1

BOREHOLE ID: BH222

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *78.66 m*
TOP: *79.55 m*

UTM (Zone): 4893159.354 N
312805.968 E

SUBSURFACE PROFILE					SAMPLE						WELL COMPLETION	
Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	1000 Headspace Vapour Level (PPM) 200 400 600 800	Construction	Notes
-1												jplug
												Stickup 0.89m
	79		Ground Surface	0.0 78.7								
0			**Gravelly Sand** Brown coarse sand and gravel	[1.2]				0.0 BH222 SS1	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs, pH	0		Concrete and sand
	78											Bentonite seal
1				1.2 77.5				1.2				
			Bedrock Weathered limestone									
	77		Void at 1.67m	[1.4]								Silica sand
												50 mm 010 slot PVC pipe
2			Void at 1.95m									
			Void at 2.28m									2022-Dec-22: 2.37 m bgs (76.29 m)
	76			2.6 76.1								
3												
	75											

Drill Date: December 22, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

AUGER SAMPLE
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

Sheet 1 of 1

BOREHOLE ID: BH223

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *78.94 m*
TOP: *79.64 m*

UTM (Zone): 4893155.016 N
312774.006 E

Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Construction	Notes
										1000 (200 400 600 800)		
-1	80											J-plug
												Stickup 0.91m
	79		Ground Surface	0.0								
0			**Fill** Brick fill, gray clay with gravel	78.9			6	0.0				Concrete and sand
				[0.6]			6	BH223 SS1/DUP	VOCs, PHCs, PAHs, PCBs, ABNs, CPs			
							5					Bentonite seal
				0.6			7	0.6				
			Bedrock Weathered Limestone	78.3								2022-Dec-21: 0.70 m bgs (78.24 m)
1	78											
			Wet at 1.52m									Silica sand
				[2.4]								
2	77											50 mm 010 slot PVC pipe
3	76			3.1								
				75.9								

Drill Date: December 21, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH224

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *82.48 m*
TOP: *83.39 m*

UTM (Zone): 4893201.319 N
312782.410 E

Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM) 1000 / 200 400 600 800	Construction	Notes
												J-plug
												Stickup 0.91m
			Ground Surface	0.0								
0	83		**Topsoil** Brown medium topsoil, damp	82.5 [0.6] 0.6			3 5 6 6	0.0 BH224 SS1 0.6		5		Concrete and sand
	82		**Gravelly Sand** Brown medium sand with gravel, moist	81.9 [0.9] 1.5			4 3 7 10	0.6 BH224 SS2 1.2	Metals, BTEX, PHCs, PAHs, pH	5		Bentonite seal
1	81		**Sand with Gravel and Clay** Gray and brown coarse sand with gravel and clay, moist	81.0 [0.6] 2.1			7 8 9 9	1.2 BH224 SS3 1.8		0		
	80		**Gravelly Clay** Clay with gravel and limestone, moist	80.4 [1.2] 3.4			8 12 20 25	1.8 BH224 SS4 2.4		0		
2							14	2.4 BH224 SS5 3.1		0		Silica sand 50 mm 010 slot PVC pipe
3	79		**Bedrock** Weathered limestone	79.1 [0.9] 4.3								2022-Dec-18: 3.82 m bgs (78.66 m)
4	78			78.2								
5	77											

Drill Date: December 18, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH228

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *76.25 m*
TOP: *77.14 m*

UTM (Zone): 4893026.819 N
312599.583 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Construction	Notes
		Ground Surface	0.0								J-plug Stickup 0.89m Bentonite seal
0	76	**Topsoil** Brown coarse sandy topsoil, moist	76.3 [0.6] 0.6			2 3 2 2	0.0 BH228 SS1 0.6	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs			Concrete and sand Silica sand
1	75	**Clayey Sand** Brown medium sand with trace clay, moist	75.6 [0.6] 1.2			2 2 3 4	0.6 BH228 SS2 1.2				
		Sand with Gravel and Clay Brown medium sand with clay and gravel Wet at 1.72 m	75.0 [0.6] 1.8			3 3 3 7	1.2 BH228 SS3 1.8				
2	74	**Bedrock** Weathered Limestone	74.4			14 25	1.8 BH228 SS4 2.1				50 mm 010 slot PVC pipe
3	73	Void at 3.35m Void at 3.66m Void at 3.96m	[2.4]								
4	72		4.3 72.0								
5	71										

Drill Date: December 21, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH232

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *75.32 m*
TOP: *76.12 m*

UTM (Zone): 4892947.260 N
312499.509 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Construction	Notes
		Ground Surface	0.0								J-plug Stickup 0.80m
0	76	**Topsoil** Brown medium sandy topsoil, moist	75.3 [0.6] 0.6			5 4 3 4	0.0 BH232 SS1 0.6				Concrete and sand Bentonite seal
1	75	**Clayey Sand** Brown coarse sand with clay, moist	74.7 [0.9]			4 3 2 2	0.6 BH232 SS2 1.2	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs			2022-Dec-21: 1.09 m bgs (74.23 m)
2	74	**Gravelly Clay** Clay with gravel	1.5 73.8 [0.6]			4 7 28	1.2 BH232 SS3 1.8				Silica sand 50 mm 010 slot PVC pipe
3	73	**Bedrock** Weathered limestone	2.1 73.2 [0.3] 2.4								
	72		72.9								

Drill Date: December 21, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH234

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *76.03 m*
TOP: *76.92 m*

UTM (Zone): 4892972.463 N
312566.143 E

Depth (m)	Elevation (m)	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	Headspace Vapour Level (PPM)	Construction	Notes
-1	77										J-plug Stickup 0.89m
		Ground Surface	0.0								
0	76	**Topsoil** Topsoil, fill trace brick and gravel, moist	76.0 [0.6] 0.6			4 6 14 13	0.0 BH234 SS1 0.6	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs			Concrete and sand Bentonite seal
		Gravelly sand Brown sand with gravel	75.4 [0.6] 1.2			4 8 4 2	0.6 BH234 SS2 1.2				
1	75	**Fill** Clay and gravel	74.8			7 3 2 2	1.2 BH234 SS3 1.8				2022-Dec-21: 1.67 m bgs (74.36 m)
			[1.5]			8 10 30 38	1.8 BH234 SS4 2.4	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs			Silica sand 50 mm 010 slot PVC pipe
2	74		2.7								
		Bedrock Weathered limestone Wet at 3.10 Void at 3.35 Void at 3.66 Void at 3.96	73.3 [1.5] 4.3								
3	73										
4	72										
5	71		71.8								

Drill Date: December 21, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

SPLIT SPOON
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

BOREHOLE ID: BH235

Project No.: 220509
Client: 2255718 Ontario Inc.
Report: RSC Osprey Shores Belleville
Site Address: 621 Dundas St. E
Belleville, Ontario

Elevation Ground: *75.82 m*
TOP: *76.57 m*

UTM (Zone): 4892996.909 N
312651.995 E

SUBSURFACE PROFILE					SAMPLE						WELL COMPLETION	
Depth (m)	Elevation (m)	Symbol	Description	Depth (m) / Elev. (m.a.s.l.)	Type	Recovery (%)	Blow Counts	Sample ID	Lab Analysis	1000 Headspace Vapour Level (PPM) 200 400 600 800	Construction	Notes
			Ground Surface	0.0								J-plug Stickup 0.75m
-1	76											
0			**Topsoil** Black organic medium sand with gravel	75.8 [0.9]				0.0				Concrete and sand
	75		Boulder at 0.91	0.9 74.9				BH235 SS1		5		Bentonite seal
1			**Clay** Gray/brown clay with sand and gravel	[1.2]				1.5				2022-Dec-20: 1.08 m bgs (74.74 m)
	74							1.5 BH235 SS2	Metals, VOCs, PHCs, PAHs, PCBs, ABNs, CPs	10		
2			**Bedrock** Weathered Limestone	2.1 73.7				2.1				Silica sand 50 mm 010 slot PVC pipe
	73			[1.5]								
3			Wet at 3.20m Void at 3.50m									
	72			3.7 72.2								

Drill Date: December 20, 2022
Drilled By: Canadian Environmental Drilling and Contractors Inc.
Drilling Method: Hollow Stem Auger /Air Hammer
Hole Diameter (OD):
Logged By: ML
Checked By: SA

AUGER SAMPLE
Perched Groundwater Strike / Unstabilized Groundwater Level
True Groundwater Strike / Stabilized Groundwater Level

Appendix B: Summary of Test Pit Observations

Test Pit I.D.	Interval Depth (mbgs)	Soils Description and Comments
TP1	0 - 1.0	FILL(brick, ston, silt, clay, cinder block) brown
	1.0 - 1.15	ORGANICS(roots, peaty) dark brown to black, wet
TP2	0 - 0.55	FILL(brick, stone, silt, clay) wet at 0.55m
	0.55 - 0.60	ORGANIC layer (old cattails)
	0.60 - 0.95	Black to brown clayey SILT trace of gravel
TP3	0 - 0.45	FILL(silt, charcoal, gravel) dark brown to black
	0.45 - 0.75	FILL(brick, stone, concrete, silt) light brown to grey, dense
	0.75 - 1.05	FILL(brick, silt, clay, stone) dark brown to black
TP4	0 - 0.55	FILL(red brick, granular, silty clay) grey/brown
	0.55 - 0.70	black ash/charcoal
	0.70 - 0.95	grey/brown clayey SILT with gravel/stone
	0.95 - 1.20	red/brown clayey SILT with organics
TP5	0 - 1.8	FILL(glass, brick, stone, silty clay) brown to dark brown
	1.8 - 2.4	grey clayey SILT with gravel
TP6	0 - 1.1	FILL(silt, clay, stone) light brown
	1.1 - 2.0	grey clayey SILT with gravel, wet at bedrock interface
TP7	0 - 1.30	FILL(silt, clay, gravel, stone) grey brown to black, black at 1.10-1.30 woody debris
	1.30 - 1.55	grey clayey SILT with gravel, water at bedrock interface
TP8	0 - 0.65	FILL (silt, clay, gravel) Brown to light brown, geosynthetic cloth barrier at 0.65m. TP8-1 collected
	0.60 - 1.5	Grey silty CLAY, moist TP8-2 collected
	1.5 - 2.8	FILL (silt, clay, stone, gravel) grey/brown, strong odour, moist, TP8-3 collected
TP9	0 - 0.4	FILL (silt, clay, gravel) Brown to light brown, geosynthetic cloth barrier at 0.4m. TP9-1 collected
	0.4 - 2.8	FILL(silt, clay, gravel) Brown to light brown, coarse sand seam at 2.0m, FILL material black at bedrock, PHC odour, coarse sand in FILL at bedrock interface
TP10	0 - 1.3	FILL(silt, sand, gravel, boulders) TP10-1 collected
	1.3 - 1.5	Black leyer, saturated water flowing in at 1.5m TP10-2 collected
	1.5 - 2.5	FILL(silt, sand, gravel, boulders) saturated TP10-3 collected
TP11	0 - 1.4	Fill (boulders, sand, gravel, clay) wires and geosynthetic cloth near surface
	1.4 - 1.9	Black layer boulders, fine stone material, saturated
TP12	0 - 0.5	FILL(brick, concrete, cinder block, tile, silt, clay)
TP13	0 - 1.0	FILL(brick, wood, concrete, sand, silt)
TP14	0 - 1.15	FILL(brick, scrap metal, concrete, sand, silt)
	1.15 - 2.3	Clayey SILT light grey with stones
TP15	0 - 2.5	FILL(brick, coulders, concrete, silt, clay) odour at 1.75m
TP16	0 - 0.5	FILL(brick, concrete, gravel, sand)
	0.5 - 1.10	Brown sandy SILT fill with stones
	1.10 - 2.10	black clayey SILT, moist
TP17	0 - 1.10	crushed stone, grey, damp, bedrock
TP18	0 - 0.7	FILL(brick, concrete, stone, silt) damp
	0.7 - 1.2	Brown silty CLAY with grey seams
TP19	0 - 0.5	FILL(brick, concrete, stone, silt) damp
	0.5 - 0.9	Brown fine SAND, damp

Appendix B: Summary of Test Pit Observations

Test Pit I.D.	Interval Depth (mbgs)	Soils Description and Comments
TP20	0 - 0.4	GRAVEL
	0.4 - 1.6	FILL(gravel, silt, boulders) black seam at 0.6m
TP21	0 - 0.8	Grey silty CLAY with gravel
	0.8 - 1.1	Black silty CLAY
TP22	0 - 1.0	FILL(silt, gravel, sand) just below surface brown staining followed by black staining strong odour. Bedrock at 1.0m
TP23	0 - 1.8	FILL(silt, gravel, stone, sand) Black staining just below surface
TP24	0 - 3.3	FILL(boulders, sand, silt, black stringy material) black stains 3.0-3.3
	3.3 - 4.5	Grey clayey SILT with boulders damp
TP25	0 - 2.3	FILL(wood, boulders, brick, silt, sand)
	2.3 - 3.5	Grey clayey SILTwith boulders. Black staining at 2.5m
TP26	0 - 2.7	FILL(wood, boulders, silt, sand, brick)
	2.7 - 3.8	Grey/brown clayey SILT with boulders damp/dry
TP27	0 - 2.4	FILL(wood, brick, boulders, silt, sand)
	2.4 - 3.2	Grey/brown clayey SILT with layer of fine sand
TP28	0 - 1.9	Sandy SILT with organic layer and boulders
	1.9 - 2.5	Grey clayey SILT water at 1.9m
TP29	0 - 1.6	Silty SAND with boulders thin layer of grey clay ontop of bedrock
	0.7 - 1.0	Brown sand with stones , moist- sampled between 0.5 - 0.8mbgs
TP30	0 - 2.0	FILL(brick, wood, concrete, asphalt) black staining at 1.0m
TP31	0 - 0.8	FILL(silt, sand, boulders, brick)
	0.8 - 1.6	Silty CLAY black underneath asphalt layer
TP225	0.1-1.0	Brown, medium coarse with gravel and cobble, no odour, dry
	1.0-2.0	Dark brown, fine to medium coarse, compacted, moist, no odour
	2 - 2.85	Brown to grey clay with limestone shards
TP227	0-0.9	Brown, medium coarse, moist, no odour
	0.9-1.7	Brown, medium coarse, sticky with some clay, limestone shards, and gravel. Wet. No odour
TP229	0 - 1	Brown medium coarse, fill, railroad tie, damp, no odour
	1 - 2	Brown medium coarse, mixed fill, damp, no odour
	2 - 3.05	Brown, fine to medium coarse, moist
TP230	0 - 1.1	Light brown, medium coarse mixed fill, trace brick. Damp and no odour
	1.1 - 2.2	Grey/brown medium coarse with clay and cobbles, damp and no odour
	2.2 - 3.3	Grey clay with gravel and limestone shards, wet
TP231	0.2-1.2	Light brown, mottled, damp, no odour
	1.2-2.2	Brown medium course fill, trace brick, damp, no odour
	2.2-3.2	Grey clay with gravel
TP233	0 - 1.1	Brown medium to coarse, moist, no odour
	1.1 - 2.2	Grey and brown clay. Saturated at bottom. No odour
TP236	0.1-1.1	Medium brown with fill, some rotted wood, debris, dry, no odour
	1.1-2.1	Medium dark brown, with fill, dry, no odour
	2.1-3.3	Grey/brown clay, damp

APPENDIX C

Certificates of Analysis

The following laboratory reports have been received from AGAT Laboratories:

Phase Two ESA Analyses:

- AGAT Work Order #22P980724, Project #220509, dated December 23, 2022, presents the results of 20 soil samples collected on December 13, 2023.
- AGAT Work Order #22P983244, Project #220509, dated January 9, 2023, presents the results of 8 soil samples collected on December 13, 2023.
- AGAT Work Order #22P983391, Project #220509, dated January 16, 2023, presents the results of 17 soil samples collected on December 22, 2023.
- AGAT Work Order #22T982756, Project #220509, dated January 17, 2023, presents the results of 7 soil samples collected on December 19, 2023.
- AGAT Work Order #22T983450, Project #220509, dated January 17, 2023, presents the result of 1 soil sample collected on December 15, 2023.
- AGAT Work Order #22T000256, Project #220509, dated March 24, 2023, presents the results of 7 soil samples collected on December 19, 2023.
- AGAT Work Order #22P919873, Project #220509, dated July 20, 2022, presents the results of 9 groundwater samples collected on July 12, 2023.
- AGAT Work Order #2P920496, Project #220509, dated July 25, 2022, presents the results of 9 groundwater samples collected on July 13, 2022.
- AGAT Work Order #22P921159, Project #220509, dated July 25, 2022, presents the results of 7 groundwater samples collected on July 14, 2023.
- AGAT Work Order #23P990075, Project #220509, dated January 31, 2023, presents the results of 8 groundwater samples collected on January 19, 2023.
- AGAT Work Order #23P990590, Project #220509, dated February 2, 2023, presents the results of 8 groundwater samples collected on January 23, 2023.
- AGAT Work Order #23P990757, Project #220509, dated February 2, 2023, presents the results of 8 groundwater samples collected on January 23, 2023.
- AGAT Work Order #23P991368, Project #220509, dated February 17, 2023, presents the results of 10 groundwater samples collected on January 24, 2023.

AGAT Laboratories

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

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725
ATTENTION TO: Paul Bandler
PROJECT: 220509-00
AGAT WORK ORDER: 22P919873
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
WATER ANALYSIS REVIEWED BY: Nivine Basily, Inorganics Report Writer
DATE REPORTED: Jul 20, 2022
PAGES (INCLUDING COVER): 29
VERSION*: 1

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

*Notes

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.*
- *AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.*
- *This Certificate shall not be reproduced except in full, without the written approval of the laboratory.*
- *The test results reported herewith relate only to the samples as received by the laboratory.*
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- *All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.*

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

Certificate of Analysis

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

SAMPLE DESCRIPTION:				MW146	MW152	MW82	MW136	MW80	MW78	MW22	MW25
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2022-07-12 16:21	2022-07-12 16:28	2022-07-12 14:42	2022-07-12 15:10	2022-07-12 09:30	2022-07-12 10:36	2022-07-12 12:00	2022-07-12 11:21
Parameter	**Unit**	**G / S**	**RDL**	**4091810**	**4091836**	**4091837**	**4091838**	**4091839**	**4091840**	**4091841**	**4091842**
Naphthalene	µg/L	7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Fluorene	µg/L	290	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Phenanthrene	µg/L	380	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Anthracene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	44	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Pyrene	µg/L	5.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzo(a)anthracene	µg/L	1.8	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chrysene	µg/L	0.7	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.75	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.81	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	0.4	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
Phenol	µg/L	9600	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bis(2-chloroethyl)ether	µg/L	240000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorophenol	µg/L	2600	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
o-Cresol	µg/L		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroisopropyl)ether	µg/L	20000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m&p-Cresol	µg/L		0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
2,4-Dimethylphenol	µg/L	31000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dichlorophenol	µg/L	3700	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2,4-Trichlorobenzene	µg/L		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Chloroaniline	µg/L	320	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-and 1-methyl Naphthalene	µg/L	1500	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,6-Trichlorophenol	µg/L	180	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,5-Trichlorophenol	µg/L	1300	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Certified By: NPopowkoff

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

Certificate of Analysis

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

		SAMPLE DESCRIPTION:		MW146	MW152	MW82	MW136	MW80	MW78	MW22	MW25
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2022-07-12 16:21	2022-07-12 16:28	2022-07-12 14:42	2022-07-12 15:10	2022-07-12 09:30	2022-07-12 10:36	2022-07-12 12:00	2022-07-12 11:21
Parameter	**Unit**	**G / S**	**RDL**	**4091810**	**4091836**	**4091837**	**4091838**	**4091839**	**4091840**	**4091841**	**4091842**
1,1'-Biphenyl	µg/L	1000	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dimethyl phthalate	µg/L	30	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4 and 2,6-Dinitrotoluene	µg/L	2300	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Diethyl phthalate	µg/L	30	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Pentachlorophenol	µg/L	50	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3,3'-dichlorobenzidine	µg/L	500	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bis(2-Ethylhexyl)phthalate	µg/L	30	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4-Dinitrophenol	µg/L	9000	10	<10	<10	<10	<10	<10	<10	<10	<10
Sediment				TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
Surrogate	**Unit**	**Acceptable Limits**									
2-Fluorophenol	%	50-140		85	85	74	96	74	74	74	74
phenol-d6 surrogate	%	50-140		79	79	79	85	96	76	79	84
2,4,6-Tribromophenol	%	50-140		85	85	85	84	85	85	85	79
Chrysene-d12	%	50-140		84	84	84	67	84	98	84	84

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

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AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

		SAMPLE DESCRIPTION:		MW24
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2022-07-12 10:30
Parameter	Unit	G / S	RDL	4091843
Naphthalene	µg/L	7	0.20	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20
Acenaphthene	µg/L	17	0.20	<0.20
Fluorene	µg/L	290	0.20	<0.20
Phenanthrene	µg/L	380	0.10	<0.10
Anthracene	µg/L	1	0.10	<0.10
Fluoranthene	µg/L	44	0.20	<0.20
Pyrene	µg/L	5.7	0.20	<0.20
Benzo(a)anthracene	µg/L	1.8	0.20	<0.20
Chrysene	µg/L	0.7	0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.75	0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.4	0.10	<0.10
Benzo(a)pyrene	µg/L	0.81	0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.4	0.20	<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20	<0.20
Phenol	µg/L	9600	1.0	<1.0
Bis(2-chloroethyl)ether	µg/L	240000	0.5	<0.5
2-Chlorophenol	µg/L	2600	0.5	<0.5
o-Cresol	µg/L		0.5	<0.5
Bis(2-chloroisopropyl)ether	µg/L	20000	0.5	<0.5
m&p-Cresol	µg/L		0.6	<0.6
2,4-Dimethylphenol	µg/L	31000	0.5	<0.5
2,4-Dichlorophenol	µg/L	3700	0.3	<0.3
1,2,4-Trichlorobenzene	µg/L		0.5	<0.5
p-Chloroaniline	µg/L	320	1.0	<1.0
2-and 1-methyl Naphthalene	µg/L	1500	0.20	<0.20
2,4,6-Trichlorophenol	µg/L	180	0.20	<0.20
2,4,5-Trichlorophenol	µg/L	1300	0.20	<0.20

Certified By: N Popowkolof

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

Certificate of Analysis

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

		SAMPLE DESCRIPTION:		MW24
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2022-07-12 10:30
Parameter	**Unit**	**G / S**	**RDL**	**4091843**
1,1'-Biphenyl	µg/L	1000	0.50	<0.50
Dimethyl phthalate	µg/L	30	0.50	<0.50
2,4 and 2,6-Dinitrotoluene	µg/L	2300	0.50	<0.50
Diethyl phthalate	µg/L	30	0.50	<0.50
Pentachlorophenol	µg/L	50	0.50	<0.50
3,3'-dichlorobenzidine	µg/L	500	0.50	<0.50
Bis(2-Ethylhexyl)phthalate	µg/L	30	0.50	<0.50
2,4-Dinitrophenol	µg/L	9000	10	<10
Sediment				TRACE
Surrogate	**Unit**	**Acceptable Limits**		
2-Fluorophenol	%	50-140		74
phenol-d6 surrogate	%	50-140		69
2,4,6-Tribromophenol	%	50-140		85
Chrysene-d12	%	50-140		84

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4091810-4091843 To meet the MOE Reporting limits the sample extract was analysed using two separate GC/MS methods. The full scan BNA method is capable of detecting most of the compounds at the RDLs except for several PAHs. The PAHs were analysed using a SIM mode GC/MS method.
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.
Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.

Analysis performed at AGAT Toronto (unless marked by *)

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

		SAMPLE DESCRIPTION:		MW146	MW152	MW82	MW136	MW80	MW78	MW22	MW25
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2022-07-12 16:21	2022-07-12 16:28	2022-07-12 14:42	2022-07-12 15:10	2022-07-12 09:30	2022-07-12 10:36	2022-07-12 12:00	2022-07-12 11:21
Parameter	**Unit**	**G / S**	**RDL**	**4091810**	**4091836**	**4091837**	**4091838**	**4091839**	**4091840**	**4091841**	**4091842**
Polychlorinated Biphenyls	µg/L	0.2	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		97	101	81	76	77	104	74	88

		SAMPLE DESCRIPTION:		MW24
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2022-07-12 10:30
Parameter	**Unit**	**G / S**	**RDL**	**4091843**
Polychlorinated Biphenyls	µg/L	0.2	0.1	<0.1
Surrogate	**Unit**	**Acceptable Limits**		
Decachlorobiphenyl	%	60-140		89

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4091810-4091843 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 Popnikolof

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

				SAMPLE DESCRIPTION:	MW146	MW152	MW82	MW136	MW80	MW78	MW22	MW25
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2022-07-12 16:21	2022-07-12 16:28	2022-07-12 14:42	2022-07-12 15:10	2022-07-12 09:30	2022-07-12 10:36	2022-07-12 12:00	2022-07-12 11:21
Parameter	**Unit**	**G / S**	**RDL**		**4091810**	**4091836**	**4091837**	**4091838**	**4091839**	**4091840**	**4091841**	**4091842**
F1 (C6-C10)	µg/L		25		<25	<25	<25	<25	<25	<25	86	218
F1 (C6 to C10) minus BTEX	µg/L	420	25		<25	<25	<25	<25	<25	<25	56	128
F2 (C10 to C16)	µg/L	150	100		100	<100	<100	<100	<100	<100	<100	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		100	<100	<100	<100	<100	<100	<100	<100
F3 (C16 to C34)	µg/L	500	100		<100	<100	<100	<100	<100	<100	<100	<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100	<100	<100	<100	<100	<100	<100	<100
F4 (C34 to C50)	µg/L	500	100		<100	<100	<100	<100	<100	<100	<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA	NA	NA	NA	NA	NA	NA	NA
Sediment					NO	NO	NO	NO	NO	NO	NO	NO
Surrogate	**Unit**	**Acceptable Limits**										
Toluene-d8	%	50-140			106	99	104	105	100	101	108	99
Terphenyl	% Recovery	60-140			69	94	81	74	88	93	77	87

Certified By: NPopowkolof

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AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

				SAMPLE DESCRIPTION:	MW24
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2022-07-12 10:30
Parameter	**Unit**	**G / S**	**RDL**	**4091843**	
F1 (C6-C10)	µg/L		25	33	
F1 (C6 to C10) minus BTEX	µg/L	420	25	<25	
F2 (C10 to C16)	µg/L	150	100	<100	
F2 (C10 to C16) minus Naphthalene	µg/L		100	<100	
F3 (C16 to C34)	µg/L	500	100	<100	
F3 (C16 to C34) minus PAHs	µg/L		100	<100	
F4 (C34 to C50)	µg/L	500	100	<100	
Gravimetric Heavy Hydrocarbons	µg/L		500	NA	
Sediment				NO	
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	%	50-140		102	
Terphenyl	% Recovery	60-140		94	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4091810-4091843 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.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: NPopowkolof

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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Certificate of Analysis

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

SAMPLE DESCRIPTION:				MW146	MW152	MW82	MW136	MW80	MW78	MW22	MW25
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2022-07-12 16:21	2022-07-12 16:28	2022-07-12 14:42	2022-07-12 15:10	2022-07-12 09:30	2022-07-12 10:36	2022-07-12 12:00	2022-07-12 11:21
Parameter	**Unit**	**G / S**	**RDL**	**4091810**	**4091836**	**4091837**	**4091838**	**4091839**	**4091840**	**4091841**	**4091842**
Dichlorodifluoromethane	µg/L	3500	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	2000	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	100000	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	26	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	11	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	21000	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	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	23	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	0.2	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**24.8**	**71.3**
1,2-Dichloropropane	µg/L	0.58	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	67000	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	5200	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	320	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1.31	4.51
Dibromochloromethane	µg/L	65000	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	0.5	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	140	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	54	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.31	1.65

Certified By: NPopowkoff

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

Certificate of Analysis

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

		SAMPLE DESCRIPTION:		MW146	MW152	MW82	MW136	MW80	MW78	MW22	MW25
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2022-07-12 16:21	2022-07-12 16:28	2022-07-12 14:42	2022-07-12 15:10	2022-07-12 09:30	2022-07-12 10:36	2022-07-12 12:00	2022-07-12 11:21
Parameter	**Unit**	**G / S**	**RDL**	**4091810**	**4091836**	**4091837**	**4091838**	**4091839**	**4091840**	**4091841**	**4091842**
m & p-Xylene	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	3.08	10.8
Bromoform	µg/L	5	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	43	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	0.5	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.24	2.02
1,3-Dichlorobenzene	µg/L	7600	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	0.5	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	150	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	72	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	3.32	12.8
n-Hexane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**									
Toluene-d8	% Recovery	50-140		106	99	104	105	100	101	108	99
4-Bromofluorobenzene	% Recovery	50-140		80	78	82	82	79	77	80	86

Certified By: NPopowkoff

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

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AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

		SAMPLE DESCRIPTION:		MW24
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2022-07-12 10:30
Parameter	Unit	G / S	RDL	4091843
Dichlorodifluoromethane	µg/L	3500	0.40	<0.40
Vinyl Chloride	µg/L	0.5	0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20
Trichlorofluoromethane	µg/L	2000	0.40	<0.40
Acetone	µg/L	100000	1.0	<1.0
1,1-Dichloroethylene	µg/L	0.5	0.30	<0.30
Methylene Chloride	µg/L	26	0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20
1,1-Dichloroethane	µg/L	11	0.30	<0.30
Methyl Ethyl Ketone	µg/L	21000	1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	0.20	<0.20
Chloroform	µg/L	2	0.20	<0.20
1,2-Dichloroethane	µg/L	0.5	0.20	<0.20
1,1,1-Trichloroethane	µg/L	23	0.30	<0.30
Carbon Tetrachloride	µg/L	0.2	0.20	<0.20
Benzene	µg/L	0.5	0.20	**4.34**
1,2-Dichloropropane	µg/L	0.58	0.20	<0.20
Trichloroethylene	µg/L	0.5	0.20	<0.20
Bromodichloromethane	µg/L	67000	0.20	<0.20
Methyl Isobutyl Ketone	µg/L	5200	1.0	<1.0
1,1,2-Trichloroethane	µg/L	0.5	0.20	<0.20
Toluene	µg/L	320	0.20	0.52
Dibromochloromethane	µg/L	65000	0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10
Tetrachloroethylene	µg/L	0.5	0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10
Chlorobenzene	µg/L	140	0.10	0.99
Ethylbenzene	µg/L	54	0.10	0.39

Certified By: N Popowkolof

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

Certificate of Analysis

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

				SAMPLE DESCRIPTION:	MW24
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2022-07-12 10:30
Parameter	**Unit**	**G / S**	**RDL**		**4091843**
m & p-Xylene	µg/L		0.20		3.70
Bromoform	µg/L	5	0.10		<0.10
Styrene	µg/L	43	0.10		<0.10
1,1,2,2-Tetrachloroethane	µg/L	0.5	0.10		<0.10
o-Xylene	µg/L		0.10		1.20
1,3-Dichlorobenzene	µg/L	7600	0.10		<0.10
1,4-Dichlorobenzene	µg/L	0.5	0.10		<0.10
1,2-Dichlorobenzene	µg/L	150	0.10		<0.10
1,3-Dichloropropene	µg/L	0.5	0.30		<0.30
Xylenes (Total)	µg/L	72	0.20		4.90
n-Hexane	µg/L	5	0.20		<0.20
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	% Recovery	50-140			102
4-Bromofluorobenzene	% Recovery	50-140			90

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4091810-4091843 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: NPopowkoff

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CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

		SAMPLE DESCRIPTION:		MW146	MW152	MW82	MW136	MW80	MW78	MW22
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2022-07-12 16:21	2022-07-12 16:28	2022-07-12 14:42	2022-07-12 15:10	2022-07-12 09:30	2022-07-12 10:36	2022-07-12 12:00
Parameter	Unit	G / S	RDL	4091810	4091836	4091837	4091838	4091839	4091840	4091841
Dissolved Antimony	µg/L	16000	1.0	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	<1.0
Dissolved Arsenic	µg/L	1500	1.0	2.2	<1.0	3.5	<1.0	<1.0	<1.0	1.5
Dissolved Barium	µg/L	23000	2.0	107	107	208	159	72.8	108	92.6
Dissolved Beryllium	µg/L	53	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	36000	10.0	79.5	60.6	81.2	61.5	772	113	319
Dissolved Cadmium	µg/L	2.1	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	640	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5.3
Dissolved Cobalt	µg/L	52	0.50	<0.50	<0.50	<0.50	0.55	1.08	<0.50	<0.50
Dissolved Copper	µg/L	69	1.0	2.7	1.9	<1.0	<1.0	2.7	<1.0	<1.0
Dissolved Lead	µg/L	20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	7300	0.50	1.23	0.72	1.23	4.89	20.0	<0.50	50.5
Dissolved Nickel	µg/L	390	1.0	1.3	2.1	<1.0	1.4	2.4	<1.0	2.4
Dissolved Selenium	µg/L	50	1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Silver	µg/L	1.2	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	400	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	330	0.50	<0.50	0.74	<0.50	0.64	<0.50	<0.50	<0.50
Dissolved Vanadium	µg/L	200	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	0.43	0.43
Dissolved Zinc	µg/L	890	5.0	<5.0	<5.0	<5.0	<5.0	6.7	<5.0	<5.0
Mercury	µg/L	0.1	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium VI	µg/L	110	2	<2	<2	<2	<2	<2	<2	<2
Cyanide, WAD	µg/L	52	2	<2	<2	<2	<2	<2	<2	<2
Dissolved Sodium	µg/L	1800000	500	210000	328000	150000	67700	41900	51900	84900
Chloride	µg/L	1800000	100	400000	581000	362000	116000	48400	30000	275000
Electrical Conductivity	uS/cm	NA	2	1870	2230	1830	1380	961	1120	1710
pH	pH Units		NA	7.51	7.61	7.32	7.38	7.53	7.43	7.55

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

Certificate of Analysis

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

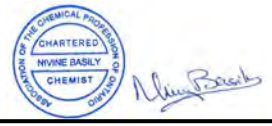
O. Reg. 153(511) - Metals & Inorganics (Water)

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

		SAMPLE DESCRIPTION:		MW25		MW24
		SAMPLE TYPE:		Water		Water
		DATE SAMPLED:		2022-07-12 11:21		2022-07-12 10:30
Parameter	Unit	G / S	RDL	4091842	RDL	4091843
Dissolved Antimony	µg/L	16000	1.0	<1.0	1.0	<1.0
Dissolved Arsenic	µg/L	1500	1.0	1.1	1.0	1.1
Dissolved Barium	µg/L	23000	2.0	307	2.0	627
Dissolved Beryllium	µg/L	53	0.50	<0.50	0.50	<0.50
Dissolved Boron	µg/L	36000	10.0	1860	10.0	2950
Dissolved Cadmium	µg/L	2.1	0.20	<0.20	0.20	<0.20
Dissolved Chromium	µg/L	640	2.0	2.0	2.0	<2.0
Dissolved Cobalt	µg/L	52	0.50	<0.50	0.50	<0.50
Dissolved Copper	µg/L	69	1.0	1.2	1.0	<1.0
Dissolved Lead	µg/L	20	0.50	<0.50	0.50	<0.50
Dissolved Molybdenum	µg/L	7300	0.50	6.45	0.50	1.33
Dissolved Nickel	µg/L	390	1.0	1.1	1.0	<1.0
Dissolved Selenium	µg/L	50	1.0	2.2	1.0	4.5
Dissolved Silver	µg/L	1.2	0.20	<0.20	0.20	<0.20
Dissolved Thallium	µg/L	400	0.30	<0.30	0.30	<0.30
Dissolved Uranium	µg/L	330	0.50	<0.50	0.50	<0.50
Dissolved Vanadium	µg/L	200	0.40	1.13	0.40	0.69
Dissolved Zinc	µg/L	890	5.0	<5.0	5.0	<5.0
Mercury	µg/L	0.1	0.02	<0.02	0.02	<0.02
Chromium VI	µg/L	110	2	<2	2	<2
Cyanide, WAD	µg/L	52	2	<2	2	<2
Dissolved Sodium	µg/L	1800000	2500	1420000	10000	**3360000**
Chloride	µg/L	1800000	122	1210000	100	659000
Electrical Conductivity	uS/cm	NA	2	4160	2	2640
pH	pH Units		NA	7.90	NA	7.54

Certified By:



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

Certificate of Analysis

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-13

DATE REPORTED: 2022-07-20

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4091810-4091843 Metals analysis completed on a filtered sample.

Dilution required, RDL has been increased accordingly.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Exceedance Summary

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4091841	MW22	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Benzene	µg/L	0.5	24.8
4091841	MW22	ON T7 NPGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Benzene	µg/L	0.5	24.8
4091842	MW25	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Benzene	µg/L	0.5	71.3
4091842	MW25	ON T7 NPGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Benzene	µg/L	0.5	71.3
4091843	MW24	ON T7 NPGW CT	O. Reg. 153(511) - Metals & Inorganics (Water)	Dissolved Sodium	µg/L	1800000	3360000
4091843	MW24	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Benzene	µg/L	0.5	4.34
4091843	MW24	ON T7 NPGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Benzene	µg/L	0.5	4.34

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P919873
PROJECT: 220509-00
ATTENTION TO: Paul Bandler
SAMPLING SITE:
SAMPLED BY:

Trace Organics Analysis

RPT Date: Jul 20, 2022

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	DUPLICATE Dup #2	DUPLICATE RPD	Method Blank	REFERENCE MATERIAL Measured Value	REFERENCE MATERIAL Acceptable Limits Lower	REFERENCE MATERIAL Acceptable Limits Upper	METHOD BLANK SPIKE Recovery	METHOD BLANK SPIKE Acceptable Limits Lower	METHOD BLANK SPIKE Acceptable Limits Upper	MATRIX SPIKE Recovery	MATRIX SPIKE Acceptable Limits Lower	MATRIX SPIKE Acceptable Limits Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)															
F1 (C6-C10)	4092747		<25	<25	NA	< 25	66%	60%	140%	116%	60%	140%	92%	60%	140%
F2 (C10 to C16)	4091841	4091841	< 100	< 100	NA	< 100	113%	60%	140%	64%	60%	140%	61%	60%	140%
F3 (C16 to C34)	4091841	4091841	< 100	< 100	NA	< 100	108%	60%	140%	73%	60%	140%	70%	60%	140%
F4 (C34 to C50)	4091841	4091841	< 100	< 100	NA	< 100	85%	60%	140%	89%	60%	140%	81%	60%	140%
O. Reg. 153(511) - BNA (full) + PAHs (Water)															
Naphthalene	4075790		< 0.20	< 0.20	NA	< 0.20	74%	50%	140%	74%	50%	140%	96%	50%	140%
Acenaphthylene	4075790		< 0.20	< 0.20	NA	< 0.20	69%	50%	140%	85%	50%	140%	85%	50%	140%
Acenaphthene	4075790		< 0.20	< 0.20	NA	< 0.20	85%	50%	140%	79%	50%	140%	84%	50%	140%
Fluorene	4075790		< 0.20	< 0.20	NA	< 0.20	84%	50%	140%	83%	50%	140%	79%	50%	140%
Phenanthrene	4075790		< 0.10	< 0.10	NA	< 0.10	79%	50%	140%	82%	50%	140%	82%	50%	140%
Anthracene	4075790		< 0.10	< 0.10	NA	< 0.10	85%	50%	140%	84%	50%	140%	85%	50%	140%
Fluoranthene	4075790		< 0.20	< 0.20	NA	< 0.20	86%	50%	140%	79%	50%	140%	84%	50%	140%
Pyrene	4075790		< 0.20	< 0.20	NA	< 0.20	82%	50%	140%	85%	50%	140%	79%	50%	140%
Benzo(a)anthracene	4075790		< 0.20	< 0.20	NA	< 0.20	84%	50%	140%	82%	50%	140%	85%	50%	140%
Chrysene	4075790		< 0.10	< 0.10	NA	< 0.10	79%	50%	140%	85%	50%	140%	79%	50%	140%
Benzo(b)fluoranthene	4075790		< 0.10	< 0.10	NA	< 0.10	85%	50%	140%	84%	50%	140%	86%	50%	140%
Benzo(k)fluoranthene	4075790		< 0.10	< 0.10	NA	< 0.10	89%	50%	140%	79%	50%	140%	85%	50%	140%
Benzo(a)pyrene	4075790		< 0.01	< 0.01	NA	< 0.01	85%	50%	140%	85%	50%	140%	81%	50%	140%
Indeno(1,2,3-cd)pyrene	4075790		< 0.20	< 0.20	NA	< 0.20	85%	50%	140%	89%	50%	140%	79%	50%	140%
Dibenz(a,h)anthracene	4075790		< 0.20	< 0.20	NA	< 0.20	84%	50%	140%	86%	50%	140%	85%	50%	140%
Benzo(g,h,i)perylene	4075790		< 0.20	< 0.20	NA	< 0.20	79%	50%	140%	105%	50%	140%	81%	50%	140%
Phenol	4075790		< 1.0	< 1.0	NA	< 1.0	86%	30%	130%	79%	30%	130%	75%	30%	130%
Bis(2-chloroethyl)ether	4075790		< 0.5	< 0.5	NA	< 0.5	85%	50%	140%	85%	50%	140%	89%	50%	140%
2-Chlorophenol	4075790		< 0.5	< 0.5	NA	< 0.5	82%	50%	140%	84%	50%	140%	86%	50%	140%
o-Cresol	4075790		< 0.5	< 0.5	NA	< 0.5	84%	50%	140%	77%	50%	140%	82%	50%	140%
Bis(2-chloroisopropyl)ether	4075790		< 0.5	< 0.5	NA	< 0.5	79%	50%	140%	69%	50%	140%	85%	50%	140%
m&p-Cresol	4075790		< 0.6	< 0.6	NA	< 0.6	86%	50%	140%	82%	50%	140%	84%	50%	140%
2,4-Dimethylphenol	4075790		< 0.5	< 0.5	NA	< 0.5	85%	30%	130%	84%	30%	130%	79%	30%	130%
2,4-Dichlorophenol	4075790		< 0.3	< 0.3	NA	< 0.3	84%	50%	140%	78%	50%	140%	86%	50%	140%
1,2,4-Trichlorobenzene	4075790		< 0.5	< 0.5	NA	< 0.5	79%	50%	140%	85%	50%	140%	85%	50%	140%
p-Chloroaniline	4075790		< 1.0	< 1.0	NA	< 1.0	86%	30%	130%	84%	30%	130%	84%	30%	130%
2,4,6-Trichlorophenol	4075790		< 0.20	< 0.20	NA	< 0.20	79%	50%	140%	79%	50%	140%	105%	50%	140%
2,4,5-Trichlorophenol	4075790		< 0.20	< 0.20	NA	< 0.20	85%	50%	140%	85%	50%	140%	79%	50%	140%
1,1'-Biphenyl	4075790		< 0.50	< 0.50	NA	< 0.50	79%	50%	140%	84%	50%	140%	85%	50%	140%
Dimethyl phthalate	4075790		< 0.50	< 0.50	NA	< 0.50	86%	50%	140%	79%	50%	140%	69%	50%	140%
Diethyl phthalate	4075790		< 0.50	< 0.50	NA	< 0.50	79%	50%	140%	79%	50%	140%	85%	50%	140%
Pentachlorophenol	4075790		< 0.50	< 0.50	NA	< 0.50	86%	50%	140%	85%	50%	140%	89%	50%	140%
3,3'-dichlorobenzidine	4075790		< 0.50	< 0.50	NA	< 0.50	85%	30%	130%	89%	30%	130%	86%	30%	130%
Bis(2-Ethylhexyl)phthalate	4075790		< 0.50	< 0.50	NA	< 0.50	85%	50%	140%	88%	50%	140%	82%	50%	140%

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Jul 20, 2022			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
2,4-Dinitrophenol	4075790		< 10	< 10	NA	< 10	84%	30%	130%	89%	30%	130%	84%	30%	130%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	4092747		<0.40	<0.40	NA	< 0.40	77%	50%	140%	80%	50%	140%	84%	50%	140%
Vinyl Chloride	4092747		<0.17	<0.17	NA	< 0.17	102%	50%	140%	94%	50%	140%	108%	50%	140%
Bromomethane	4092747		<0.20	<0.20	NA	< 0.20	95%	50%	140%	75%	50%	140%	97%	50%	140%
Trichlorofluoromethane	4092747		<0.40	<0.40	NA	< 0.40	108%	50%	140%	102%	50%	140%	113%	50%	140%
Acetone	4092747		<1.0	<1.0	NA	< 1.0	101%	50%	140%	106%	50%	140%	86%	50%	140%
1,1-Dichloroethylene	4092747		<0.30	<0.30	NA	< 0.30	75%	50%	140%	88%	60%	130%	71%	50%	140%
Methylene Chloride	4092747		<0.30	<0.30	NA	< 0.30	108%	50%	140%	92%	60%	130%	117%	50%	140%
trans- 1,2-Dichloroethylene	4092747		<0.20	<0.20	NA	< 0.20	76%	50%	140%	91%	60%	130%	84%	50%	140%
Methyl tert-butyl ether	4092747		<0.20	<0.20	NA	< 0.20	81%	50%	140%	118%	60%	130%	99%	50%	140%
1,1-Dichloroethane	4092747		<0.30	<0.30	NA	< 0.30	76%	50%	140%	96%	60%	130%	84%	50%	140%
Methyl Ethyl Ketone	4092747		<1.0	<1.0	NA	< 1.0	86%	50%	140%	109%	50%	140%	88%	50%	140%
cis- 1,2-Dichloroethylene	4092747		<0.20	<0.20	NA	< 0.20	78%	50%	140%	95%	60%	130%	76%	50%	140%
Chloroform	4092747		<0.20	<0.20	NA	< 0.20	75%	50%	140%	95%	60%	130%	75%	50%	140%
1,2-Dichloroethane	4092747		<0.20	<0.20	NA	< 0.20	86%	50%	140%	105%	60%	130%	102%	50%	140%
1,1,1-Trichloroethane	4092747		<0.30	<0.30	NA	< 0.30	78%	50%	140%	84%	60%	130%	97%	50%	140%
Carbon Tetrachloride	4092747		<0.20	<0.20	NA	< 0.20	77%	50%	140%	86%	60%	130%	88%	50%	140%
Benzene	4092747		<0.20	<0.20	NA	< 0.20	72%	50%	140%	93%	60%	130%	72%	50%	140%
1,2-Dichloropropane	4092747		<0.20	<0.20	NA	< 0.20	83%	50%	140%	95%	60%	130%	78%	50%	140%
Trichloroethylene	4092747		<0.20	<0.20	NA	< 0.20	73%	50%	140%	94%	60%	130%	76%	50%	140%
Bromodichloromethane	4092747		<0.20	<0.20	NA	< 0.20	78%	50%	140%	99%	60%	130%	86%	50%	140%
Methyl Isobutyl Ketone	4092747		<1.0	<1.0	NA	< 1.0	100%	50%	140%	108%	50%	140%	101%	50%	140%
1,1,2-Trichloroethane	4092747		<0.20	<0.20	NA	< 0.20	103%	50%	140%	117%	60%	130%	107%	50%	140%
Toluene	4092747		<0.20	<0.20	NA	< 0.20	77%	50%	140%	92%	60%	130%	79%	50%	140%
Dibromochloromethane	4092747		<0.10	<0.10	NA	< 0.10	94%	50%	140%	112%	60%	130%	119%	50%	140%
Ethylene Dibromide	4092747		<0.10	<0.10	NA	< 0.10	93%	50%	140%	112%	60%	130%	117%	50%	140%
Tetrachloroethylene	4092747		<0.20	<0.20	NA	< 0.20	73%	50%	140%	89%	60%	130%	74%	50%	140%
1,1,1,2-Tetrachloroethane	4092747		<0.10	<0.10	NA	< 0.10	76%	50%	140%	88%	60%	130%	71%	50%	140%
Chlorobenzene	4092747		<0.10	<0.10	NA	< 0.10	77%	50%	140%	95%	60%	130%	87%	50%	140%
Ethylbenzene	4092747		<0.10	<0.10	NA	< 0.10	90%	50%	140%	82%	60%	130%	73%	50%	140%
m & p-Xylene	4092747		<0.20	<0.20	NA	< 0.20	92%	50%	140%	88%	60%	130%	114%	50%	140%
Bromoform	4092747		<0.10	<0.10	NA	< 0.10	98%	50%	140%	111%	60%	130%	117%	50%	140%
Styrene	4092747		<0.10	<0.10	NA	< 0.10	79%	50%	140%	80%	60%	130%	89%	50%	140%
1,1,2,2-Tetrachloroethane	4092747		<0.10	<0.10	NA	< 0.10	116%	50%	140%	104%	60%	130%	108%	50%	140%
o-Xylene	4092747		<0.10	<0.10	NA	< 0.10	75%	50%	140%	90%	60%	130%	81%	50%	140%
1,3-Dichlorobenzene	4092747		<0.10	<0.10	NA	< 0.10	81%	50%	140%	93%	60%	130%	95%	50%	140%
1,4-Dichlorobenzene	4092747		<0.10	<0.10	NA	< 0.10	80%	50%	140%	92%	60%	130%	94%	50%	140%
1,2-Dichlorobenzene	4092747		<0.10	<0.10	NA	< 0.10	80%	50%	140%	91%	60%	130%	98%	50%	140%

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Jul 20, 2022			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
n-Hexane	4092747		<0.20	<0.20	NA	< 0.20	107%	50%	140%	110%	60%	130%	115%	50%	140%
O. Reg. 153(511) - PCBs (Water)															
Polychlorinated Biphenyls	4087706		< 0.1	< 0.1	NA	< 0.1	104%	50%	140%	87%	50%	140%	97%	50%	140%

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

Certified By:

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MISSISSAUGA, ONTARIO
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PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Water Analysis

RPT Date: Jul 20, 2022			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Water)															
Dissolved Antimony	4070053		<1.0	<1.0	NA	< 1.0	107%	70%	130%	104%	80%	120%	102%	70%	130%
Dissolved Arsenic	4070053		3.6	2.1	NA	< 1.0	89%	70%	130%	92%	80%	120%	93%	70%	130%
Dissolved Barium	4070053		699	687	1.7%	< 2.0	99%	70%	130%	100%	80%	120%	97%	70%	130%
Dissolved Beryllium	4070053		<0.50	<0.50	NA	< 0.50	102%	70%	130%	107%	80%	120%	107%	70%	130%
Dissolved Boron	4070053		357	365	2.2%	< 10.0	101%	70%	130%	102%	80%	120%	98%	70%	130%
Dissolved Cadmium	4070053		<0.20	<0.20	NA	< 0.20	104%	70%	130%	103%	80%	120%	100%	70%	130%
Dissolved Chromium	4070053		<2.0	<2.0	NA	< 2.0	101%	70%	130%	104%	80%	120%	101%	70%	130%
Dissolved Cobalt	4070053		0.68	0.82	NA	< 0.50	99%	70%	130%	101%	80%	120%	99%	70%	130%
Dissolved Copper	4070053		<1.0	<1.0	NA	< 1.0	101%	70%	130%	100%	80%	120%	95%	70%	130%
Dissolved Lead	4070053		<0.50	<0.50	NA	< 0.50	96%	70%	130%	96%	80%	120%	87%	70%	130%
Dissolved Molybdenum	4070053		<0.50	<0.50	NA	< 0.50	103%	70%	130%	104%	80%	120%	106%	70%	130%
Dissolved Nickel	4070053		1.7	2.1	NA	< 1.0	100%	70%	130%	101%	80%	120%	98%	70%	130%
Dissolved Selenium	4070053		2.2	3.0	NA	< 1.0	98%	70%	130%	93%	80%	120%	99%	70%	130%
Dissolved Silver	4070053		<0.20	<0.20	NA	< 0.20	103%	70%	130%	108%	80%	120%	94%	70%	130%
Dissolved Thallium	4070053		<0.30	<0.30	NA	< 0.30	100%	70%	130%	101%	80%	120%	99%	70%	130%
Dissolved Uranium	4070053		<0.50	<0.50	NA	< 0.50	97%	70%	130%	100%	80%	120%	99%	70%	130%
Dissolved Vanadium	4070053		0.49	0.44	NA	< 0.40	100%	70%	130%	105%	80%	120%	103%	70%	130%
Dissolved Zinc	4070053		<5.0	<5.0	NA	< 5.0	100%	70%	130%	102%	80%	120%	103%	70%	130%
Mercury	4079901		<0.02	<0.02	NA	< 0.02	100%	70%	130%	99%	80%	120%	101%	70%	130%
Chromium VI	4091810	4091810	<2	<2	NA	< 2	101%	70%	130%	99%	80%	120%	108%	70%	130%
Cyanide, WAD	4075638		<2	<2	NA	< 2	93%	70%	130%	104%	80%	120%	97%	70%	130%
Dissolved Sodium	4070053		28600	29800	4.1%	< 50	106%	70%	130%	110%	80%	120%	103%	70%	130%
Chloride	4092212		9030	8980	0.6%	< 100	101%	70%	130%	107%	80%	120%	106%	70%	130%
Electrical Conductivity	4093967		303	304	0.3%	< 2	98%	90%	110%						
pH	4093967		7.59	7.72	1.7%	NA	101%	90%	110%						

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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluorene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenanthrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(b)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(k)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dibenz(a,h)anthracene	ORG-91-5114	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroethyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Chlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
o-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroisopropyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
m&p-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dimethylphenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,2,4-Trichlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
p-Chloroaniline	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-and 1-methyl Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION

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: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
2,4,6-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,5-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,1'-Biphenyl	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dimethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4 and 2,6-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
Diethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pentachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
3,3'-dichlorobenzidine	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-Ethylhexyl)phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Fluorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
phenol-d6 surrogate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Tribromophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene-d12	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Sediment			
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-C10)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
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

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P919873

PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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: BLUMETRIC ENVIRONMENTAL INC. **AGAT WORK ORDER: 22P919873**

PROJECT: 220509-00 **ATTENTION TO: Paul Bandler**

SAMPLING SITE: **SAMPLED BY:**

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Mercury	MET-93-6100	modified from EPA 245.2 and SM 3112 B	CVAAS
Chromium VI	INOR-93-6073	modified from SM 3500-CR B	LACHAT FIA
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015, SM 4500-CN- I, G-387	TECHNICON AUTO ANALYZER
Dissolved Sodium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP/MS
Chloride	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Electrical Conductivity	INOR-93-6000	SM 2510 B	PC TITRATE
pH	INOR-93-6000	modified from SM 4500-H+ B	PC TITRATE

AGAT Laboratories
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: BluMetric Environmental
Contact:
Address: 4 Cataraqui St, Kingston, ON
Phone: Fax:
Reports to be sent to:
1. Email: sanderson@blumetric.ca
2. Email: pbandler@blumetric.ca

Project Information:

Project: 220509-00
Site Location:
Sampled By:
AGAT Quote #: BluMetric 2022 SO 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: ap@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

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

☐ Excess Soils R406
Table _____ *Indicate One*
☐ Regulation 558
☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
_____ *Region*
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
_____ *Indicate One*

Is this submission for a **Record of Site Condition**? ☐ Yes ☐ No

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

Laboratory Use Only

Work Order #: 22091987 3
Cooler Quantity: 4. large
Arrival Temperatures: 12.1 | 11.3 | 11.7
1-7 → See lettached
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: ice bags present in fridge

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals (Hg, CrVI), DOC Y/N	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: VOC	O. Reg 153: Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	BNAEs	Cholophenols					Potentially Hazardous or High Concentration (Y/N)
MW146	July 12/22	16:21 AM PM	3	GW		Y	☑		☑	☑	☑	☑						☑	☑					
~~MW148~~		AM PM	~~3~~	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW149~~		AM PM	~~3~~	GW			☑		☑	☑	☑	☑						☑	☑					
MW152	July 12/22	16:25 AM PM	3	GW		Y	☑		☑	☑	☑	☑						☑	☑					
MW82	July 12/22	14:42 AM PM	3	GW		Y	☑		☑	☑	☑	☑						☑	☑					
MW136	July 12/22	15:10 AM PM	3	GW		Y	☑		☑	☑	☑	☑						☑	☑					
~~MW138~~		AM PM	~~3~~	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW157~~		AM PM	~~3~~	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW26~~		AM PM	~~3~~	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW81~~		AM PM	~~3~~	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW121~~		AM PM	~~3~~	GW			☑		☑	☑	☑	☑						☑	☑					

	Date	Time		Date	Time
Samples Relinquished By (Print Name and Sign):		6:30pm	Samples Received By (Print Name and Sign): Kayla Jones	July 13/22	8am
Samples Relinquished By (Print Name and Sign):	July 13/22	1:00	Samples Received By (Print Name and Date): Anthony Desilva		
Samples Relinquished By (Print Name and Sign):			Samples Received By (Print Name and Sign):		

Page 1 of 3
N°:

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

Chain of Custody Record

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

Laboratory Use Only
Work Order #: 22P919873
Cooler Quantity: 4
Arrival Temperatures:
Custody Seal Intact: ☐Yes ☐No ☐N/A
Notes:

Report Information:
Company: BluMetric Environmental
Contact:
Address: 4 Cataraqui St, Kingston, ON
Phone: Fax:
Reports to be sent to:
1. Email: sanderson@blumetric.ca
2. Email: pbandler@blumetric.ca

Regulatory Requirements:
(Please check all applicable boxes)
☐ Regulation 153/04 — Table ___ (Indicate One) ☐Ind/Com ☐Res/Park ☐Agriculture — Soil Texture (Check One) ☐Coarse ☐Fine
☐ Excess Soils R406 — Table ___ (Indicate One) ☐ Regulation 558 ☐ CCME
☐ Sewer Use ☐Sanitary ☐Storm — ___ (Region) ☐ Prov. Water Quality Objectives (PWQO) ☐ Other ___ (Indicate One)

Is this submission for a **Record of Site Condition?** ☐ Yes ☐ No

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

Turnaround Time (TAT) Required:
Regular TAT ☒ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply): ___
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CPM

Project Information:
Project: 220509-00
Site Location:
Sampled By:
AGAT Quote #: BluMetric 2022 SO 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: ap@blumetric.ca

Sample Matrix Legend
B Biota
GW Ground Water
O Oil
P Paint
S Soil
SD Sediment
SW Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC Y/N	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐CrVI, ☐Hg, ☐HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: VOC	O. Reg 153: Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐M&I ☐VOCs ☐ABNs ☐B(a)P ☐PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐Metals ☐VOCs ☐SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	BNAEs	Cholophenols					Potentially Hazardous or High Concentration (Y/N)
~~MW130~~		AM PM	~~2~~ 2	GW			☑		☑	☑	☑	☑					☑	☑						
~~MW50~~		AM PM	~~2~~ 2	GW			☑		☑	☑	☑	☑					☑	☑						
~~MW84~~		AM PM	~~2~~ 2	GW			☑		☑	☑	☑	☑					☑	☑						
~~MW128~~		AM PM	~~2~~ 2	GW			☑		☑	☑	☑	☑					☑	☑						
~~MW151~~		AM PM	~~2~~ 2	GW			☑		☑	☑	☑	☑					☑	☑						
~~MW22~~		AM PM	~~2~~ 2	GW			☑		☑	☑	☑	☑					☑	☑						
~~MW25~~		AM PM	~~2~~ 2	GW			☑		☑	☑	☑	☑					☑	☑						
~~MW24~~		AM PM	~~2~~ 2	GW			☑		☑	☑	☑	☑					☑	☑						
MW80	July 12/22	9:30 AM PM	~~2~~ 2	GW		Y	☑		☑	☑	☑	☑					☑	☑						
~~MW136~~		AM PM	~~2~~ 2	GW			☑		☑	☑	☑	☑					☑	☑						
MW78	July 12/22	10:36 AM PM	~~2~~ 2	GW		Y	☑		☑	☑	☑	☑					☑	☑						

Samples Relinquished By (Print Name and Sign)	Date	Time 6:30pm	Samples Received By (Print Name and Sign) Karly Jones	Date July 13/22	Time 8am
Samples Relinquished By (Print Name and Sign)	Date July 13/22	Time 16:00	Samples Received By (Print Name and Sign)	Date	Time
Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time

Page 2 of 3
N°

AGAT Laboratories
5835 Coopers Avenue
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Chain of Custody Record

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

Report Information:

Company: BluMetric Environmental
Contact:
Address: 4 Cataraqui St, Kingston, ON
Phone: Fax:
Reports to be sent to:
1. Email: sanderson@blumetric.ca
2. Email: pbandler@blumetric.ca

Project Information:

Project: 220509-00
Site Location:
Sampled By:
AGAT Quote #: BluMetric 2022 SO 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: ap@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

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

☐ Excess Soils R406
Table _____ *Indicate One*
☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
_____ *Region*
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
_____ *Indicate One*

Is this submission for a **Record of Site Condition?** ☐ Yes ☐ No

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

Laboratory Use Only

Work Order #: 22P919873
Cooler Quantity: 4
Arrival 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 CPM

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, HgCrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	PAHs	PCBs	VOC	Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	BNAEs	Cholophenols					Potentially Hazardous or High Concentration (Y/N)
MW130		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW50		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW84		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW128		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW151		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW22	July 12/22	12:00 AM PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
MW25	↓	11:21 AM PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
MW24	↓	10:30 AM PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
MW80		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW156		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW78		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					

	Date	Time		Date	Time
Samples Relinquished By (Print Name and Sign):		1630pm	Samples Received By (Print Name and Sign): Kamy Jones	July 13/22	9am
Samples Relinquished By (Print Name and Sign):	July 13/22	1600	Samples Received By (Print Name and Sign):		
Samples Relinquished By (Print Name and Sign):			Samples Received By (Print Name and Sign):		

Page 3 of 3
N°:

AGAT Laboratories

Sample Temperature Log

Client: BLUMETRIC

COC# or Work Order#:

# of Coolers: 4

# of Submissions:

Arrival Temperatures - Branch/Driver

Cooler #1:	1.6	2.3	3.3
Cooler #2:	6.9	7.6	7.7
Cooler #3:	5.8	6.3	7.3
Cooler #4:	2.6	3.6	3.7
Cooler #5:			
Cooler #6:			
Cooler #7:			
Cooler #8			
Cooler #9:			
Cooler #10:			

IR Gun ID:

Taken By:

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

Arrival Temperatures - Laboratory

Cooler #1:			
Cooler #2:			
Cooler #3:			
Cooler #4:			
Cooler #5:			
Cooler #6:			
Cooler #7:			
Cooler #8			
Cooler #9:			
Cooler #10:			

IR Gun ID:

Taken By:

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

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

AGAT Laboratories

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

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725

ATTENTION TO: Paul Bandler

PROJECT: 220509-00

AGAT WORK ORDER: 22P920496

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

WATER ANALYSIS REVIEWED BY: Amanjot Bhela, Inorganic Lab Manager

DATE REPORTED: Jul 25, 2022

PAGES (INCLUDING COVER): 30

VERSION*: 1

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

*Notes

Disclaimer:

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

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

SAMPLE DESCRIPTION:				MW148	MW149	MW157	MW130	MW50	MW84	MW151	MW156
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2022-07-13 11:33	2022-07-13 12:41	2022-07-13 10:41	2022-07-13 14:44	2022-07-13 11:54	2022-07-13 10:44	2022-07-13 15:51	2022-07-13 09:45
Parameter	Unit	G / S	RDL	4097326	4097329	4097341	4097342	4097343	4097344	4097345	4097346
Naphthalene	µg/L	7	0.20	117	2.97	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Fluorene	µg/L	290	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Phenanthrene	µg/L	380	0.10	0.31	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Anthracene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	44	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Pyrene	µg/L	5.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzo(a)anthracene	µg/L	1.8	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chrysene	µg/L	0.7	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.75	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.81	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	0.4	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
Phenol	µg/L	9600	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bis(2-chloroethyl)ether	µg/L	240000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorophenol	µg/L	2600	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
o-Cresol	µg/L		0.5	32.1	31.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroisopropyl)ether	µg/L	20000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m&p-Cresol	µg/L		0.6	8.0	8.4	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
2,4-Dimethylphenol	µg/L	31000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dichlorophenol	µg/L	3700	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2,4-Trichlorobenzene	µg/L		0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Chloroaniline	µg/L	320	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-and 1-methyl Naphthalene	µg/L	1500	0.20	0.99	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,6-Trichlorophenol	µg/L	180	0.20	0.99	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,5-Trichlorophenol	µg/L	1300	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Certified By: NPopowkolof

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

Certificate of Analysis

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

				SAMPLE DESCRIPTION:	MW148	MW149	MW157	MW130	MW50	MW84	MW151	MW156
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2022-07-13 11:33	2022-07-13 12:41	2022-07-13 10:41	2022-07-13 14:44	2022-07-13 11:54	2022-07-13 10:44	2022-07-13 15:51	2022-07-13 09:45
Parameter	Unit	G / S	RDL		4097326	4097329	4097341	4097342	4097343	4097344	4097345	4097346
1,1'-Biphenyl	µg/L	1000	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dimethyl phthalate	µg/L	30	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4 and 2,6-Dinitrotoluene	µg/L	2300	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Diethyl phthalate	µg/L	30	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Pentachlorophenol	µg/L	50	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3,3'-dichlorobenzidine	µg/L	500	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bis(2-Ethylhexyl)phthalate	µg/L	30	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4-Dinitrophenol	µg/L	9000	10		<10	<10	<10	<10	<10	<10	<10	<10
Sediment					TRACE	TRACE	NO	NO	NO	NO	NO	NO
Surrogate	Unit	Acceptable Limits										
2-Fluorophenol	%	50-140			84	80	62	73	70	69	63	70
phenol-d6 surrogate	%	50-140			70	66	71	61	73	71	67	70
2,4,6-Tribromophenol	%	50-140			83	110	105	97	97	106	105	98
Chrysene-d12	%	50-140			86	80	88	98	117	79	90	100

Certified By: NPopowkolof

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

Certificate of Analysis

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

		SAMPLE DESCRIPTION:		Dup 1
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2022-07-13 15:51
Parameter	Unit	G / S	RDL	4097422
Naphthalene	µg/L	7	0.20	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20
Acenaphthene	µg/L	17	0.20	<0.20
Fluorene	µg/L	290	0.20	<0.20
Phenanthrene	µg/L	380	0.10	<0.10
Anthracene	µg/L	1	0.10	<0.10
Fluoranthene	µg/L	44	0.20	<0.20
Pyrene	µg/L	5.7	0.20	<0.20
Benzo(a)anthracene	µg/L	1.8	0.20	<0.20
Chrysene	µg/L	0.7	0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.75	0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.4	0.10	<0.10
Benzo(a)pyrene	µg/L	0.81	0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.4	0.20	<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20	<0.20
Phenol	µg/L	9600	1.0	<1.0
Bis(2-chloroethyl)ether	µg/L	240000	0.5	<0.5
2-Chlorophenol	µg/L	2600	0.5	<0.5
o-Cresol	µg/L		0.5	<0.5
Bis(2-chloroisopropyl)ether	µg/L	20000	0.5	<0.5
m&p-Cresol	µg/L		0.6	<0.6
2,4-Dimethylphenol	µg/L	31000	0.5	<0.5
2,4-Dichlorophenol	µg/L	3700	0.3	<0.3
1,2,4-Trichlorobenzene	µg/L		0.5	<0.5
p-Chloroaniline	µg/L	320	1.0	<1.0
2-and 1-methyl Naphthalene	µg/L	1500	0.20	<0.20
2,4,6-Trichlorophenol	µg/L	180	0.20	<0.20
2,4,5-Trichlorophenol	µg/L	1300	0.20	<0.20

Certified By: NPopowkolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

				SAMPLE DESCRIPTION:	Dup 1
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2022-07-13 15:51
Parameter	Unit	G / S	RDL		4097422
1,1'-Biphenyl	µg/L	1000	0.50		<0.50
Dimethyl phthalate	µg/L	30	0.50		<0.50
2,4 and 2,6-Dinitrotoluene	µg/L	2300	0.50		<0.50
Diethyl phthalate	µg/L	30	0.50		<0.50
Pentachlorophenol	µg/L	50	0.50		<0.50
3,3'-dichlorobenzidine	µg/L	500	0.50		<0.50
Bis(2-Ethylhexyl)phthalate	µg/L	30	0.50		<0.50
2,4-Dinitrophenol	µg/L	9000	10		<10
Sediment					NO
Surrogate	Unit	Acceptable Limits			
2-Fluorophenol	%	50-140			75
phenol-d6 surrogate	%	50-140			73
2,4,6-Tribromophenol	%	50-140			99
Chrysene-d12	%	50-140			95

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4097326-4097422 To meet the MOE Reporting limits the sample extract was analysed using two separate GC/MS methods. The full scan BNA method is capable of detecting most of the compounds at the RDLs except for several PAHs. The PAHs were analysed using a SIM mode GC/MS method.
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.
Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popowkolof

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

				SAMPLE DESCRIPTION:	MW148	MW149	MW157	MW130	MW50	MW84	MW151	MW156
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2022-07-13 11:33	2022-07-13 12:41	2022-07-13 10:41	2022-07-13 14:44	2022-07-13 11:54	2022-07-13 10:44	2022-07-13 15:51	2022-07-13 09:45
Parameter	Unit	G / S	RDL		4097326	4097329	4097341	4097342	4097343	4097344	4097345	4097346
Polychlorinated Biphenyls	µg/L	0.2	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			82	94	71	98	75	96	81	98

				SAMPLE DESCRIPTION:	Dup 1
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2022-07-13 15:51
Parameter	Unit	G / S	RDL		4097422
Polychlorinated Biphenyls	µg/L	0.2	0.1		<0.1
Surrogate	Unit	Acceptable Limits			
Decachlorobiphenyl	%	60-140			90

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4097326-4097422 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 Popnikolof

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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Certificate of Analysis

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

				SAMPLE DESCRIPTION:	MW148	MW149	MW157	MW130	MW50	MW84	MW151	MW156
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2022-07-13 11:33	2022-07-13 12:41	2022-07-13 10:41	2022-07-13 14:44	2022-07-13 11:54	2022-07-13 10:44	2022-07-13 15:51	2022-07-13 09:45
Parameter	Unit	G / S	RDL		4097326	4097329	4097341	4097342	4097343	4097344	4097345	4097346
F1 (C6-C10)	µg/L		25		11700	<25	<25	<25	<25	<25	<25	<25
F1 (C6 to C10) minus BTEX	µg/L	420	25		2840	<25	<25	<25	<25	<25	<25	<25
F2 (C10 to C16)	µg/L	150	100		1700	110	<100	<100	<100	<100	<100	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		1580	107	<100	<100	<100	<100	<100	<100
F3 (C16 to C34)	µg/L	500	100		240	<100	<100	<100	<100	<100	<100	<100
F3 (C16 to C34) minus PAHs	µg/L		100		240	<100	<100	<100	<100	<100	<100	<100
F4 (C34 to C50)	µg/L	500	100		<100	<100	<100	<100	<100	<100	<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA	NA	NA	NA	NA	NA	NA	NA
Sediment					NO	NO	NO	NO	NO	NO	NO	NO
Surrogate	Unit	Acceptable Limits										
Toluene-d8	%	50-140			100	102	97	95	103	98	95	104
Terphenyl	% Recovery	60-140			66	76	84	63	64	65	63	67

Certified By: NPopowkolof

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

Certificate of Analysis

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

				SAMPLE DESCRIPTION:	Dup 1
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2022-07-13 15:51
Parameter	Unit	G / S	RDL		4097422
F1 (C6-C10)	µg/L		25		<25
F1 (C6 to C10) minus BTEX	µg/L	420	25		<25
F2 (C10 to C16)	µg/L	150	100		<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100
F3 (C16 to C34)	µg/L	500	100		<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100
F4 (C34 to C50)	µg/L	500	100		<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA
Sediment					NO
Surrogate	Unit	Acceptable Limits			
Toluene-d8	%	50-140			98
Terphenyl	% Recovery	60-140			61

Certified By: NPopowkolof

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4097326 Dilution factor=20
VOC- The sample was diluted to keep the target compounds in the calibration range of the instrument and avoid contaminating the Purge and Trap system. The reporting detection limit has been corrected for the dilution factor used.
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.

4097329-4097422 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.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: NPopowkolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

SAMPLE DESCRIPTION:				MW148		MW149	MW157	MW130	MW50	MW84	MW151
SAMPLE TYPE:				Water		Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2022-07-13 11:33		2022-07-13 12:41	2022-07-13 10:41	2022-07-13 14:44	2022-07-13 11:54	2022-07-13 10:44	2022-07-13 15:51
Parameter	Unit	G / S	RDL	4097326	RDL	4097329	4097341	4097342	4097343	4097344	4097345
Dichlorodifluoromethane	µg/L	3500	4.00	<4.00	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	0.5	1.70	<1.70	0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bromomethane	µg/L	0.89	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	2000	4.00	<4.00	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	100000	10.0	<10.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	0.5	3.00	<3.00	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	26	3.00	<3.00	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	11	3.00	<3.00	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	21000	10.0	<10.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	µg/L	2	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	0.5	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	23	3.00	<3.00	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	0.2	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	0.5	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	0.58	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	0.5	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	67000	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	5200	10.0	<10.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	0.5	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	320	2.00	8830	0.20	<0.20	0.31	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	65000	1.00	<1.00	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	1.00	<1.00	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	0.5	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	1.00	<1.00	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorobenzene	µg/L	140	1.00	<1.00	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	54	1.00	7.10	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Certified By:

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

Certificate of Analysis

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

		SAMPLE DESCRIPTION:		MW148		MW149	MW157	MW130	MW50	MW84	MW151
		SAMPLE TYPE:		Water		Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2022-07-13 11:33		2022-07-13 12:41	2022-07-13 10:41	2022-07-13 14:44	2022-07-13 11:54	2022-07-13 10:44	2022-07-13 15:51
Parameter	Unit	G / S	RDL	4097326	RDL	4097329	4097341	4097342	4097343	4097344	4097345
m & p-Xylene	µg/L		2.00	16.4	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	µg/L	5	1.00	<1.00	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	43	1.00	<1.00	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	0.5	1.00	<1.00	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		1.00	2.31	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	7600	1.00	<1.00	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	0.5	1.00	<1.00	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	150	1.00	<1.00	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	72	0.20	18.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Hexane	µg/L	5	2.00	<2.00	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	Unit	Acceptable Limits									
Toluene-d8	% Recovery	50-140		100	1	102	97	95	103	98	95
4-Bromofluorobenzene	% Recovery	50-140		88	1	78	83	83	81	82	87

Certified By: NPopowkoff

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

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AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

				SAMPLE DESCRIPTION:	MW156	Dup 1
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2022-07-13 09:45	2022-07-13 15:51
Parameter	Unit	G / S	RDL		4097346	4097422
Dichlorodifluoromethane	µg/L	3500	0.40		<0.40	<0.40
Vinyl Chloride	µg/L	0.5	0.17		<0.17	<0.17
Bromomethane	µg/L	0.89	0.20		<0.20	<0.20
Trichlorofluoromethane	µg/L	2000	0.40		<0.40	<0.40
Acetone	µg/L	100000	1.0		<1.0	<1.0
1,1-Dichloroethylene	µg/L	0.5	0.30		<0.30	<0.30
Methylene Chloride	µg/L	26	0.30		<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	0.20		<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20		<0.20	<0.20
1,1-Dichloroethane	µg/L	11	0.30		<0.30	<0.30
Methyl Ethyl Ketone	µg/L	21000	1.0		<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	0.20		<0.20	<0.20
Chloroform	µg/L	2	0.20		<0.20	<0.20
1,2-Dichloroethane	µg/L	0.5	0.20		<0.20	<0.20
1,1,1-Trichloroethane	µg/L	23	0.30		<0.30	<0.30
Carbon Tetrachloride	µg/L	0.2	0.20		<0.20	<0.20
Benzene	µg/L	0.5	0.20		<0.20	<0.20
1,2-Dichloropropane	µg/L	0.58	0.20		<0.20	<0.20
Trichloroethylene	µg/L	0.5	0.20		<0.20	<0.20
Bromodichloromethane	µg/L	67000	0.20		<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	5200	1.0		<1.0	<1.0
1,1,2-Trichloroethane	µg/L	0.5	0.20		<0.20	<0.20
Toluene	µg/L	320	0.20		<0.20	<0.20
Dibromochloromethane	µg/L	65000	0.10		<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10		<0.10	<0.10
Tetrachloroethylene	µg/L	0.5	0.20		<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10		<0.10	<0.10
Chlorobenzene	µg/L	140	0.10		<0.10	<0.10
Ethylbenzene	µg/L	54	0.10		<0.10	<0.10

Certified By: NPopowkolof

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

				SAMPLE DESCRIPTION:	MW156	Dup 1
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2022-07-13 09:45	2022-07-13 15:51
Parameter	Unit	G / S	RDL		4097346	4097422
m & p-Xylene	µg/L		0.20		<0.20	<0.20
Bromoform	µg/L	5	0.10		<0.10	<0.10
Styrene	µg/L	43	0.10		<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	0.5	0.10		<0.10	<0.10
o-Xylene	µg/L		0.10		<0.10	<0.10
1,3-Dichlorobenzene	µg/L	7600	0.10		<0.10	<0.10
1,4-Dichlorobenzene	µg/L	0.5	0.10		<0.10	<0.10
1,2-Dichlorobenzene	µg/L	150	0.10		<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30		<0.30	<0.30
Xylenes (Total)	µg/L	72	0.20		<0.20	<0.20
n-Hexane	µg/L	5	0.20		<0.20	<0.20
Surrogate	Unit	Acceptable Limits				
Toluene-d8	% Recovery	50-140			104	98
4-Bromofluorobenzene	% Recovery	50-140			77	84

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4097326 Dilution factor=10
VOC- The sample was diluted to keep the target compounds in the calibration range of the instrument and avoid contaminating the Purge and Trap system. The reporting detection limit has been corrected for the dilution factor used.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

4097329-4097422 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: NPopowkoff

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

Certificate of Analysis

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

SAMPLE DESCRIPTION:				MW148	MW149	MW157	MW130	MW50		MW84
SAMPLE TYPE:				Water	Water	Water	Water	Water		Water
DATE SAMPLED:				2022-07-13 11:33	2022-07-13 12:41	2022-07-13 10:41	2022-07-13 14:44	2022-07-13 11:54		2022-07-13 10:44
Parameter	Unit	G / S	RDL	4097326	4097329	4097341	4097342	4097343	RDL	4097344
Dissolved Antimony	µg/L	16000	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0
Dissolved Arsenic	µg/L	1500	1.0	1.1	<1.0	<1.0	<1.0	<1.0	1.0	<1.0
Dissolved Barium	µg/L	23000	2.0	54.9	53.3	229	66.2	53.1	2.0	380
Dissolved Beryllium	µg/L	53	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	<0.50
Dissolved Boron	µg/L	36000	10.0	<10.0	19.4	338	<10.0	31.6	10.0	90.0
Dissolved Cadmium	µg/L	2.1	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	<0.20
Dissolved Chromium	µg/L	640	2.0	<2.0	<2.0	<2.0	<2.0	2.5	2.0	<2.0
Dissolved Cobalt	µg/L	52	0.50	<0.50	0.89	<0.50	<0.50	<0.50	0.50	<0.50
Dissolved Copper	µg/L	69	1.0	<1.0	1.0	<1.0	1.4	1.8	1.0	1.2
Dissolved Lead	µg/L	20	0.50	0.90	<0.50	<0.50	<0.50	<0.50	0.50	<0.50
Dissolved Molybdenum	µg/L	7300	0.50	<0.50	0.69	<0.50	<0.50	<0.50	0.50	0.52
Dissolved Nickel	µg/L	390	1.0	<1.0	1.7	<1.0	<1.0	1.5	1.0	1.2
Dissolved Selenium	µg/L	50	1.0	<1.0	1.2	<1.0	<1.0	<1.0	1.0	1.8
Dissolved Silver	µg/L	1.2	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	<0.20
Dissolved Thallium	µg/L	400	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.30	<0.30
Dissolved Uranium	µg/L	330	0.50	<0.50	<0.50	<0.50	<0.50	1.76	0.50	1.93
Dissolved Vanadium	µg/L	200	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	0.90
Dissolved Zinc	µg/L	890	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	<5.0
Mercury	µg/L	0.1	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02
Chromium VI	µg/L	110	2.000	<2.000	<2.000	<2.000	<2.000	<2.000	2.000	<2.000
Cyanide, WAD	µg/L	52	2	<2	<2	<2	<2	<2	2	<2
Dissolved Sodium	µg/L	1800000	500	3240	30900	118000	15600	63200	250	890000
Chloride	µg/L	1800000	100	3090	53300	198000	9680	5220	122	1680000
Electrical Conductivity	uS/cm	NA	2	673	841	1360	816	1120	2	5360
pH	pH Units		NA	7.32	7.62	7.50	7.68	7.62	NA	7.59

Certified By:

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

Certificate of Analysis

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

		SAMPLE DESCRIPTION:		MW151	MW156	Dup 1
		SAMPLE TYPE:		Water	Water	Water
		DATE SAMPLED:		2022-07-13 15:51	2022-07-13 09:45	2022-07-13 15:51
Parameter	Unit	G / S	RDL	4097345	4097346	4097422
Dissolved Antimony	µg/L	16000	1.0	<1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	1500	1.0	<1.0	<1.0	<1.0
Dissolved Barium	µg/L	23000	2.0	85.6	115	85.8
Dissolved Beryllium	µg/L	53	0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	36000	10.0	40.8	22.2	42.0
Dissolved Cadmium	µg/L	2.1	0.20	<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	640	2.0	2.0	<2.0	4.1
Dissolved Cobalt	µg/L	52	0.50	<0.50	<0.50	<0.50
Dissolved Copper	µg/L	69	1.0	1.0	4.4	1.9
Dissolved Lead	µg/L	20	0.50	<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	7300	0.50	1.13	0.89	1.19
Dissolved Nickel	µg/L	390	1.0	2.5	1.8	3.1
Dissolved Selenium	µg/L	50	1.0	<1.0	<1.0	<1.0
Dissolved Silver	µg/L	1.2	0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	400	0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	330	0.50	6.24	0.84	6.26
Dissolved Vanadium	µg/L	200	0.40	<0.40	<0.40	<0.40
Dissolved Zinc	µg/L	890	5.0	<5.0	<5.0	<5.0
Mercury	µg/L	0.1	0.02	<0.02	<0.02	<0.02
Chromium VI	µg/L	110	2.000	<2.000	<2.000	<2.000
Cyanide, WAD	µg/L	52	2	<2	<2	<2
Dissolved Sodium	µg/L	1800000	500	25900	80300	25400
Chloride	µg/L	1800000	100	100000	182000	102000
Electrical Conductivity	uS/cm	NA	2	1360	1210	1360
pH	pH Units		NA	7.38	7.50	7.56

Certified By:

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

Certificate of Analysis

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

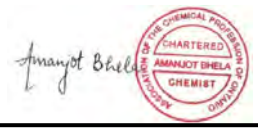
DATE REPORTED: 2022-07-25

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4097326-4097422 Metals analysis completed on a filtered sample.
Dilution required, RDL has been increased accordingly.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



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

Exceedance Summary

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4097326	MW148	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Naphthalene	µg/L	7	117
4097326	MW148	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	F1 (C6 to C10) minus BTEX	µg/L	420	2840
4097326	MW148	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	F2 (C10 to C16)	µg/L	150	1700
4097326	MW148	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Naphthalene	µg/L	7	117
4097326	MW148	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Toluene	µg/L	320	8830
4097326	MW148	ON T7 NPGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Toluene	µg/L	320	8830

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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P920496
PROJECT: 220509-00
ATTENTION TO: Paul Bandler
SAMPLING SITE:
SAMPLED BY:

Trace Organics Analysis

RPT Date: Jul 25, 2022

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	DUPLICATE Dup #2	DUPLICATE RPD	Method Blank	REFERENCE MATERIAL Measured Value	REFERENCE MATERIAL Acceptable Limits Lower	REFERENCE MATERIAL Acceptable Limits Upper	METHOD BLANK SPIKE Recovery	METHOD BLANK SPIKE Acceptable Limits Lower	METHOD BLANK SPIKE Acceptable Limits Upper	MATRIX SPIKE Recovery	MATRIX SPIKE Acceptable Limits Lower	MATRIX SPIKE Acceptable Limits Upper
O. Reg. 153(511) - BNA (full) + PAHs (Water)															
Naphthalene	4075790		< 0.20	< 0.20	NA	< 0.20	112%	50%	140%	101%	50%	140%	85%	50%	140%
Acenaphthylene	4075790		< 0.20	< 0.20	NA	< 0.20	102%	50%	140%	72%	50%	140%	75%	50%	140%
Acenaphthene	4075790		< 0.20	< 0.20	NA	< 0.20	107%	50%	140%	74%	50%	140%	79%	50%	140%
Fluorene	4075790		< 0.20	< 0.20	NA	< 0.20	95%	50%	140%	70%	50%	140%	85%	50%	140%
Phenanthrene	4075790		< 0.10	< 0.10	NA	< 0.10	105%	50%	140%	85%	50%	140%	85%	50%	140%
Anthracene	4075790		< 0.10	< 0.10	NA	< 0.10	102%	50%	140%	88%	50%	140%	84%	50%	140%
Fluoranthene	4075790		< 0.20	< 0.20	NA	< 0.20	92%	50%	140%	98%	50%	140%	79%	50%	140%
Pyrene	4075790		< 0.20	< 0.20	NA	< 0.20	99%	50%	140%	99%	50%	140%	86%	50%	140%
Benzo(a)anthracene	4075790		< 0.20	< 0.20	NA	< 0.20	108%	50%	140%	102%	50%	140%	85%	50%	140%
Chrysene	4075790		< 0.10	< 0.10	NA	< 0.10	93%	50%	140%	98%	50%	140%	82%	50%	140%
Benzo(b)fluoranthene	4075790		< 0.10	< 0.10	NA	< 0.10	95%	50%	140%	78%	50%	140%	84%	50%	140%
Benzo(k)fluoranthene	4075790		< 0.10	< 0.10	NA	< 0.10	102%	50%	140%	80%	50%	140%	79%	50%	140%
Benzo(a)pyrene	4075790		< 0.01	< 0.01	NA	< 0.01	104%	50%	140%	80%	50%	140%	86%	50%	140%
Indeno(1,2,3-cd)pyrene	4075790		< 0.20	< 0.20	NA	< 0.20	92%	50%	140%	81%	50%	140%	85%	50%	140%
Dibenz(a,h)anthracene	4075790		< 0.20	< 0.20	NA	< 0.20	97%	50%	140%	80%	50%	140%	84%	50%	140%
Benzo(g,h,i)perylene	4075790		< 0.20	< 0.20	NA	< 0.20	91%	50%	140%	81%	50%	140%	79%	50%	140%
Phenol	4075790		< 1.0	< 1.0	NA	< 1.0	77%	30%	130%	77%	30%	130%	85%	30%	130%
Bis(2-chloroethyl)ether	4075790		< 0.5	< 0.5	NA	< 0.5	104%	50%	140%	79%	50%	140%	86%	50%	140%
2-Chlorophenol	4075790		< 0.5	< 0.5	NA	< 0.5	70%	50%	140%	81%	50%	140%	89%	50%	140%
o-Cresol	4075790		< 0.5	< 0.5	NA	< 0.5	103%	50%	140%	70%	50%	140%	85%	50%	140%
Bis(2-chloroisopropyl)ether	4075790		< 0.5	< 0.5	NA	< 0.5	89%	50%	140%	69%	50%	140%	84%	50%	140%
m&p-Cresol	4075790		< 0.6	< 0.6	NA	< 0.6	96%	50%	140%	71%	50%	140%	79%	50%	140%
2,4-Dimethylphenol	4075790		< 0.5	< 0.5	NA	< 0.5	69%	30%	130%	69%	30%	130%	85%	30%	130%
2,4-Dichlorophenol	4075790		< 0.3	< 0.3	NA	< 0.3	109%	50%	140%	68%	50%	140%	85%	50%	140%
1,2,4-Trichlorobenzene	4075790		< 0.5	< 0.5	NA	< 0.5	108%	50%	140%	65%	50%	140%	81%	50%	140%
p-Chloroaniline	4075790		< 1.0	< 1.0	NA	< 1.0	91%	30%	130%	89%	30%	130%	79%	30%	130%
2,4,6-Trichlorophenol	4075790		< 0.20	< 0.20	NA	< 0.20	110%	50%	140%	83%	50%	140%	84%	50%	140%
2,4,5-Trichlorophenol	4075790		< 0.20	< 0.20	NA	< 0.20	87%	50%	140%	88%	50%	140%	79%	50%	140%
1,1'-Biphenyl	4075790		< 0.50	< 0.50	NA	< 0.50	81%	50%	140%	93%	50%	140%	82%	50%	140%
Dimethyl phthalate	4075790		< 0.50	< 0.50	NA	< 0.50	112%	50%	140%	88%	50%	140%	85%	50%	140%
Diethyl phthalate	4075790		< 0.50	< 0.50	NA	< 0.50	101%	50%	140%	97%	50%	140%	85%	50%	140%
Pentachlorophenol	4075790		< 0.50	< 0.50	NA	< 0.50	95%	50%	140%	71%	50%	140%	84%	50%	140%
3,3'-dichlorobenzidine	4075790		< 0.50	< 0.50	NA	< 0.50	85%	30%	130%	89%	30%	130%	79%	30%	130%
Bis(2-Ethylhexyl)phthalate	4075790		< 0.50	< 0.50	NA	< 0.50	108%	50%	140%	98%	50%	140%	89%	50%	140%
2,4-Dinitrophenol	4075790		< 10	< 10	NA	< 10	100%	30%	130%	86%	30%	130%	99%	30%	130%
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)															
F1 (C6-C10)	4097422	4097422	<25	<25	NA	< 25	107%	60%	140%	107%	60%	140%	112%	60%	140%
F2 (C10 to C16)	4097342	4097342	< 100	< 100	NA	< 100	88%	60%	140%	70%	60%	140%	76%	60%	140%
F3 (C16 to C34)	4097342	4097342	< 100	< 100	NA	< 100	83%	60%	140%	70%	60%	140%	72%	60%	140%

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P920496
PROJECT: 220509-00
ATTENTION TO: Paul Bandler
SAMPLING SITE:
SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Jul 25, 2022

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
F4 (C34 to C50)	4097342	4097342	< 100	< 100	NA	< 100	82%	60%	140%	83%	60%	140%	79%	60%	140%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	4097422	4097422	<0.40	<0.40	NA	< 0.40	94%	50%	140%	77%	50%	140%	77%	50%	140%
Vinyl Chloride	4097422	4097422	<0.17	<0.17	NA	< 0.17	104%	50%	140%	88%	50%	140%	83%	50%	140%
Bromomethane	4097422	4097422	<0.20	<0.20	NA	< 0.20	93%	50%	140%	73%	50%	140%	71%	50%	140%
Trichlorofluoromethane	4097422	4097422	<0.40	<0.40	NA	< 0.40	110%	50%	140%	94%	50%	140%	91%	50%	140%
Acetone	4097422	4097422	<1.0	<1.0	NA	< 1.0	105%	50%	140%	103%	50%	140%	101%	50%	140%
1,1-Dichloroethylene	4097422	4097422	<0.30	<0.30	NA	< 0.30	100%	50%	140%	100%	60%	130%	103%	50%	140%
Methylene Chloride	4097422	4097422	<0.30	<0.30	NA	< 0.30	109%	50%	140%	111%	60%	130%	108%	50%	140%
trans- 1,2-Dichloroethylene	4097422	4097422	<0.20	<0.20	NA	< 0.20	103%	50%	140%	111%	60%	130%	108%	50%	140%
Methyl tert-butyl ether	4097422	4097422	<0.20	<0.20	NA	< 0.20	108%	50%	140%	106%	60%	130%	109%	50%	140%
1,1-Dichloroethane	4097422	4097422	<0.30	<0.30	NA	< 0.30	103%	50%	140%	106%	60%	130%	101%	50%	140%
Methyl Ethyl Ketone	4097422	4097422	<1.0	<1.0	NA	< 1.0	84%	50%	140%	109%	50%	140%	103%	50%	140%
cis- 1,2-Dichloroethylene	4097422	4097422	<0.20	<0.20	NA	< 0.20	114%	50%	140%	116%	60%	130%	111%	50%	140%
Chloroform	4097422	4097422	<0.20	<0.20	NA	< 0.20	107%	50%	140%	115%	60%	130%	111%	50%	140%
1,2-Dichloroethane	4097422	4097422	<0.20	<0.20	NA	< 0.20	118%	50%	140%	110%	60%	130%	117%	50%	140%
1,1,1-Trichloroethane	4097422	4097422	<0.30	<0.30	NA	< 0.30	96%	50%	140%	95%	60%	130%	98%	50%	140%
Carbon Tetrachloride	4097422	4097422	<0.20	<0.20	NA	< 0.20	100%	50%	140%	101%	60%	130%	102%	50%	140%
Benzene	4097422	4097422	<0.20	<0.20	NA	< 0.20	109%	50%	140%	114%	60%	130%	113%	50%	140%
1,2-Dichloropropane	4097422	4097422	<0.20	<0.20	NA	< 0.20	111%	50%	140%	117%	60%	130%	109%	50%	140%
Trichloroethylene	4097422	4097422	<0.20	<0.20	NA	< 0.20	117%	50%	140%	119%	60%	130%	113%	50%	140%
Bromodichloromethane	4097422	4097422	<0.20	<0.20	NA	< 0.20	114%	50%	140%	101%	60%	130%	110%	50%	140%
Methyl Isobutyl Ketone	4097422	4097422	<1.0	<1.0	NA	< 1.0	109%	50%	140%	109%	50%	140%	116%	50%	140%
1,1,2-Trichloroethane	4097422	4097422	<0.20	<0.20	NA	< 0.20	115%	50%	140%	104%	60%	130%	100%	50%	140%
Toluene	4097422	4097422	<0.20	<0.20	NA	< 0.20	100%	50%	140%	101%	60%	130%	113%	50%	140%
Dibromochloromethane	4097422	4097422	<0.10	<0.10	NA	< 0.10	111%	50%	140%	120%	60%	130%	114%	50%	140%
Ethylene Dibromide	4097422	4097422	<0.10	<0.10	NA	< 0.10	108%	50%	140%	120%	60%	130%	112%	50%	140%
Tetrachloroethylene	4097422	4097422	<0.20	<0.20	NA	< 0.20	94%	50%	140%	93%	60%	130%	109%	50%	140%
1,1,1,2-Tetrachloroethane	4097422	4097422	<0.10	<0.10	NA	< 0.10	95%	50%	140%	93%	60%	130%	108%	50%	140%
Chlorobenzene	4097422	4097422	<0.10	<0.10	NA	< 0.10	103%	50%	140%	105%	60%	130%	107%	50%	140%
Ethylbenzene	4097422	4097422	<0.10	<0.10	NA	< 0.10	92%	50%	140%	91%	60%	130%	99%	50%	140%
m & p-Xylene	4097422	4097422	<0.20	<0.20	NA	< 0.20	99%	50%	140%	100%	60%	130%	102%	50%	140%
Bromoform	4097422	4097422	<0.10	<0.10	NA	< 0.10	114%	50%	140%	111%	60%	130%	107%	50%	140%
Styrene	4097422	4097422	<0.10	<0.10	NA	< 0.10	89%	50%	140%	90%	60%	130%	91%	50%	140%
1,1,2,2-Tetrachloroethane	4097422	4097422	<0.10	<0.10	NA	< 0.10	109%	50%	140%	113%	60%	130%	115%	50%	140%
o-Xylene	4097422	4097422	<0.10	<0.10	NA	< 0.10	103%	50%	140%	105%	60%	130%	103%	50%	140%
1,3-Dichlorobenzene	4097422	4097422	<0.10	<0.10	NA	< 0.10	114%	50%	140%	115%	60%	130%	104%	50%	140%
1,4-Dichlorobenzene	4097422	4097422	<0.10	<0.10	NA	< 0.10	112%	50%	140%	114%	60%	130%	102%	50%	140%
1,2-Dichlorobenzene	4097422	4097422	<0.10	<0.10	NA	< 0.10	113%	50%	140%	113%	60%	130%	99%	50%	140%

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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Jul 25, 2022			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
n-Hexane	4097422	4097422	<0.20	<0.20	NA	< 0.20	103%	50%	140%	83%	60%	130%	77%	50%	140%
O. Reg. 153(511) - PCBs (Water)															
Polychlorinated Biphenyls	4097326	4097326	< 0.2	< 0.2	NA	< 0.1	100%	50%	140%	103%	50%	140%	109%	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 Popowkolof

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SAMPLED BY:

Water Analysis

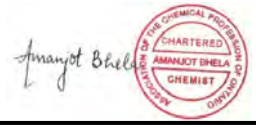
RPT Date: Jul 25, 2022			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Water)															
Dissolved Antimony	4099925		<1.0	<1.0	NA	< 1.0	104%	70%	130%	107%	80%	120%	112%	70%	130%
Dissolved Arsenic	4099925		2.8	2.6	NA	< 1.0	97%	70%	130%	106%	80%	120%	107%	70%	130%
Dissolved Barium	4099925		110	110	0.0%	< 2.0	99%	70%	130%	98%	80%	120%	104%	70%	130%
Dissolved Beryllium	4099925		<0.50	<0.50	NA	< 0.50	106%	70%	130%	107%	80%	120%	117%	70%	130%
Dissolved Boron	4099925		<10.0	24.9	NA	< 10.0	105%	70%	130%	108%	80%	120%	112%	70%	130%
Dissolved Cadmium	4099925		<0.20	<0.20	NA	< 0.20	99%	70%	130%	96%	80%	120%	109%	70%	130%
Dissolved Chromium	4099925		<2.0	<2.0	NA	< 2.0	102%	70%	130%	108%	80%	120%	106%	70%	130%
Dissolved Cobalt	4099925		<0.50	<0.50	NA	< 0.50	102%	70%	130%	109%	80%	120%	107%	70%	130%
Dissolved Copper	4099925		1.6	1.2	NA	< 1.0	100%	70%	130%	104%	80%	120%	103%	70%	130%
Dissolved Lead	4099925		<0.50	<0.50	NA	< 0.50	100%	70%	130%	104%	80%	120%	98%	70%	130%
Dissolved Molybdenum	4099925		2.87	3.24	12.1%	< 0.50	104%	70%	130%	111%	80%	120%	110%	70%	130%
Dissolved Nickel	4099925		1.2	1.2	NA	< 1.0	102%	70%	130%	109%	80%	120%	107%	70%	130%
Dissolved Selenium	4099925		<1.0	<1.0	NA	< 1.0	101%	70%	130%	113%	80%	120%	112%	70%	130%
Dissolved Silver	4099925		<0.20	<0.20	NA	< 0.20	105%	70%	130%	101%	80%	120%	110%	70%	130%
Dissolved Thallium	4099925		<0.30	<0.30	NA	< 0.30	101%	70%	130%	101%	80%	120%	105%	70%	130%
Dissolved Uranium	4099925		0.50	0.53	NA	< 0.50	102%	70%	130%	114%	80%	120%	108%	70%	130%
Dissolved Vanadium	4099925		<0.40	0.54	NA	< 0.40	103%	70%	130%	111%	80%	120%	110%	70%	130%
Dissolved Zinc	4099925		<5.0	<5.0	NA	< 5.0	99%	70%	130%	108%	80%	120%	105%	70%	130%
Mercury	4097326	4097326	<0.02	<0.02	NA	< 0.02	101%	70%	130%	99%	80%	120%	98%	70%	130%
Chromium VI	4108521		<2.000	<2.000	NA	< 2	101%	70%	130%	107%	80%	120%	115%	70%	130%
Cyanide, WAD	4091275		<2	<2	NA	< 2	92%	70%	130%	87%	80%	120%	100%	70%	130%
Dissolved Sodium	4099925		23300	22500	3.5%	< 50	99%	70%	130%	101%	80%	120%	104%	70%	130%
Chloride	4097343	4097343	5220	5160	1.2%	< 100	101%	70%	130%	107%	80%	120%	106%	70%	130%
Electrical Conductivity	4101058		1850	1850	0.0%	< 2	102%	90%	110%	NA			NA		
pH	4101058		7.42	7.49	0.9%	NA	101%	90%	110%	NA			NA		

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

O. Reg. 153(511) - Metals & Inorganics (Water)															
Chromium VI	4097329	4097329	<2.000	<2.000	NA	< 2	102%	70%	130%	107%	80%	120%	110%	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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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluorene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenanthrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(b)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(k)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dibenz(a,h)anthracene	ORG-91-5114	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroethyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Chlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
o-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroisopropyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
m&p-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dimethylphenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,2,4-Trichlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
p-Chloroaniline	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-and 1-methyl Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P920496
PROJECT: 220509-00
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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
2,4,6-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,5-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,1'-Biphenyl	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dimethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4 and 2,6-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
Diethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pentachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
3,3'-dichlorobenzidine	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-Ethylhexyl)phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Fluorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
phenol-d6 surrogate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Tribromophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene-d12	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Sediment			
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-C10)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
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

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Method Summary

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AGAT WORK ORDER: 22P920496
PROJECT: 220509-00
ATTENTION TO: Paul Bandler
SAMPLING SITE:
SAMPLED BY:

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

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Method Summary

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AGAT WORK ORDER: 22P920496

PROJECT: 220509-00

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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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SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Mercury	MET-93-6100	modified from EPA 245.2 and SM 3112 B	CVAAS
Chromium VI	INOR-93-6073	modified from SM 3500-CR B	LACHAT FIA
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015, SM 4500-CN- I, G-387	TECHNICON AUTO ANALYZER
Dissolved Sodium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP/MS
Chloride	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Electrical Conductivity	INOR-93-6000	SM 2510 B	PC TITRATE
pH	INOR-93-6000	modified from SM 4500-H+ B	PC TITRATE

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

Chain of Custody Record

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

Laboratory Use Only
Work Order #: 22P920496-
Cooler Quantity: 5 large
Arrival Temperatures: 9.2 | 9.7 | 9.4 See attached
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: Ice bags; put in fridge

Report Information:
Company: BluMetric Environmental
Contact:
Address: 4 Cataraqui St, Kingston, ON
Phone: Fax:
Reports to be sent to:
1. Email: sanderson@blumetric.ca
2. Email: pbandler@blumetric.ca

Project Information:
Project: 220509-00
Site Location:
Sampled By:
AGAT Quote #: BluMetric 2022 SO 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: ap@blumetric.ca

Regulatory Requirements:
(Please check all applicable boxes)

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

☐ Excess Soils R406
Table (Indicate One)
☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
(Region)
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
(Indicate One)

Is this submission for a **Record of Site Condition?** ☐ Yes ☐ No

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

Turnaround Time (TAT) Required:
Regular TAT ☑ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CPM

Sample Matrix Legend
B Biota
GW Ground Water
O Oil
P Paint
S Soil
SD Sediment
SW Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: VOC	O. Reg 153: Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M& ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity Include Moisture ☐ Sulphide ☐	BNAEs	Cholophenols					Potentially Hazardous or High Concentration (Y/N)
~~MW146~~		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW148	07/13/22	11:33 AM PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
MW149	07/13/22	12:41 AM PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
~~MW152~~		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW82~~		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW136~~		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW138~~		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW157	07/13/22	10:41 AM PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
~~MW26~~		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW81		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW121~~		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Steve Anderson	07/13/22	18:30	Karly Jones	July 14/22	8am
Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
	July 14/22	1600	Anthony Bandler		
Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time

Page 1 of 3
No:

AGAT Laboratories
5835 Coopers Avenue
Mississauga, Ontario L4Z 1Y2
Ph: 905 712 5100 Fax: 905 712 5122
webearth.agatlabs.com

Chain of Custody Record

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

Laboratory Use Only
Work Order #: 22P920496

Cooler Quantity: 5
Arrival Temperatures:
Custody Seal Intact: ☐Yes ☐No ☐N/A
Notes:

Report Information:
Company: BluMetric Environmental
Contact:
Address: 4 Cataraqui St, Kingston, ON
Phone: Fax:
Reports to be sent to:
1. Email: sanderson@blumetric.ca
2. Email: pbandler@blumetric.ca

Project Information:
Project: 220509-00
Site Location:
Sampled By:
AGAT Quote #: BluMetric 2022 SO 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: ap@blumetric.ca

Regulatory Requirements:
(Please check all applicable boxes)

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

☐ Excess Soils R406
Table ___ *Indicate One*
☐ Regulation 558
☐ CCME

☐ Sewer Use ☐Sanitary ☐Storm
___ *Region*
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
___ *Indicate One*

Is this submission for a Record of Site Condition? ☐ Yes ☐ No

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

Turnaround Time (TAT) Required:
Regular TAT ☑ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CPM

Sample Matrix Legend
B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	PAHs	PCBs	VOC	Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐M&I ☐VOCs ☐ABNs ☐B(a)P ☐PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐Metals ☐VOCs ☐SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	BNAEs	Cholophenols					Potentially Hazardous or High Concentration (Y/N)
MW130	07/13/22	14:44 AM/PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
MW50	07/13/22	11:54 AM/PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
MW84	07/13/22	10:44 AM/PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
MW128 well Dry		AM/PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW151	07/13/22	15:51 AM/PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
~~MW22~~		AM/PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW25~~		AM/PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW24~~		AM/PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW80~~		AM/PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW156	07/13/22	9:45 AM/PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
~~MW78~~		AM/PM	18	GW			☑		☑	☑	☑	☑						☑	☑					

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Steve Anderson	07/13/22	18:30	Kerry Jones	July 14/22	8am
Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
	July 14/22	11:00			
Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time

Page 2 of 3
N°:

AGAT Laboratories
5835 Coopers Avenue
Mississauga, Ontario L4Z 1Y2
Ph: 905 712.5100 Fax: 905.712.5122
webearth.agatlabs.com

Chain of Custody Record

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

Laboratory Use Only
Work Order #: 22P920496
Cooler Quantity: 5
Arrival Temperatures:
Custody Seal Intact: ☐Yes ☐No ☐N/A
Notes:

Report Information:
Company: BluMetric Environmental
Contact:
Address: 4 Cataraqui St, Kingston, ON
Phone: Fax:
Reports to be sent to:
1. Email: sanderson@blumetric.ca
2. Email: pbandler@blumetric.ca

Regulatory Requirements:
(Please check all applicable boxes)

☐ Regulation 153/04 — Table (Indicate One): ☐Ind/Com ☐Res/Park ☐Agriculture
Soil Texture (Check One): ☐Coarse ☐Fine
☐ Excess Soils R406 — Table (Indicate One)
☐ Regulation 558
☐ CCME
☐ Sewer Use ☐Sanitary ☐Storm — Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other — Indicate One

Is this submission for a **Record of Site Condition?** ☐ Yes ☐ No

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

Turnaround Time (TAT) Required:
Regular TAT ☒ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CPM

Project Information:
Project: 220509-00
Site Location:
Sampled By:
AGAT Quote #: BluMetric 2022 SO 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: ap@blumetric.ca

Sample Matrix Legend
B Biota
GW Ground Water
O Oil
P Paint
S Soil
SD Sediment
SW Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	Metals - ☐CrVI, ☐Hg, ☐HWSB	BTEX, F1-F4 PHCs	PAHs	PCBs	VOC	Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐M&I ☐VOCs ☐ABNs ☐B(a)P ☐PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐Metals ☐VOCs ☐SVOCs	Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	BNAEs	Cholophenols					Potentially Hazardous or High Concentration (Y/N)
~~MW79~~		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
~~MW23~~		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
Dup 1	07/13/22	15:51 AM PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
~~Dup 2~~		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
~~Trip Blank~~		AM PM	3	GW								☑												
		AM PM																						
		AM PM																						
		AM PM																						
		AM PM																						
		AM PM																						
		AM PM																						

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Steve Anderson	07/13/22	18:30	Kayly Jones	July 14/22	8am
	July 14/22	1600			

Page 3 of 3
N°:

AGAT Laboratories

Sample Temperature Log

Client: BLUMETRIC

COC# or Work Order#:

# of Coolers: 5 large

# of Submissions:

Arrival Temperatures - Branch/Driver

Cooler #1:	4.9	5.1	5.5
Cooler #2:	9.2	9.4	9.6
Cooler #3:	6.6	6.8	7.4
Cooler #4:	6.8	7.8	8.5
Cooler #5:	7.7	7.9	8.3
Cooler #6:			
Cooler #7:			
Cooler #8:			
Cooler #9:			
Cooler #10:			

IR Gun ID:

Taken By:

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

Arrival Temperatures - Laboratory

Cooler #1:			
Cooler #2:			
Cooler #3:			
Cooler #4:			
Cooler #5:			
Cooler #6:			
Cooler #7:			
Cooler #8:			
Cooler #9:			
Cooler #10:			

IR Gun ID:

Taken By:

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

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

AGAT Laboratories

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

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725

ATTENTION TO: Paul Bandler

PROJECT: 220509-00

AGAT WORK ORDER: 22P921159

TRACE ORGANICS REVIEWED BY: Pinkal Patel, Report Reviewer

WATER ANALYSIS REVIEWED BY: Jacky Zhu, Spectroscopy Technician

DATE REPORTED: Jul 25, 2022

PAGES (INCLUDING COVER): 25

VERSION*: 1

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

*Notes

Disclaimer:

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

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

SAMPLE DESCRIPTION:				MW138	MW26	MW81	MW79	MW23	DUP2
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2022-07-14 15:17	2022-07-14 12:12	2022-07-14 14:08	2022-07-14 09:37	2022-07-14 10:41	2022-07-14 10:41
Parameter	Unit	G / S	RDL	4110272	4110274	4110275	4110276	4110277	4110278
Naphthalene	µg/L	1400	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthylene	µg/L	1.8	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthene	µg/L	600	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Fluorene	µg/L	400	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Phenanthrene	µg/L	580	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Anthracene	µg/L	2.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	130	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Pyrene	µg/L	68	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzo(a)anthracene	µg/L	4.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chrysene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.75	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.81	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
Dibenz(a,h)anthracene	µg/L	0.52	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
Phenol	µg/L	12000	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bis(2-chloroethyl)ether	µg/L	300000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorophenol	µg/L	3300	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
o-Cresol	µg/L		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroisopropyl)ether	µg/L	20000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m&p-Cresol	µg/L		0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
2,4-Dimethylphenol	µg/L	39000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dichlorophenol	µg/L	4600	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2,4-Trichlorobenzene	µg/L		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Chloroaniline	µg/L	400	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-and 1-methyl Naphthalene	µg/L	1800	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,6-Trichlorophenol	µg/L	230	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,5-Trichlorophenol	µg/L	1600	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Certified By: Pinkal Patel

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

				SAMPLE DESCRIPTION:	MW138	MW26	MW81	MW79	MW23	DUP2
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2022-07-14 15:17	2022-07-14 12:12	2022-07-14 14:08	2022-07-14 09:37	2022-07-14 10:41	2022-07-14 10:41
Parameter	Unit	G / S	RDL		4110272	4110274	4110275	4110276	4110277	4110278
1,1'-Biphenyl	µg/L	1000	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dimethyl phthalate	µg/L	38	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4 and 2,6-Dinitrotoluene	µg/L	2900	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Diethyl phthalate	µg/L	38	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Pentachlorophenol	µg/L	62	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3,3'-dichlorobenzidine	µg/L	640	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bis(2-Ethylhexyl)phthalate	µg/L	140	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4-Dinitrophenol	µg/L	11000	10		<10	<10	<10	<10	<10	<10
Sediment					TRACE	TRACE	NO	TRACE	TRACE	TRACE
Surrogate	Unit	Acceptable Limits								
2-Fluorophenol	%	50-140			94	100	80	108	93	108
phenol-d6 surrogate	%	50-140			75	69	64	74	61	74
2,4,6-Tribromophenol	%	50-140			109	87	62	103	91	91
Chrysene-d12	%	50-140			117	87	76	88	96	109

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

4110272-4110278 To meet the MOE Reporting limits the sample extract was analysed using two separate GC/MS methods. The full scan BNA method is capable of detecting most of the compounds at the RDLs except for several PAHs. The PAHs were analysed using a SIM mode GC/MS method.
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.
Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Pinkal Patel

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

				SAMPLE DESCRIPTION:	MW138	MW26	MW81	MW79	MW23	DUP2
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2022-07-14 15:17	2022-07-14 12:12	2022-07-14 14:08	2022-07-14 09:37	2022-07-14 10:41	2022-07-14 10:41
Parameter	Unit	G / S	RDL		4110272	4110274	4110275	4110276	4110277	4110278
Polychlorinated Biphenyls	µg/L	0.2	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate	Unit	Acceptable Limits								
Decachlorobiphenyl	%	60-140			82	70	83	91	78	81

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4110272-4110278 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: Jinkal Patel

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

				SAMPLE DESCRIPTION:	MW138	MW26	MW81	MW79	MW23	DUP2
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2022-07-14 15:17	2022-07-14 12:12	2022-07-14 14:08	2022-07-14 09:37	2022-07-14 10:41	2022-07-14 10:41
Parameter	Unit	G / S	RDL		4110272	4110274	4110275	4110276	4110277	4110278
F1 (C6-C10)	µg/L	750	25		<25	<25	<25	<25	<25	<25
F1 (C6 to C10) minus BTEX	µg/L	750	25		<25	<25	<25	<25	<25	<25
F2 (C10 to C16)	µg/L	150	100		<100	<100	<100	<100	<100	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100	<100	<100	<100	<100	<100
F3 (C16 to C34)	µg/L	500	100		<100	<100	<100	<100	<100	<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100	<100	<100	<100	<100	<100
F4 (C34 to C50)	µg/L	500	100		<100	<100	<100	<100	<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA	NA	NA	NA	NA	NA
Sediment					NO	NO	NO	NO	NO	NO
Surrogate	Unit	Acceptable Limits								
Toluene-d8	%	50-140			100	98	101	104	101	96
Terphenyl	% Recovery	60-140			98	89	85	96	83	88

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

4110272-4110278 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.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Pinkal Patel

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

Certificate of Analysis

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

		SAMPLE DESCRIPTION:		Trip Blank
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2022-07-14
Parameter	Unit	G / S	RDL	4110292
Dichlorodifluoromethane	µg/L	3500	0.40	<0.40
Vinyl Chloride	µg/L	0.5	0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20
Trichlorofluoromethane	µg/L	2000	0.40	<0.40
Acetone	µg/L	100000	1.0	<1.0
1,1-Dichloroethylene	µg/L	0.5	0.30	<0.30
Methylene Chloride	µg/L	26	0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20
1,1-Dichloroethane	µg/L	11	0.30	<0.30
Methyl Ethyl Ketone	µg/L	21000	1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	0.20	<0.20
Chloroform	µg/L	2	0.20	<0.20
1,2-Dichloroethane	µg/L	0.5	0.20	<0.20
1,1,1-Trichloroethane	µg/L	23	0.30	<0.30
Carbon Tetrachloride	µg/L	0.2	0.20	<0.20
Benzene	µg/L	0.5	0.20	<0.20
1,2-Dichloropropane	µg/L	0.58	0.20	<0.20
Trichloroethylene	µg/L	0.5	0.20	<0.20
Bromodichloromethane	µg/L	67000	0.20	<0.20
Methyl Isobutyl Ketone	µg/L	5200	1.0	<1.0
1,1,2-Trichloroethane	µg/L	0.5	0.20	<0.20
Toluene	µg/L	320	0.20	<0.20
Dibromochloromethane	µg/L	65000	0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10
Tetrachloroethylene	µg/L	0.5	0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10
Chlorobenzene	µg/L	140	0.10	<0.10
Ethylbenzene	µg/L	54	0.10	<0.10
m & p-Xylene	µg/L		0.20	<0.20

Certified By: Jinkal Patel

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

Certificate of Analysis

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

		SAMPLE DESCRIPTION:		Trip Blank
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2022-07-14
Parameter	Unit	G / S	RDL	4110292
Bromoform	µg/L	5	0.10	<0.10
Styrene	µg/L	43	0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	0.5	0.10	<0.10
o-Xylene	µg/L		0.10	<0.10
1,3-Dichlorobenzene	µg/L	7600	0.10	<0.10
1,4-Dichlorobenzene	µg/L	0.5	0.10	<0.10
1,2-Dichlorobenzene	µg/L	150	0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30	<0.30
Xylenes (Total)	µg/L	72	0.20	<0.20
n-Hexane	µg/L	5	0.20	<0.20
Surrogate	Unit	Acceptable Limits		
Toluene-d8	% Recovery	50-140		100
4-Bromofluorobenzene	% Recovery	50-140		101

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4110292 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

				SAMPLE DESCRIPTION:	MW138	MW26	MW81	MW79	MW23	DUP2
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2022-07-14 15:17	2022-07-14 12:12	2022-07-14 14:08	2022-07-14 09:37	2022-07-14 10:41	2022-07-14 10:41
Parameter	Unit	G / S	RDL		4110272	4110274	4110275	4110276	4110277	4110278
Dichlorodifluoromethane	µg/L	3500	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
Bromomethane	µg/L	0.89	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	2000	0.40		<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	100000	1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	0.5	0.30		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	26	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
Methyl tert-butyl ether	µg/L	15	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	11	0.30		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	21000	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
Chloroform	µg/L	2	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	0.5	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	23	0.30		<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	0.2	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	0.5	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	0.58	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	0.5	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	67000	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	5200	1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	0.5	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	320	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	65000	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
Tetrachloroethylene	µg/L	0.5	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
Chlorobenzene	µg/L	140	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	54	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Certified By: Jinkal Patel

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

				SAMPLE DESCRIPTION:	MW138	MW26	MW81	MW79	MW23	DUP2
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2022-07-14 15:17	2022-07-14 12:12	2022-07-14 14:08	2022-07-14 09:37	2022-07-14 10:41	2022-07-14 10:41
Parameter	Unit	G / S	RDL		4110272	4110274	4110275	4110276	4110277	4110278
m & p-Xylene	µg/L		0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	µg/L	5	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	43	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	0.5	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	7600	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	0.5	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	150	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
Xylenes (Total)	µg/L	72	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Hexane	µg/L	5	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	Unit	Acceptable Limits								
Toluene-d8	% Recovery	50-140			100	98	101	104	101	96
4-Bromofluorobenzene	% Recovery	50-140			82	80	83	83	80	82

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4110272-4110278 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: Pinkal Patel

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

		SAMPLE DESCRIPTION:		MW138	MW26	MW81	MW79	MW23	DUP2
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2022-07-14 15:17	2022-07-14 12:12	2022-07-14 14:08	2022-07-14 09:37	2022-07-14 10:41	2022-07-14 10:41
Parameter	Unit	G / S	RDL	4110272	4110274	4110275	4110276	4110277	4110278
Dissolved Antimony	µg/L	16000	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	1500	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Barium	µg/L	23000	2.0	128	169	187	164	70.3	65.1
Dissolved Beryllium	µg/L	53	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	36000	10.0	197	166	32.7	242	177	166
Dissolved Cadmium	µg/L	2.1	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	640	2.0	<2.0	<2.0	<2.0	<2.0	2.8	<2.0
Dissolved Cobalt	µg/L	52	0.50	<0.50	<0.50	0.60	1.86	1.24	<0.50
Dissolved Copper	µg/L	69	1.0	1.7	<1.0	<1.0	2.5	1.1	3.6
Dissolved Lead	µg/L	20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	7300	0.50	187	<0.50	<0.50	0.97	2.76	2.65
Dissolved Nickel	µg/L	390	1.0	<1.0	3.2	4.4	1.1	1.0	<1.0
Dissolved Selenium	µg/L	50	1.0	<1.0	3.0	<1.0	<1.0	<1.0	<1.0
Dissolved Silver	µg/L	1.2	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	400	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	330	0.50	<0.50	<0.50	2.30	<0.50	<0.50	<0.50
Dissolved Vanadium	µg/L	200	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Dissolved Zinc	µg/L	890	5.0	<5.0	17.8	<5.0	<5.0	<5.0	<5.0
Mercury	µg/L	0.1	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium VI	µg/L	110	2.000	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000
Cyanide, WAD	µg/L	52	2	<2	<2	<2	<2	<2	<2
Dissolved Sodium	µg/L	1800000	50	17800	133000	170000	51400	41100	38800
Chloride	µg/L	1800000	100	18700	205000	336000	34500	34700	35200
Electrical Conductivity	uS/cm	NA	2	756	1510	1810	964	961	962
pH	pH Units		NA	7.72	7.70	7.65	7.72	7.78	7.75

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2022-07-14

DATE REPORTED: 2022-07-25

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

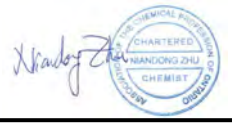
4110272-4110274 Metals analysis completed on a filtered sample.

4110275 Metals analysis completed on a filtered sample.
Dilution required, RDL has been increased accordingly.

4110276-4110278 Metals analysis completed on a filtered sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P921159
PROJECT: 220509-00
ATTENTION TO: Paul Bandler
SAMPLING SITE:
SAMPLED BY:

Trace Organics Analysis

RPT Date: Jul 25, 2022

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	DUPLICATE Dup #2	DUPLICATE RPD	Method Blank	REFERENCE MATERIAL Measured Value	REFERENCE MATERIAL Acceptable Limits Lower	REFERENCE MATERIAL Acceptable Limits Upper	METHOD BLANK SPIKE Recovery	METHOD BLANK SPIKE Acceptable Limits Lower	METHOD BLANK SPIKE Acceptable Limits Upper	MATRIX SPIKE Recovery	MATRIX SPIKE Acceptable Limits Lower	MATRIX SPIKE Acceptable Limits Upper
O. Reg. 153(511) - VOCs (Water)															
Dichlorodifluoromethane	4110292	4110292	<0.40	<0.40	NA	< 0.40	76%	50%	140%	115%	50%	140%	78%	50%	140%
Vinyl Chloride	4110292	4110292	<0.17	<0.17	NA	< 0.17	111%	50%	140%	92%	50%	140%	119%	50%	140%
Bromomethane	4110292	4110292	<0.20	<0.20	NA	< 0.20	89%	50%	140%	90%	50%	140%	109%	50%	140%
Trichlorofluoromethane	4110292	4110292	<0.40	<0.40	NA	< 0.40	103%	50%	140%	85%	50%	140%	110%	50%	140%
Acetone	4110292	4110292	<1.0	<1.0	NA	< 1.0	98%	50%	140%	104%	50%	140%	97%	50%	140%
1,1-Dichloroethylene	4110292	4110292	<0.30	<0.30	NA	< 0.30	70%	50%	140%	77%	60%	130%	102%	50%	140%
Methylene Chloride	4110292	4110292	<0.30	<0.30	NA	< 0.30	72%	50%	140%	76%	60%	130%	96%	50%	140%
trans- 1,2-Dichloroethylene	4110292	4110292	<0.20	<0.20	NA	< 0.20	73%	50%	140%	82%	60%	130%	99%	50%	140%
Methyl tert-butyl ether	4110292	4110292	<0.20	<0.20	NA	< 0.20	72%	50%	140%	91%	60%	130%	110%	50%	140%
1,1-Dichloroethane	4110292	4110292	<0.30	<0.30	NA	< 0.30	86%	50%	140%	81%	60%	130%	114%	50%	140%
Methyl Ethyl Ketone	4110292	4110292	<1.0	<1.0	NA	< 1.0	94%	50%	140%	90%	50%	140%	111%	50%	140%
cis- 1,2-Dichloroethylene	4110292	4110292	<0.20	<0.20	NA	< 0.20	79%	50%	140%	86%	60%	130%	98%	50%	140%
Chloroform	4110292	4110292	<0.20	<0.20	NA	< 0.20	83%	50%	140%	83%	60%	130%	109%	50%	140%
1,2-Dichloroethane	4110292	4110292	<0.20	<0.20	NA	< 0.20	87%	50%	140%	105%	60%	130%	105%	50%	140%
1,1,1-Trichloroethane	4110292	4110292	<0.30	<0.30	NA	< 0.30	73%	50%	140%	104%	60%	130%	109%	50%	140%
Carbon Tetrachloride	4110292	4110292	<0.20	<0.20	NA	< 0.20	93%	50%	140%	114%	60%	130%	90%	50%	140%
Benzene	4110292	4110292	<0.20	<0.20	NA	< 0.20	108%	50%	140%	111%	60%	130%	76%	50%	140%
1,2-Dichloropropane	4110292	4110292	<0.20	<0.20	NA	< 0.20	83%	50%	140%	93%	60%	130%	104%	50%	140%
Trichloroethylene	4110292	4110292	<0.20	<0.20	NA	< 0.20	85%	50%	140%	93%	60%	130%	110%	50%	140%
Bromodichloromethane	4110292	4110292	<0.20	<0.20	NA	< 0.20	79%	50%	140%	92%	60%	130%	101%	50%	140%
Methyl Isobutyl Ketone	4110292	4110292	<1.0	<1.0	NA	< 1.0	104%	50%	140%	86%	50%	140%	99%	50%	140%
1,1,2-Trichloroethane	4110292	4110292	<0.20	<0.20	NA	< 0.20	93%	50%	140%	84%	60%	130%	109%	50%	140%
Toluene	4110292	4110292	<0.20	<0.20	NA	< 0.20	90%	50%	140%	74%	60%	130%	115%	50%	140%
Dibromochloromethane	4110292	4110292	<0.10	<0.10	NA	< 0.10	87%	50%	140%	76%	60%	130%	104%	50%	140%
Ethylene Dibromide	4110292	4110292	<0.10	<0.10	NA	< 0.10	89%	50%	140%	82%	60%	130%	105%	50%	140%
Tetrachloroethylene	4110292	4110292	<0.20	<0.20	NA	< 0.20	92%	50%	140%	71%	60%	130%	105%	50%	140%
1,1,1,2-Tetrachloroethane	4110292	4110292	<0.10	<0.10	NA	< 0.10	87%	50%	140%	73%	60%	130%	110%	50%	140%
Chlorobenzene	4110292	4110292	<0.10	<0.10	NA	< 0.10	90%	50%	140%	74%	60%	130%	114%	50%	140%
Ethylbenzene	4110292	4110292	<0.10	<0.10	NA	< 0.10	94%	50%	140%	76%	60%	130%	112%	50%	140%
m & p-Xylene	4110292	4110292	<0.20	<0.20	NA	< 0.20	90%	50%	140%	91%	60%	130%	116%	50%	140%
Bromoform	4110292	4110292	<0.10	<0.10	NA	< 0.10	87%	50%	140%	80%	60%	130%	101%	50%	140%
Styrene	4110292	4110292	<0.10	<0.10	NA	< 0.10	87%	50%	140%	78%	60%	130%	106%	50%	140%
1,1,2,2-Tetrachloroethane	4110292	4110292	<0.10	<0.10	NA	< 0.10	102%	50%	140%	90%	60%	130%	71%	50%	140%
o-Xylene	4110292	4110292	<0.10	<0.10	NA	< 0.10	89%	50%	140%	73%	60%	130%	112%	50%	140%
1,3-Dichlorobenzene	4110292	4110292	<0.10	<0.10	NA	< 0.10	93%	50%	140%	77%	60%	130%	109%	50%	140%
1,4-Dichlorobenzene	4110292	4110292	<0.10	<0.10	NA	< 0.10	95%	50%	140%	78%	60%	130%	105%	50%	140%
1,2-Dichlorobenzene	4110292	4110292	<0.10	<0.10	NA	< 0.10	93%	50%	140%	76%	60%	130%	101%	50%	140%
n-Hexane	4110292	4110292	<0.20	<0.20	NA	< 0.20	108%	50%	140%	85%	60%	130%	118%	50%	140%

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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Jul 25, 2022

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	DUPLICATE Dup #2	DUPLICATE RPD	Method Blank	REFERENCE MATERIAL Measured Value	REFERENCE MATERIAL Acceptable Limits Lower	REFERENCE MATERIAL Acceptable Limits Upper	METHOD BLANK SPIKE Recovery	METHOD BLANK SPIKE Acceptable Limits Lower	METHOD BLANK SPIKE Acceptable Limits Upper	MATRIX SPIKE Recovery	MATRIX SPIKE Acceptable Limits Lower	MATRIX SPIKE Acceptable Limits Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)															
F1 (C6-C10)	4105558		<25	<25	NA	< 25	118%	60%	140%	110%	60%	140%	77%	60%	140%
F2 (C10 to C16)	4110272	4110272	<100	<100	NA	< 100	103%	60%	140%	91%	60%	140%	67%	60%	140%
F3 (C16 to C34)	4110272	4110272	<100	<100	NA	< 100	108%	60%	140%	81%	60%	140%	70%	60%	140%
F4 (C34 to C50)	4110272	4110272	<100	<100	NA	< 100	87%	60%	140%	108%	60%	140%	99%	60%	140%
O. Reg. 153(511) - BNA (full) + PAHs (Water)															
Naphthalene	4110277	4110277	<0.20	<0.20	NA	< 0.20	112%	50%	140%	101%	50%	140%	75%	50%	140%
Acenaphthylene	4110277	4110277	<0.20	<0.20	NA	< 0.20	102%	50%	140%	72%	50%	140%	85%	50%	140%
Acenaphthene	4110277	4110277	<0.20	<0.20	NA	< 0.20	107%	50%	140%	74%	50%	140%	82%	50%	140%
Fluorene	4110277	4110277	<0.20	<0.20	NA	< 0.20	95%	50%	140%	70%	50%	140%	97%	50%	140%
Phenanthrene	4110277	4110277	<0.10	<0.10	NA	< 0.10	105%	50%	140%	85%	50%	140%	98%	50%	140%
Anthracene	4110277	4110277	<0.10	<0.10	NA	< 0.10	102%	50%	140%	88%	50%	140%	99%	50%	140%
Fluoranthene	4110277	4110277	<0.20	<0.20	NA	< 0.20	92%	50%	140%	98%	50%	140%	92%	50%	140%
Pyrene	4110277	4110277	<0.20	<0.20	NA	< 0.20	99%	50%	140%	99%	50%	140%	92%	50%	140%
Benzo(a)anthracene	4110277	4110277	<0.20	<0.20	NA	< 0.20	108%	50%	140%	102%	50%	140%	88%	50%	140%
Chrysene	4110277	4110277	<0.10	<0.10	NA	< 0.10	93%	50%	140%	98%	50%	140%	93%	50%	140%
Benzo(b)fluoranthene	4110277	4110277	<0.10	<0.10	NA	< 0.10	95%	50%	140%	78%	50%	140%	84%	50%	140%
Benzo(k)fluoranthene	4110277	4110277	<0.10	<0.10	NA	< 0.10	102%	50%	140%	80%	50%	140%	95%	50%	140%
Benzo(a)pyrene	4110277	4110277	<0.01	<0.01	NA	< 0.01	104%	50%	140%	80%	50%	140%	82%	50%	140%
Indeno(1,2,3-cd)pyrene	4110277	4110277	<0.20	<0.20	NA	< 0.20	92%	50%	140%	81%	50%	140%	66%	50%	140%
Dibenz(a,h)anthracene	4110277	4110277	<0.20	<0.20	NA	< 0.20	97%	50%	140%	80%	50%	140%	66%	50%	140%
Benzo(g,h,i)perylene	4110277	4110277	<0.20	<0.20	NA	< 0.20	91%	50%	140%	81%	50%	140%	64%	50%	140%
Phenol	4110277	4110277	<1.0	<1.0	NA	< 1.0	77%	30%	130%	77%	30%	130%	65%	30%	130%
Bis(2-chloroethyl)ether	4110277	4110277	<0.5	<0.5	NA	< 0.5	104%	50%	140%	79%	50%	140%	83%	50%	140%
2-Chlorophenol	4110277	4110277	<0.5	<0.5	NA	< 0.5	70%	50%	140%	81%	50%	140%	78%	50%	140%
o-Cresol	4110277	4110277	<0.5	<0.5	NA	< 0.5	103%	50%	140%	70%	50%	140%	71%	50%	140%
Bis(2-chloroisopropyl)ether	4110277	4110277	<0.5	<0.5	NA	< 0.5	89%	50%	140%	69%	50%	140%	102%	50%	140%
m&p-Cresol	4110277	4110277	<0.6	<0.6	NA	< 0.6	96%	50%	140%	71%	50%	140%	74%	50%	140%
2,4-Dimethylphenol	4110277	4110277	<0.5	<0.5	NA	< 0.5	69%	30%	130%	69%	30%	130%	86%	30%	130%
2,4-Dichlorophenol	4110277	4110277	<0.3	<0.3	NA	< 0.3	109%	50%	140%	68%	50%	140%	71%	50%	140%
1,2,4-Trichlorobenzene	4110277	4110277	<0.5	<0.5	NA	< 0.5	108%	50%	140%	65%	50%	140%	62%	50%	140%
p-Chloroaniline	4110277	4110277	<1.0	<1.0	NA	< 1.0	91%	30%	130%	89%	30%	130%	89%	30%	130%
2,4,6-Trichlorophenol	4110277	4110277	<0.20	<0.20	NA	< 0.20	110%	50%	140%	83%	50%	140%	78%	50%	140%
2,4,5-Trichlorophenol	4110277	4110277	<0.20	<0.20	NA	< 0.20	87%	50%	140%	88%	50%	140%	96%	50%	140%
1,1'-Biphenyl	4110277	4110277	<0.50	<0.50	NA	< 0.50	81%	50%	140%	93%	50%	140%	83%	50%	140%
Dimethyl phthalate	4110277	4110277	<0.50	<0.50	NA	< 0.50	112%	50%	140%	88%	50%	140%	92%	50%	140%
Diethyl phthalate	4110277	4110277	<0.50	<0.50	NA	< 0.50	101%	50%	140%	97%	50%	140%	104%	50%	140%
Pentachlorophenol	4110277	4110277	<0.50	<0.50	NA	< 0.50	95%	50%	140%	71%	50%	140%	79%	50%	140%
3,3'-dichlorobenzidine	4110277	4110277	<0.50	<0.50	NA	< 0.50	85%	30%	130%	89%	30%	130%	75%	30%	130%
Bis(2-Ethylhexyl)phthalate	4110277	4110277	<0.50	<0.50	NA	< 0.50	108%	50%	140%	98%	50%	140%	93%	50%	140%

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AGAT WORK ORDER: 22P921159
PROJECT: 220509-00
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SAMPLING SITE:
SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Jul 25, 2022

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
2,4-Dinitrophenol	4110277	4110277	<10	<10	NA	< 10	100%	30%	130%	86%	30%	130%	85%	30%	130%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	4105558		<0.40	<0.40	NA	< 0.40	74%	50%	140%	76%	50%	140%	76%	50%	140%
Vinyl Chloride	4105558		<0.17	<0.17	NA	< 0.17	88%	50%	140%	90%	50%	140%	110%	50%	140%
Bromomethane	4105558		<0.20	<0.20	NA	< 0.20	75%	50%	140%	81%	50%	140%	98%	50%	140%
Trichlorofluoromethane	4105558		<0.40	<0.40	NA	< 0.40	96%	50%	140%	93%	50%	140%	107%	50%	140%
Acetone	4105558		<1.0	<1.0	NA	< 1.0	91%	50%	140%	111%	50%	140%	117%	50%	140%
1,1-Dichloroethylene	4105558		<0.30	<0.30	NA	< 0.30	99%	50%	140%	114%	60%	130%	105%	50%	140%
Methylene Chloride	4105558		<0.30	<0.30	NA	< 0.30	104%	50%	140%	105%	60%	130%	83%	50%	140%
trans- 1,2-Dichloroethylene	4105558		<0.20	<0.20	NA	< 0.20	98%	50%	140%	117%	60%	130%	109%	50%	140%
Methyl tert-butyl ether	4105558		<0.20	<0.20	NA	< 0.20	87%	50%	140%	107%	60%	130%	113%	50%	140%
1,1-Dichloroethane	4105558		<0.30	<0.30	NA	< 0.30	97%	50%	140%	114%	60%	130%	105%	50%	140%
Methyl Ethyl Ketone	4105558		<1.0	<1.0	NA	< 1.0	100%	50%	140%	101%	50%	140%	102%	50%	140%
cis- 1,2-Dichloroethylene	4105558		<0.20	<0.20	NA	< 0.20	100%	50%	140%	117%	60%	130%	112%	50%	140%
Chloroform	4105558		<0.20	<0.20	NA	< 0.20	100%	50%	140%	110%	60%	130%	109%	50%	140%
1,2-Dichloroethane	4105558		<0.20	<0.20	NA	< 0.20	100%	50%	140%	114%	60%	130%	118%	50%	140%
1,1,1-Trichloroethane	4105558		<0.30	<0.30	NA	< 0.30	96%	50%	140%	110%	60%	130%	98%	50%	140%
Carbon Tetrachloride	4105558		<0.20	<0.20	NA	< 0.20	98%	50%	140%	115%	60%	130%	104%	50%	140%
Benzene	4105558		<0.20	<0.20	NA	< 0.20	99%	50%	140%	119%	60%	130%	113%	50%	140%
1,2-Dichloropropane	4105558		<0.20	<0.20	NA	< 0.20	98%	50%	140%	113%	60%	130%	108%	50%	140%
Trichloroethylene	4105558		<0.20	<0.20	NA	< 0.20	115%	50%	140%	110%	60%	130%	119%	50%	140%
Bromodichloromethane	4105558		<0.20	<0.20	NA	< 0.20	99%	50%	140%	113%	60%	130%	113%	50%	140%
Methyl Isobutyl Ketone	4105558		<1.0	<1.0	NA	< 1.0	98%	50%	140%	109%	50%	140%	117%	50%	140%
1,1,2-Trichloroethane	4105558		<0.20	<0.20	NA	< 0.20	106%	50%	140%	116%	60%	130%	103%	50%	140%
Toluene	4105558		<0.20	<0.20	NA	< 0.20	97%	50%	140%	119%	60%	130%	111%	50%	140%
Dibromochloromethane	4105558		<0.10	<0.10	NA	< 0.10	100%	50%	140%	119%	60%	130%	118%	50%	140%
Ethylene Dibromide	4105558		<0.10	<0.10	NA	< 0.10	100%	50%	140%	116%	60%	130%	118%	50%	140%
Tetrachloroethylene	4105558		<0.20	<0.20	NA	< 0.20	97%	50%	140%	120%	60%	130%	108%	50%	140%
1,1,1,2-Tetrachloroethane	4105558		<0.10	<0.10	NA	< 0.10	98%	50%	140%	115%	60%	130%	107%	50%	140%
Chlorobenzene	4105558		<0.10	<0.10	NA	< 0.10	97%	50%	140%	115%	60%	130%	111%	50%	140%
Ethylbenzene	4105558		<0.10	<0.10	NA	< 0.10	87%	50%	140%	110%	60%	130%	101%	50%	140%
m & p-Xylene	4105558		<0.20	<0.20	NA	< 0.20	93%	50%	140%	114%	60%	130%	109%	50%	140%
Bromoform	4105558		<0.10	<0.10	NA	< 0.10	98%	50%	140%	111%	60%	130%	118%	50%	140%
Styrene	4105558		<0.10	<0.10	NA	< 0.10	80%	50%	140%	98%	60%	130%	96%	50%	140%
1,1,2,2-Tetrachloroethane	4105558		<0.10	<0.10	NA	< 0.10	83%	50%	140%	90%	60%	130%	81%	50%	140%
o-Xylene	4105558		<0.10	<0.10	NA	< 0.10	94%	50%	140%	113%	60%	130%	113%	50%	140%
1,3-Dichlorobenzene	4105558		<0.10	<0.10	NA	< 0.10	98%	50%	140%	109%	60%	130%	106%	50%	140%
1,4-Dichlorobenzene	4105558		<0.10	<0.10	NA	< 0.10	96%	50%	140%	108%	60%	130%	118%	50%	140%
1,2-Dichlorobenzene	4105558		<0.10	<0.10	NA	< 0.10	92%	50%	140%	103%	60%	130%	118%	50%	140%

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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Jul 25, 2022			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
n-Hexane	4105558		<0.20	<0.20	NA	< 0.20	92%	50%	140%	77%	60%	130%	78%	50%	140%
O. Reg. 153(511) - PCBs (Water)															
Polychlorinated Biphenyls	4110275	4110275	< 0.1	< 0.1	NA	< 0.1	101%	50%	140%	100%	50%	140%	82%	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: Dinkal Patel

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Quality Assurance

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AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

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SAMPLING SITE:

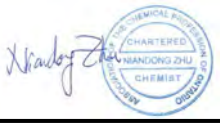
SAMPLED BY:

Water Analysis

RPT Date: Jul 25, 2022			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Water)															
Dissolved Antimony	4099722		<1.0	<1.0	NA	< 1.0	102%	70%	130%	96%	80%	120%	100%	70%	130%
Dissolved Arsenic	4099722		<1.0	<1.0	NA	< 1.0	96%	70%	130%	92%	80%	120%	99%	70%	130%
Dissolved Barium	4099722		89.9	88.1	2.0%	< 2.0	104%	70%	130%	105%	80%	120%	104%	70%	130%
Dissolved Beryllium	4099722		<0.50	<0.50	NA	< 0.50	98%	70%	130%	97%	80%	120%	105%	70%	130%
Dissolved Boron	4099722		128	130	1.6%	< 10.0	97%	70%	130%	102%	80%	120%	102%	70%	130%
Dissolved Cadmium	4099722		<0.20	<0.20	NA	< 0.20	99%	70%	130%	95%	80%	120%	103%	70%	130%
Dissolved Chromium	4099722		2.6	2.5	NA	< 2.0	101%	70%	130%	101%	80%	120%	99%	70%	130%
Dissolved Cobalt	4099722		<0.50	<0.50	NA	< 0.50	96%	70%	130%	101%	80%	120%	97%	70%	130%
Dissolved Copper	4099722		1.1	<1.0	NA	< 1.0	100%	70%	130%	98%	80%	120%	95%	70%	130%
Dissolved Lead	4099722		<0.50	<0.50	NA	< 0.50	99%	70%	130%	92%	80%	120%	91%	70%	130%
Dissolved Molybdenum	4099722		<0.50	<0.50	NA	< 0.50	101%	70%	130%	105%	80%	120%	105%	70%	130%
Dissolved Nickel	4099722		1.6	1.6	NA	< 1.0	97%	70%	130%	100%	80%	120%	97%	70%	130%
Dissolved Selenium	4099722		<1.0	1.5	NA	< 1.0	105%	70%	130%	96%	80%	120%	105%	70%	130%
Dissolved Silver	4099722		<0.20	<0.20	NA	< 0.20	94%	70%	130%	98%	80%	120%	95%	70%	130%
Dissolved Thallium	4099722		<0.30	<0.30	NA	< 0.30	97%	70%	130%	98%	80%	120%	98%	70%	130%
Dissolved Uranium	4099722		0.64	0.64	NA	< 0.50	105%	70%	130%	105%	80%	120%	105%	70%	130%
Dissolved Vanadium	4099722		0.57	0.70	NA	< 0.40	98%	70%	130%	105%	80%	120%	101%	70%	130%
Dissolved Zinc	4099722		8.1	5.7	NA	< 5.0	100%	70%	130%	98%	80%	120%	101%	70%	130%
Mercury	4110272	4110272	<0.02	<0.02	NA	< 0.02	102%	70%	130%	104%	80%	120%	101%	70%	130%
Chromium VI	4110272	4110272	<2.000	<2.000	NA	< 2	101%	70%	130%	102%	80%	120%	108%	70%	130%
Cyanide, WAD	4110272	4110272	<2	<2	NA	< 2	96%	70%	130%	94%	80%	120%	103%	70%	130%
Dissolved Sodium	4099722		5390	5420	0.6%	< 50	96%	70%	130%	97%	80%	120%	94%	70%	130%
Chloride	4099918		121000	120000	0.8%	< 100	101%	70%	130%	100%	80%	120%	104%	70%	130%
Electrical Conductivity	4110250		33000	33300	0.9%	< 2	99%	90%	110%						
pH	4110250		7.30	7.52	3.0%	NA	102%	90%	110%						

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

Certified By:



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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluorene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenanthrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(b)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(k)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dibenz(a,h)anthracene	ORG-91-5114	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroethyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Chlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
o-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroisopropyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
m&p-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dimethylphenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,2,4-Trichlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
p-Chloroaniline	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-and 1-methyl Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P921159
PROJECT: 220509-00
ATTENTION TO: Paul Bandler
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
2,4,6-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,5-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,1'-Biphenyl	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dimethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4 and 2,6-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
Diethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pentachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
3,3'-dichlorobenzidine	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-Ethylhexyl)phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Fluorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
phenol-d6 surrogate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Tribromophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene-d12	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Sediment			
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-C10)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P921159
PROJECT: 220509-00
ATTENTION TO: Paul Bandler
SAMPLING SITE:
SAMPLED BY:

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

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SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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

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AGAT WORK ORDER: 22P921159

PROJECT: 220509-00

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Mercury	MET-93-6100	modified from EPA 245.2 and SM 3112 B	CVAAS
Chromium VI	INOR-93-6073	modified from SM 3500-CR B	LACHAT FIA
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015, SM 4500-CN- I, G-387	TECHNICON AUTO ANALYZER
Dissolved Sodium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP/MS
Chloride	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Electrical Conductivity	INOR-93-6000	SM 2510 B	PC TITRATE
pH	INOR-93-6000	modified from SM 4500-H+ B	PC TITRATE

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

L-T → See attached

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: BluMetric Environmental
Contact:
Address: 4 Cataraqui St, Kingston, ON
Phone: Fax:
Reports to be sent to:
1. Email: sanderson@blumetric.ca
2. Email: pbandler@blumetric.ca

Project Information:

Project: 220509-00
Site Location:
Sampled By:
AGAT Quote #: BluMetric 2022 SO 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: ap@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 7 *Indicate One*
☐ Ind/Com
☒ Res/Park
☐ Agriculture
Soil Texture *(Check One)*
☒ Coarse
☐ Fine

☐ Excess Soils R406
Table *Indicate One*
☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

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

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

Laboratory Use Only

Work Order #: 22P921159
Cooler Quantity: 3 large
Arrival Temperatures: 9.2 | 9.8 | 9.6
Custody Seal Intact: ☐ Yes ☐ No ☒ N/A
Notes: FQ

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: VOC	O. Reg 153: Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	BNAEs	Cholophenols					Potentially Hazardous or High Concentration (Y/N)
~~MW146~~		AM PM	18	GW			☑		☑	☑	☑	☑					☑	☑						
~~MW148~~		AM PM	18	GW			☑		☑	☑	☑	☑					☑	☑						
~~MW149~~		AM PM	18	GW			☑		☑	☑	☑	☑					☑	☑						
~~MW152~~		AM PM	18	GW			☑		☑	☑	☑	☑					☑	☑						
~~MW82~~		AM PM	18	GW			☑		☑	☑	☑	☑					☑	☑						
~~MW136~~		AM PM	18	GW			☑		☑	☑	☑	☑					☑	☑						
MW138	July/14/22	15:17 AM PM	18	GW		Y	☑		☑	☑	☑	☑					☑	☑						
~~MW157~~		AM PM	18	GW			☑		☑	☑	☑	☑					☑	☑						
MW26	July/14/22	12:[illegible] AM PM	18	GW		Y	☑		☑	☑	☑	☑					☑	☑						
MW81	July/14/22	14:08 AM PM	18	GW		Y	☑		☑	☑	☑	☑					☑	☑						
~~MW121~~		AM PM	18	GW			☑		☑	☑	☑	☑					☑	☑						

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Steve Anderson	July/14/22	17:20	Jeff Jones	14 July 22	1950
Randy Jones	July/15/22	1600	Anthony Barbosa		

Page 1 of 3
No:

AGAT Laboratories
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: BluMetric Environmental
Contact:
Address: 4 Cataraqui St, Kingston, ON
Phone: Fax:
Reports to be sent to:
1. Email: sanderson@blumetric.ca
2. Email: pbandler@blumetric.ca

Project Information:

Project: 220509-00
Site Location:
Sampled By:
AGAT Quote #: BluMetric 2022 SO 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: ap@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 2 *Indicate One*
☐ Ind/Com
☒ Res/Park
☐ Agriculture

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

☐ Excess Soils R406
Table *Indicate One*

☐ Regulation 558

☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other
Indicate One

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

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

Laboratory Use Only

Work Order #: 22P921159
Cooler Quantity: 3
Arrival Temperatures: 9.2 | 9.8 | 9.6
Custody Seal Intact: ☐ Yes ☐ No ☑ N/A
Notes: Ice

Turnaround Time (TAT) Required:

Regular TAT ☑ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	PAHs	PCBs	VOC	Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	BNAEs	Cholophenols					Potentially Hazardous or High Concentration (Y/N)
MW130		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW50		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW84		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW128		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW151		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW22		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW25		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW24		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW80		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW156		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
MW78		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Steve Anderson	July 14/22	17:20	Jeff Jones	14/07/22	19:30
Kathy Jones	July 15/22	16:00			

Page 2 of 3
No:

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

Chain of Custody Record

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

Laboratory Use Only

Work Order #: 22P921159
Cooler Quantity: 3
Arrival Temperatures: 9.2 | 9.8 | 9.6
Custody Seal Intact: ☐ Yes ☐ No ☒ N/A
Notes: Ice

Report Information:

Company: BluMetric Environmental
Contact:
Address: 4 Cataraqui St, Kingston, ON
Phone: Fax:
Reports to be sent to:
1. Email: sanderson@blumetric.ca
2. Email: pbandler@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 7 (Indicate One)
☐ Ind/Com
☒ Res/Park
☐ Agriculture
Soil Texture (Check One)
☒ Coarse
☐ Fine

☐ Excess Soils R406
Table (Indicate One)
☐ Regulation 558
☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
(Region)
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
(Indicate One)

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

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

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Project Information:

Project: 220509-00
Site Location:
Sampled By:
AGAT Quote #: BluMetric 2022 SO 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: ap@blumetric.ca

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: VOC	O. Reg 153: Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	BNAEs	Cholophenols					Potentially Hazardous or High Concentration (Y/N)
MW79	07/14/22	9:37 AM PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
MW23	07/14/22	10:41 AM PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
Dup 1		AM PM	18	GW			☑		☑	☑	☑	☑						☑	☑					
Dup 2	07/14/22	10:41 AM PM	18	GW		Y	☑		☑	☑	☑	☑						☑	☑					
Trip Blank	07/07/22	AM PM	3	GW								☑												
		AM PM																						
		AM PM																						
		AM PM																						
		AM PM																						
		AM PM																						
		AM PM																						
		AM PM																						

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
Steve Anderson	July 14/22	17:20	Jeff Jones	14 Jul/22	1950
Pam Jones	July 15/22	1600			

Page 3 of 3
Nº:

AGAT Laboratories

Sample Temperature Log

Client: Blumetric

COC# or Work Order#:

# of Coolers: 3

# of Submissions:

Arrival Temperatures - Branch/Driver

Cooler #1:	22-1	22-2	22-3
Cooler #2:	22-2	22-3	22-4
Cooler #3:	22-1	22-3	22-4
Cooler #4:			
Cooler #5:			
Cooler #6:			
Cooler #7:			
Cooler #8:			
Cooler #9:			
Cooler #10:			

IR Gun ID:

Taken By:

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

Arrival Temperatures - Laboratory

Cooler #1:			
Cooler #2:			
Cooler #3:			
Cooler #4:			
Cooler #5:			
Cooler #6:			
Cooler #7:			
Cooler #8:			
Cooler #9:			
Cooler #10:			

IR Gun ID:

Taken By:

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

Instructions for use of this form: 1) complete all fields of info including total # of coolers and # of submissions, 2) print a copy and place in each submission prior to giving a WO#, 3) Proceed as normal, write the WO# and scan (please make sure to [illegible] (COC)

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

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725
ATTENTION TO: Paul Bandler
PROJECT: 220509
AGAT WORK ORDER: 22P980724
SOIL ANALYSIS REVIEWED BY: Amanjot Bhela, Inorganic Lab Manager
TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist
DATE REPORTED: Dec 23, 2022
PAGES (INCLUDING COVER): 22
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.

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P980724

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

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

DATE RECEIVED: 2022-12-14

DATE REPORTED: 2022-12-23

		SAMPLE DESCRIPTION:		TP231b	TP236a	TP225a	TP231b-dup	TP227a	TP229b	TP230b	TP233a
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-13 13:15	2022-12-13 13:58	2022-12-13 15:50	2022-12-13 13:15	2022-12-14 08:30	2022-12-14 09:35	2022-12-14 10:21	2022-12-14 11:14
Parameter	Unit	G / S	RDL	4622594	4622596	4622599	4622602	4622667	4622682	4622685	4622687
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	5	9	3	5	3	7	2	3
Barium	µg/g	390	2.0	219	138	237	179	42.2	102	20.2	84.4
Beryllium	µg/g	4	0.4	0.5	0.5	0.8	0.5	<0.4	0.6	<0.4	0.5
Boron	µg/g	120	5	13	12	9	11	11	12	8	14
Boron (Hot Water Soluble)	µg/g	1.5	0.10	0.31	0.36	0.13	0.32	<0.10	0.26	<0.10	0.38
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	30	19	35	29	10	21	6	18
Cobalt	µg/g	22	0.5	5.4	6.1	13.6	5.8	3.9	6.3	2.7	6.6
Copper	µg/g	140	1.0	21.8	26.4	24.4	20.9	5.7	19.4	3.3	12.1
Lead	µg/g	120	1	77	39	16	75	6	19	5	15
Molybdenum	µg/g	6.9	0.5	2.8	5.0	0.5	2.4	<0.5	44.8	<0.5	1.0
Nickel	µg/g	100	1	8	12	25	9	3	12	<1	10
Selenium	µg/g	2.4	0.8	1.6	1.7	<0.8	1.0	<0.8	1.1	<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	0.54	0.80	0.71	0.54	<0.50	0.63	<0.50	<0.50
Vanadium	µg/g	86	0.4	22.7	24.4	52.2	22.8	12.6	29.0	6.3	24.7
Zinc	µg/g	340	5	63	70	75	61	13	60	9	41
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	0.21	0.19	<0.10	0.15	<0.10	0.47	<0.10	<0.10
Electrical Conductivity (2:1)	mS/cm	0.7	0.005	0.561	1.39	0.271	0.556	0.220	0.992	0.109	0.267
Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	N/A	0.052	0.019	0.194	0.054	0.102	0.077	0.051	0.039
pH, 2:1 CaCl2 Extraction	pH Units		NA	7.26	6.54	7.70	7.57	7.70	7.56	7.71	7.51

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P980724

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

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

DATE RECEIVED: 2022-12-14

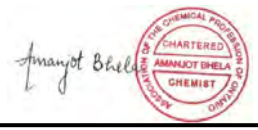
DATE REPORTED: 2022-12-23

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4622594-4622687 EC was determined on the DI water extract obtained from the 2:1 leaching procedure (2 parts DI water:1 part soil). pH was determined on the 0.01M CaCl2 extract prepared at 2:1 ratio. SAR is a calculated parameter.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



AGAT Laboratories

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TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 22P980724

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

Particle Size by Sieve (Wet)

DATE RECEIVED: 2022-12-14

DATE REPORTED: 2022-12-23

				SAMPLE DESCRIPTION:	TP233a
				SAMPLE TYPE:	Soil
				DATE SAMPLED:	2022-12-14 11:14
Parameter	Unit	G / S	RDL	4622687	
Sieve Analysis - 75 µm (retained)	%		NA	41.96	
Sieve Analysis - 75 µm (passing)	%		NA	58.04	
Soil Texture (Toronto)				Fine	

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

4622687 Value reported is the amount of sample passing through or retained on sieve after wash with water and represents proportion by weight particles smaller or larger than indicated sieve size.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P980724

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

O. Reg. 153(511) - BNA (full) + PAHs (Soil)

DATE RECEIVED: 2022-12-14

DATE REPORTED: 2022-12-23

SAMPLE DESCRIPTION:				TP231b	TP236a	TP225a	TP231b-dup	TP227a	TP229b	TP230b	TP233a
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2022-12-13 13:15	2022-12-13 13:58	2022-12-13 15:50	2022-12-13 13:15	2022-12-14 08:30	2022-12-14 09:35	2022-12-14 10:21	2022-12-14 11:14
Parameter	Unit	G / S	RDL	4622594	4622596	4622599	4622602	4622667	4622682	4622685	4622687
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	<0.05	<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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	µg/g	78	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benz(a)anthracene	µg/g	0.5	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	µg/g	7	0.05	<0.05	<0.05	<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	<0.05	<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	<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
Dibenzo(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	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenol	µg/g	9.4	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroethyl)ether	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol	µg/g	1.6	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o-Cresol	µg/g		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroisopropyl)ether	µg/g	0.67	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m & p - Cresol	µg/g		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	µg/g	390	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2,4-Dichlorophenol	µg/g	1.7	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
p-Chloroaniline	µg/g	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1 and 2 Methlynaphthalene	µg/g	0.99	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4,6-Trichlorophenol	µg/g	3.8	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	µg/g	4.4	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Certified By: NPopowkolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P980724

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

O. Reg. 153(511) - BNA (full) + PAHs (Soil)

DATE RECEIVED: 2022-12-14

DATE REPORTED: 2022-12-23

		SAMPLE DESCRIPTION:		TP231b	TP236a	TP225a	TP231b-dup	TP227a	TP229b	TP230b	TP233a
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-13 13:15	2022-12-13 13:58	2022-12-13 15:50	2022-12-13 13:15	2022-12-14 08:30	2022-12-14 09:35	2022-12-14 10:21	2022-12-14 11:14
Parameter	Unit	G / S	RDL	4622594	4622596	4622599	4622602	4622667	4622682	4622685	4622687
1,1-Biphenyl	µg/g	0.31	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dimethyl Phthalate	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4 and 2,6-Dinitrotoluene	µg/g	0.92	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diethyl Phthalate	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	µg/g	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3,3'-Dichlorobenzidine	µg/g		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dinitrophenol	µg/g	38	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Bis(2-Ethylhexyl)phthalate	µg/g	5	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Moisture Content	%		0.1	18.5	25.9	18.6	18.0	9.9	24.2	8.4	17.6
wet weight BNA	g		0.01	10.07	10.43	10.44	10.25	10.54	10.34	10.41	10.40
Surrogate	Unit	Acceptable Limits									
phenol-d6 surrogate	%	50-140		96	87	98	78	77	99	80	93
2-Fluorophenol	%	50-140		89	80	89	80	108	83	101	95
2,4,6-Tribromophenol	%	50-140		86	95	86	95	78	99	78	98
Chrysene-d12	%	50-140		101	105	101	98	90	86	96	75

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4622594-4622687 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.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P980724

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

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

DATE RECEIVED: 2022-12-14

DATE REPORTED: 2022-12-23

				SAMPLE DESCRIPTION:	TP231b	TP236a	TP225a	TP231b-dup	TP227a	TP229b	TP230b	TP233a
				SAMPLE TYPE:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
				DATE SAMPLED:	2022-12-13 13:15	2022-12-13 13:58	2022-12-13 15:50	2022-12-13 13:15	2022-12-14 08:30	2022-12-14 09:35	2022-12-14 10:21	2022-12-14 11:14
Parameter	Unit	G / S	RDL		4622594	4622596	4622599	4622602	4622667	4622682	4622685	4622687
Polychlorinated Biphenyls	µg/g	0.35	0.1		1.12	0.38	<0.1	1.10	<0.1	<0.1	<0.1	<0.1
Moisture Content	%		0.1		18.5	25.9	18.6	18.0	9.9	24.2	8.4	17.6
Surrogate	Unit	Acceptable Limits										
Decachlorobiphenyl	%	50-140			100	84	80	72	88	96	79	92

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4622594-4622687 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: N Popowkolof

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

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AGAT WORK ORDER: 22P980724

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

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

DATE RECEIVED: 2022-12-14

DATE REPORTED: 2022-12-23

				SAMPLE DESCRIPTION:	TP231b	TP236a	TP225a	TP231b-dup	TP227a	TP229b	TP230b	TP233a
				SAMPLE TYPE:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
				DATE SAMPLED:	2022-12-13 13:15	2022-12-13 13:58	2022-12-13 15:50	2022-12-13 13:15	2022-12-14 08:30	2022-12-14 09:35	2022-12-14 10:21	2022-12-14 11:14
Parameter	Unit	G / S	RDL		4622594	4622596	4622599	4622602	4622667	4622682	4622685	4622687
F1 (C6 - C10)	µg/g		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		697	114	112	1090	<50	127	<50	<50
F3 (C16 to C34) minus PAHs	µg/g		50		697	114	112	1090	<50	127	<50	<50
F4 (C34 to C50)	µg/g	2800	50		209	<50	130	282	<50	67	<50	<50
Gravimetric Heavy Hydrocarbons	µg/g	2800	50		NA	NA	NA	NA	NA	NA	NA	NA
Moisture Content	%		0.1		18.5	25.9	18.6	18.0	9.9	24.2	8.4	17.6
Surrogate	Unit	Acceptable Limits										
Toluene-d8	%	50-140			94	89	88	90	91	87	90	91
Terphenyl	%	60-140			93	88	82	88	101	86	75	94

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4622594-4622687 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: NPopowkolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P980724

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

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

DATE RECEIVED: 2022-12-14

DATE REPORTED: 2022-12-23

		SAMPLE DESCRIPTION:		TP231b	TP236a	TP225a	TP231b-dup	TP227a	TP229b	TP230b	TP233a
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-13 13:15	2022-12-13 13:58	2022-12-13 15:50	2022-12-13 13:15	2022-12-14 08:30	2022-12-14 09:35	2022-12-14 10:21	2022-12-14 11:14
Parameter	Unit	G / S	RDL	4622594	4622596	4622599	4622602	4622667	4622682	4622685	4622687
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	3.5	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	3.4	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	13	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	0.32	<0.05	<0.05	0.32	<0.05	0.29	<0.05	<0.05
Dibromochloromethane	ug/g	9.4	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	2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Certified By: NPopowkolof

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22P980724

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

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

DATE RECEIVED: 2022-12-14

DATE REPORTED: 2022-12-23

		SAMPLE DESCRIPTION:		TP231b	TP236a	TP225a	TP231b-dup	TP227a	TP229b	TP230b	TP233a
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-13 13:15	2022-12-13 13:58	2022-12-13 15:50	2022-12-13 13:15	2022-12-14 08:30	2022-12-14 09:35	2022-12-14 10:21	2022-12-14 11:14
Parameter	Unit	G / S	RDL	4622594	4622596	4622599	4622602	4622667	4622682	4622685	4622687
m & p-Xylene	ug/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	ug/g	0.27	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	3.4	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	18.5	25.9	18.6	18.0	9.9	24.2	8.4	17.6
Surrogate	Unit	Acceptable Limits									
Toluene-d8	% Recovery	50-140		94	89	88	90	91	87	90	91
4-Bromofluorobenzene	% Recovery	50-140		102	99	98	100	100	96	105	102

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4622594-4622687 The sample was analyzed using the high level technique. The sample was extracted using methanol, a small amount of the methanol extract was diluted in water and the purge & trap GC/MS analysis was performed. Results are based on the dry weight of the soil.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Exceedance Summary

AGAT WORK ORDER: 22P980724

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4622594	TP231b	ON T7 S RPI CT	O. Reg. 153(511) - PCBs (Soil)	Polychlorinated Biphenyls	µg/g	0.35	1.12
4622594	TP231b	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	F3 (C16 to C34)	µg/g	300	697
4622596	TP236a	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity (2:1)	mS/cm	0.7	1.39
4622596	TP236a	ON T7 S RPI CT	O. Reg. 153(511) - PCBs (Soil)	Polychlorinated Biphenyls	µg/g	0.35	0.38
4622602	TP231b-dup	ON T7 S RPI CT	O. Reg. 153(511) - PCBs (Soil)	Polychlorinated Biphenyls	µg/g	0.35	1.10
4622602	TP231b-dup	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	F3 (C16 to C34)	µg/g	300	1090
4622682	TP229b	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity (2:1)	mS/cm	0.7	0.992
4622682	TP229b	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Mercury	µg/g	0.27	0.47
4622682	TP229b	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Molybdenum	µg/g	6.9	44.8

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P980724
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Belleville Bakelite
SAMPLED BY:M Lloyd

Soil Analysis

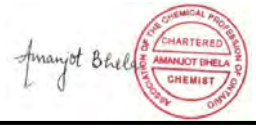
RPT Date: Dec 23, 2022			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Soil)															
Antimony	4622594	4622594	<0.8	<0.8	NA	< 0.8	87%	70%	130%	86%	80%	120%	87%	70%	130%
Arsenic	4622594	4622594	5	5	0.0%	< 1	121%	70%	130%	97%	80%	120%	103%	70%	130%
Barium	4622594	4622594	219	207	5.6%	< 2.0	104%	70%	130%	100%	80%	120%	94%	70%	130%
Beryllium	4622594	4622594	0.5	0.5	NA	< 0.4	120%	70%	130%	101%	80%	120%	102%	70%	130%
Boron	4622594	4622594	13	13	NA	< 5	106%	70%	130%	103%	80%	120%	99%	70%	130%
Boron (Hot Water Soluble)	4625462		<0.10	<0.10	NA	< 0.10	106%	60%	140%	100%	70%	130%	97%	60%	140%
Cadmium	4622594	4622594	<0.5	<0.5	NA	< 0.5	114%	70%	130%	104%	80%	120%	99%	70%	130%
Chromium	4622594	4622594	30	29	3.4%	< 5	103%	70%	130%	97%	80%	120%	98%	70%	130%
Cobalt	4622594	4622594	5.4	5.3	1.9%	< 0.5	109%	70%	130%	103%	80%	120%	101%	70%	130%
Copper	4622594	4622594	21.8	21.0	3.7%	< 1.0	98%	70%	130%	102%	80%	120%	94%	70%	130%
Lead	4622594	4622594	77	74	4.0%	< 1	114%	70%	130%	99%	80%	120%	97%	70%	130%
Molybdenum	4622594	4622594	2.8	2.4	NA	< 0.5	108%	70%	130%	105%	80%	120%	112%	70%	130%
Nickel	4622594	4622594	8	8	0.0%	< 1	106%	70%	130%	101%	80%	120%	97%	70%	130%
Selenium	4622594	4622594	1.6	1.0	NA	< 0.8	102%	70%	130%	106%	80%	120%	110%	70%	130%
Silver	4622594	4622594	<0.5	<0.5	NA	< 0.5	105%	70%	130%	98%	80%	120%	89%	70%	130%
Thallium	4622594	4622594	<0.5	<0.5	NA	< 0.5	122%	70%	130%	105%	80%	120%	106%	70%	130%
Uranium	4622594	4622594	0.54	0.53	NA	< 0.50	130%	70%	130%	102%	80%	120%	113%	70%	130%
Vanadium	4622594	4622594	22.7	22.1	2.7%	< 0.4	114%	70%	130%	100%	80%	120%	103%	70%	130%
Zinc	4622594	4622594	63	61	3.2%	< 5	108%	70%	130%	104%	80%	120%	112%	70%	130%
Chromium, Hexavalent	4622651		<0.2	<0.2	NA	< 0.2	100%	70%	130%	103%	80%	120%	79%	70%	130%
Cyanide, WAD	4625596		<0.040	<0.040	NA	< 0.040	103%	70%	130%	100%	80%	120%	102%	70%	130%
Mercury	4622594	4622594	0.21	0.19	NA	< 0.10	111%	70%	130%	103%	80%	120%	103%	70%	130%
Electrical Conductivity (2:1)	4621905		0.338	0.365	7.7%	< 0.005	109%	80%	120%	NA			NA		
Sodium Adsorption Ratio (2:1) (Calc.)	4621905		0.738	0.714	3.3%	N/A	NA			NA			NA		
pH, 2:1 CaCl2 Extraction	4624992		7.49	7.72	3.0%	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.

Particle Size by Sieve (Wet)															
Sieve Analysis - 75 µm (retained)	4622687	4622687	41.96	40.76	2.9%		98%	70%	130%	NA			NA		
Sieve Analysis - 75 µm (passing)	4622687	4622687	58.04	59.24	2.0%		NA			NA			NA		

Comments: NA Signifies Not Applicable

Certified By:



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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
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TEL (905)712-5100
FAX (905)712-5122
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P980724
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Belleville Bakelite
SAMPLED BY:M Lloyd

Trace Organics Analysis

RPT Date: Dec 23, 2022

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	DUPLICATE Dup #2	DUPLICATE RPD	Method Blank	REFERENCE MATERIAL Measured Value	REFERENCE MATERIAL Acceptable Limits Lower	REFERENCE MATERIAL Acceptable Limits Upper	METHOD BLANK SPIKE Recovery	METHOD BLANK SPIKE Acceptable Limits Lower	METHOD BLANK SPIKE Acceptable Limits Upper	MATRIX SPIKE Recovery	MATRIX SPIKE Acceptable Limits Lower	MATRIX SPIKE Acceptable Limits Upper
O. Reg. 153(511) - BNA (full) + PAHs (Soil)															
Naphthalene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	89%	50%	140%	79%	50%	140%
Acenaphthylene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	85%	50%	140%	85%	50%	140%
Acenaphthene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	84%	50%	140%	84%	50%	140%
Fluorene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	82%	50%	140%	79%	50%	140%	79%	50%	140%
Phenanthrene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Anthracene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	84%	50%	140%	79%	50%	140%	84%	50%	140%
Fluoranthene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	85%	50%	140%	79%	50%	140%
Pyrene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	84%	50%	140%	85%	50%	140%
Benz(a)anthracene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	79%	50%	140%	82%	50%	140%
Chrysene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Benzo(b)fluoranthene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	82%	50%	140%	86%	50%	140%	84%	50%	140%
Benzo(k)fluoranthene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	89%	50%	140%	82%	50%	140%	79%	50%	140%
Benzo(a)pyrene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Indeno(1,2,3-cd)pyrene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	84%	50%	140%	84%	50%	140%	85%	50%	140%
Dibenzo(a,h)anthracene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	79%	50%	140%	60%	50%	140%
Benzo(g,h,i)perylene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	68%	50%	140%	75%	50%	140%
Phenol	4622596	4622596	< 0.5	< 0.5	NA	< 0.5	84%	30%	130%	80%	30%	130%	79%	30%	130%
Bis(2-chloroethyl)ether	4622596	4622596	< 0.1	< 0.1	NA	< 0.1	114%	50%	140%	81%	50%	140%	118%	50%	140%
2-Chlorophenol	4622596	4622596	< 0.1	< 0.1	NA	< 0.1	71%	50%	140%	65%	50%	140%	90%	50%	140%
o-Cresol	4622596	4622596	< 0.1	< 0.1	NA	< 0.1	104%	50%	140%	72%	50%	140%	78%	50%	140%
Bis(2-chloroisopropyl)ether	4622596	4622596	< 0.1	< 0.1	NA	< 0.1	96%	50%	140%	84%	50%	140%	62%	50%	140%
m & p - Cresol	4622596	4622596	< 0.1	< 0.1	NA	< 0.1	104%	50%	140%	87%	50%	140%	103%	50%	140%
2,4-Dimethylphenol	4622596	4622596	< 0.2	< 0.2	NA	< 0.2	75%	30%	130%	66%	30%	130%	60%	30%	130%
2,4-Dichlorophenol	4622596	4622596	< 0.1	< 0.1	NA	< 0.1	75%	50%	140%	104%	50%	140%	96%	50%	140%
1,2,4-Trichlorobenzene	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	93%	50%	140%	68%	50%	140%	68%	50%	140%
p-Chloroaniline	4622596	4622596	< 0.5	< 0.5	NA	< 0.5	96%	30%	130%	78%	30%	130%	67%	30%	130%
2,4,6-Trichlorophenol	4622596	4622596	< 0.1	< 0.1	NA	< 0.1	111%	50%	140%	114%	50%	140%	89%	50%	140%
2,4,5-Trichlorophenol	4622596	4622596	< 0.1	< 0.1	NA	< 0.1	106%	50%	140%	102%	50%	140%	69%	50%	140%
1,1-Biphenyl	4622596	4622596	< 0.05	< 0.05	NA	< 0.05	NA	50%	140%	77%	50%	140%	65%	50%	140%
Dimethyl Phthalate	4622596	4622596	< 0.1	< 0.1	NA	< 0.1	90%	50%	140%	67%	50%	140%	62%	50%	140%
Diethyl Phthalate	4622596	4622596	< 0.1	< 0.1	NA	< 0.1	117%	50%	140%	72%	50%	140%	85%	50%	140%
Pentachlorophenol	4622596	4622596	< 0.1	< 0.1	NA	< 0.1	90%	50%	140%	73%	50%	140%	76%	50%	140%
3,3'-Dichlorobenzidine	4622596	4622596	< 0.5	< 0.5	NA	< 0.5	96%	30%	130%	104%	30%	130%	60%	30%	130%
2,4-Dinitrophenol	4622596	4622596	< 2.0	< 2.0	NA	< 2.0	96%	30%	130%	89%	30%	130%	88%	30%	130%
Bis(2-Ethylhexyl)phthalate	4622596	4622596	< 0.2	< 0.2	NA	< 0.2	99%	50%	140%	63%	50%	140%	65%	50%	140%
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)															
F1 (C6 - C10)	4625469		<5	<5	NA	< 5	140%	60%	140%	137%	60%	140%	73%	60%	140%
F2 (C10 to C16)	4622687	4622687	<10	<10	NA	< 10	104%	60%	140%	121%	60%	140%	117%	60%	140%
F3 (C16 to C34)	4622687	4622687	<50	<50	NA	< 50	107%	60%	140%	111%	60%	140%	110%	60%	140%

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P980724
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Belleville Bakelite
SAMPLED BY:M Lloyd

Trace Organics Analysis (Continued)

RPT Date: Dec 23, 2022

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
F4 (C34 to C50)	4622687	4622687	<50	<50	NA	< 50	93%	60%	140%	106%	60%	140%	130%	60%	140%
O. Reg. 153(511) - PCBs (Soil)															
Polychlorinated Biphenyls	4622594	4622594	1.12	1.0	11.3%	< 0.1	98%	50%	140%	87%	50%	140%	98%	50%	140%
O. Reg. 153(511) - VOCs (with PHC) (Soil)															
Dichlorodifluoromethane	4625469		<0.05	<0.05	NA	< 0.05	107%	50%	140%	104%	50%	140%	111%	50%	140%
Vinyl Chloride	4625469		<0.02	<0.02	NA	< 0.02	93%	50%	140%	119%	50%	140%	113%	50%	140%
Bromomethane	4625469		<0.05	<0.05	NA	< 0.05	90%	50%	140%	102%	50%	140%	90%	50%	140%
Trichlorofluoromethane	4625469		<0.05	<0.05	NA	< 0.05	117%	50%	140%	119%	50%	140%	85%	50%	140%
Acetone	4625469		<0.50	<0.50	NA	< 0.50	101%	50%	140%	119%	50%	140%	99%	50%	140%
1,1-Dichloroethylene	4625469		<0.05	<0.05	NA	< 0.05	104%	50%	140%	115%	60%	130%	89%	50%	140%
Methylene Chloride	4625469		<0.05	<0.05	NA	< 0.05	107%	50%	140%	101%	60%	130%	104%	50%	140%
Trans- 1,2-Dichloroethylene	4625469		<0.05	<0.05	NA	< 0.05	82%	50%	140%	93%	60%	130%	87%	50%	140%
Methyl tert-butyl Ether	4625469		<0.05	<0.05	NA	< 0.05	99%	50%	140%	104%	60%	130%	114%	50%	140%
1,1-Dichloroethane	4625469		<0.02	<0.02	NA	< 0.02	112%	50%	140%	98%	60%	130%	89%	50%	140%
Methyl Ethyl Ketone	4625469		<0.50	<0.50	NA	< 0.50	101%	50%	140%	119%	50%	140%	102%	50%	140%
Cis- 1,2-Dichloroethylene	4625469		<0.02	<0.02	NA	< 0.02	103%	50%	140%	94%	60%	130%	107%	50%	140%
Chloroform	4625469		<0.04	<0.04	NA	< 0.04	114%	50%	140%	109%	60%	130%	113%	50%	140%
1,2-Dichloroethane	4625469		<0.03	<0.03	NA	< 0.03	109%	50%	140%	111%	60%	130%	102%	50%	140%
1,1,1-Trichloroethane	4625469		<0.05	<0.05	NA	< 0.05	113%	50%	140%	111%	60%	130%	108%	50%	140%
Carbon Tetrachloride	4625469		<0.05	<0.05	NA	< 0.05	119%	50%	140%	98%	60%	130%	105%	50%	140%
Benzene	4625469		<0.02	<0.02	NA	< 0.02	102%	50%	140%	98%	60%	130%	87%	50%	140%
1,2-Dichloropropane	4625469		<0.03	<0.03	NA	< 0.03	104%	50%	140%	101%	60%	130%	96%	50%	140%
Trichloroethylene	4625469		0.41	0.40	1.3%	< 0.03	102%	50%	140%	100%	60%	130%	100%	50%	140%
Bromodichloromethane	4625469		<0.05	<0.05	NA	< 0.05	109%	50%	140%	91%	60%	130%	117%	50%	140%
Methyl Isobutyl Ketone	4625469		<0.50	<0.50	NA	< 0.50	95%	50%	140%	82%	50%	140%	98%	50%	140%
1,1,2-Trichloroethane	4625469		<0.04	<0.04	NA	< 0.04	93%	50%	140%	93%	60%	130%	72%	50%	140%
Toluene	4625469		<0.05	<0.05	NA	< 0.05	94%	50%	140%	90%	60%	130%	76%	50%	140%
Dibromochloromethane	4625469		<0.05	<0.05	NA	< 0.05	89%	50%	140%	93%	60%	130%	78%	50%	140%
Ethylene Dibromide	4625469		<0.04	<0.04	NA	< 0.04	83%	50%	140%	90%	60%	130%	70%	50%	140%
Tetrachloroethylene	4625469		<0.05	<0.05	NA	< 0.05	98%	50%	140%	102%	60%	130%	88%	50%	140%
1,1,1,2-Tetrachloroethane	4625469		<0.04	<0.04	NA	< 0.04	90%	50%	140%	91%	60%	130%	73%	50%	140%
Chlorobenzene	4625469		<0.05	<0.05	NA	< 0.05	102%	50%	140%	95%	60%	130%	83%	50%	140%
Ethylbenzene	4625469		<0.05	<0.05	NA	< 0.05	82%	50%	140%	76%	60%	130%	100%	50%	140%
m & p-Xylene	4625469		<0.05	<0.05	NA	< 0.05	85%	50%	140%	77%	60%	130%	104%	50%	140%
Bromoform	4625469		<0.05	<0.05	NA	< 0.05	86%	50%	140%	90%	60%	130%	71%	50%	140%
Styrene	4625469		<0.05	<0.05	NA	< 0.05	77%	50%	140%	72%	60%	130%	77%	50%	140%
1,1,2,2-Tetrachloroethane	4625469		<0.05	<0.05	NA	< 0.05	114%	50%	140%	95%	60%	130%	97%	50%	140%
o-Xylene	4625469		<0.05	<0.05	NA	< 0.05	84%	50%	140%	81%	60%	130%	88%	50%	140%

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P980724

PROJECT: 220509
ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite
SAMPLED BY:M Lloyd

Trace Organics Analysis (Continued)

RPT Date: Dec 23, 2022			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,3-Dichlorobenzene	4625469		<0.05	<0.05	NA	< 0.05	93%	50%	140%	91%	60%	130%	79%	50%	140%
1,4-Dichlorobenzene	4625469		<0.05	<0.05	NA	< 0.05	93%	50%	140%	92%	60%	130%	80%	50%	140%
1,2-Dichlorobenzene	4625469		<0.05	<0.05	NA	< 0.05	90%	50%	140%	87%	60%	130%	78%	50%	140%
n-Hexane	4625469		<0.05	<0.05	NA	< 0.05	96%	50%	140%	88%	60%	130%	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: N Popowkolof

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: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P980724

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

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	TECHNICON AUTO ANALYZER
Mercury	MET-93-6103	modified from EPA 7471B and SM 3112 B	ICP-MS
Electrical Conductivity (2:1)	INOR-93-6075	modified from MSA PART 3, CH 14 and SM 2510 B	PC TITRATE
Sodium Adsorption Ratio (2:1) (Calc.)	INOR-93-6007	modified from EPA 6010D & Analytical Protocol	ICP/OES
pH, 2:1 CaCl2 Extraction	INOR-93-6075	modified from EPA 9045D, MCKEAGUE 3.11 E3137	PC TITRATE
Sieve Analysis - 75 µm (retained)	INOR-93-6065	ASTM D1140	SIEVE
Sieve Analysis - 75 µm (passing)	INOR-93-6065	ASTM D1140	SIEVE

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P980724

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluorene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenanthrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benz(a)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(b)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(k)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dibenzo(a,h)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(g,h,i)perylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroethyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Chlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
o-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroisopropyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
m & p - Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dimethylphenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,2,4-Trichlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
p-Chloroaniline	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1 and 2 Methlynaphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P980724
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Belleville Bakelite
SAMPLED BY:M Lloyd

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
2,4,6-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,5-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,1-Biphenyl	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dimethyl Phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4 and 2,6-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
Diethyl Phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pentachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
3,3'-Dichlorobenzidine	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-Ethylhexyl)phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
phenol-d6 surrogate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Fluorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Tribromophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene-d12	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
wet weight BNA	ORG-91-5114		BALANCE
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 - C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
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

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P980724

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P980724

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:M Lloyd

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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

AGAT Laboratories

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

Chain of Custody Record

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

Laboratory Use Only

Work Order #: 22P980724

Cooler Quantity: 2

Arrival Temperatures: 9.7 | 9.2 | 8.3

Custody Seal Intact: ☐ Yes ☐ No ☐ N/A

Notes: Ice

Report Information:

Company: Blumetric Environmental Inc
Contact: Paul Bandler
Address: 41 Cataraqui street
Kingston
Phone: 613 453 5496 Fax:
Reports to be sent to:
1. Email: pbandler@blumetric.ca
2. Email: mlloyd@blumetric.ca

Project Information:

Project: 220509
Site Location: Belleville Bakelite
Sampled By: ML
AGAT Quote #: 74714 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: ap@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04
Table 7 (Indicate One)
☐ Ind/Com
☑ Res/Park
☐ Agriculture

Soil Texture (Check One)
☑ Coarse
☐ Fine

☐ Excess Soils R406
Table (Indicate One)

☐ Regulation 558

☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
(Region)

☐ Prov. Water Quality Objectives (PWQO)

☐ Other
(Indicate One)

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

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

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: VOC	O. Reg 153: Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	CP's, ABNs					Hold	Potentially Hazardous or High Concentration (Y/N)
TP 231a	22-12-13	13:10 AM PM																					✓	
TP 231b		13:15 AM PM					✓		✓	✓	✓	✓						✓						
TP 231c		13:20 AM PM																					✓	
TP 236a		13:58 AM PM					✓		✓	✓	✓	✓						✓						
TP 236b		14:11 AM PM																					✓	
TP 236c		14:20 AM PM																					✓	
TP 225a		15:50 AM PM					✓		✓	✓	✓	✓						✓						
TP 225b		15:57 AM PM																					✓	
TP 225c		16:08 AM PM																					✓	
TP 231b-dup	↓	13:15 AM PM					✓		✓	✓	✓	✓						✓						
TP 227a	22-12-14	8:30 AM PM					✓		✓	✓	✓	✓						✓						

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
M Lloyd	22-12-14	15:00	Kathy Jones	Dec 14/22	1500
	Dec 14/22	1600	Zaid	Dec 15/22	9:10 AM

Page 1 of 2

N°: T - 142306

Document ID: DW-78-1511-022

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

Date Issued: March 21, 2022

AGAT Laboratories
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: Blumetric Environmental Inc.
Contact: Paul Bandler
Address: 4 Cataraqui Street Kingston
Phone: 613 453 5496 Fax:
Reports to be sent to:
1. Email: pbandler@blumetric.ca
2. Email: mlloyd@blumetric.ca

Project Information:

Project: 220509
Site Location: Belleville Bakelite
Sampled By: ML
AGAT Quote #: 147248 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: ap@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04
Table 7 (Indicate One)
☐ Ind/Com
☑ Res/Park
☐ Agriculture
Soil Texture (Check One)
☑ Coarse
☐ Fine

☐ Excess Soils R406
Table ____ (Indicate One)
☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

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

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

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Laboratory Use Only

Work Order #: 22P980724
Cooler Quantity: 2
Arrival Temperatures: 7.6 | 9.1 | 9.3
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: Ice

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	BTEX, F1-F4 PHCs	PAHs	PCBs	VOC	Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	CPs, ABNs	pH, sieve			Hold	Potentially Hazardous or High Concentration (Y/N)
TP 227b	22-12-14	8:35 AM PM	5	Soil																		✓	
TP 229a	↓	9:30 AM PM	5	↓																		✓	
TP 229b		9:35 AM PM	5				✓	X	✓	✓	✓	✓						✓					
TP 229c		9:40 AM PM	5				X															✓	
TP 230a		10:15 AM PM	5																			✓	
TP 230b		10:21 AM PM	5				✓	X	✓	✓	✓	✓						✓					
TP 230c		10:27 AM PM	5																			✓	
TP 233a		11:14 AM PM	6				✓	X	✓	✓	✓	✓						✓	✓				
TP 233b	↓	11:20 AM PM	5	↓																		✓	
		AM PM																					
		AM PM																					

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
M Lloyd	22-12-14	15:00	Kayla Jones	Dec 14/22	1500
M Lloyd	Dec 14/22	1600	Zaid Samo	Dec 15/22	9:10AM

Page 2 of 2
N°: T - 142307

Document ID: DW-78-1511.022

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Date Issued: April 21, 2022

AGAT Laboratories

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

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725

ATTENTION TO: Paul Bandler

PROJECT: 220509

AGAT WORK ORDER: 22P983244

SOIL ANALYSIS REVIEWED BY: Amanjot Bhela, Inorganic Lab Manager

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

DATE REPORTED: Jan 09, 2023

PAGES (INCLUDING COVER): 25

VERSION*: 1

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

*Notes

Disclaimer:

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

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

Certificate of Analysis

AGAT WORK ORDER: 22P983244

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-09

		SAMPLE DESCRIPTION:		BH219 SS2	BH224 SS2	BH211 SS1	BH211 SS3	BH212 SS1	BH212 SS4
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-15	2022-12-15	2022-12-15	2022-12-15	2022-12-15	2022-12-15
Parameter	Unit	G / S	RDL	4643388	4643397	4643399	4643400	4643402	4643404
Antimony	µg/g	7.5	0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Arsenic	µg/g	18	1	3	3	5	2	2	3
Barium	µg/g	390	2.0	138	50.7	46.1	53.1	71.9	31.7
Beryllium	µg/g	4	0.4	0.8	<0.4	<0.4	<0.4	<0.4	<0.4
Boron	µg/g	120	5	9	8	13	6	9	10
Boron (Hot Water Soluble)	µg/g	1.5	0.10	0.19	<0.10	0.14	0.18	0.33	0.63
Cadmium	µg/g	1.2	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	µg/g	160	5	28	13	15	14	8	10
Cobalt	µg/g	22	0.5	9.5	5.7	5.4	11.4	3.5	4.1
Copper	µg/g	140	1.0	15.3	9.5	8.1	10.3	6.7	7.4
Lead	µg/g	120	1	16	8	10	9	16	15
Molybdenum	µg/g	6.9	0.5	<0.5	<0.5	0.5	<0.5	<0.5	1.0
Nickel	µg/g	100	1	19	11	13	23	11	9
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	0.57	<0.50	<0.50	0.53	<0.50	0.55
Vanadium	µg/g	86	0.4	34.7	20.7	16.2	21.4	4.8	11.0
Zinc	µg/g	340	5	45	20	18	25	12	19
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	0.11	<0.10	<0.10	<0.10	<0.10	<0.10
Electrical Conductivity (2:1)	mS/cm	0.7	0.005	0.259	0.220	0.637	0.374	0.208	0.367
Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	N/A	0.061	0.121	0.062	0.327	0.114	0.170
pH, 2:1 CaCl2 Extraction	pH Units		NA	7.60	7.60	7.67	7.62	7.48	7.43

Certified By:

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

Certificate of Analysis

AGAT WORK ORDER: 22P983244

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-09

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4643388-4643397 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.

4643399-4643400 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.
Cyanide analysis was performed beyond recommended hold time.

4643402-4643404 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:

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

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AGAT WORK ORDER: 22P983244

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

Formaldehyde (Soil)

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-09

		SAMPLE DESCRIPTION:		BH211 SS1	BH211 SS3	BH212 SS1	BH212 SS4
		SAMPLE TYPE:		Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-15	2022-12-15	2022-12-15	2022-12-15
Parameter	Unit	G / S	RDL	4643399	4643400	4643402	4643404
Formaldehyde	mg/Kg		0.5	<0.5	4.3	<0.5	<0.5
Surrogate	Unit	Acceptable Limits					
2,3,5,6-Tetrafluorobenzaldehyde	%	40-140		48	68	42	58

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

4643399-4643404 A higher LDR indicates that a dilution was performed to reduce analyte concentration or reduce matrix interference.

Analysis performed at AGAT Montréal (unless marked by *)

Certified By: NPopowkolof

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

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AGAT WORK ORDER: 22P983244

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

O. Reg. 153(511) - BNA (full) + PAHs (Soil)

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-09

		SAMPLE DESCRIPTION:		BH219 SS2	BH211 SS1	BH211 SS3	BH212 SS1	BH212 SS4
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-15	2022-12-15	2022-12-15	2022-12-15	2022-12-15
Parameter	Unit	G / S	RDL	4643388	4643399	4643400	4643402	4643404
Naphthalene	µg/g	0.6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	µg/g	0.15	0.05	<0.05	0.08	<0.05	<0.05	<0.05
Acenaphthene	µg/g	7.9	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
Phenanthrene	µg/g	6.2	0.05	<0.05	0.92	<0.05	<0.05	<0.05
Anthracene	µg/g	0.67	0.05	<0.05	0.31	<0.05	<0.05	<0.05
Fluoranthene	µg/g	0.69	0.05	<0.05	2.29	<0.05	<0.05	<0.05
Pyrene	µg/g	78	0.05	<0.05	1.98	<0.05	<0.05	<0.05
Benz(a)anthracene	µg/g	0.5	0.05	<0.05	1.04	<0.05	<0.05	<0.05
Chrysene	µg/g	7	0.05	<0.05	0.95	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/g	0.78	0.05	<0.05	2.00	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	µg/g	0.78	0.05	<0.05	1.10	<0.05	<0.05	<0.05
Benzo(a)pyrene	µg/g	0.3	0.05	<0.05	1.20	<0.05	<0.05	<0.05
Indeno(1,2,3-cd)pyrene	µg/g	0.38	0.05	<0.05	0.55	<0.05	<0.05	<0.05
Dibenzo(a,h)anthracene	µg/g	0.1	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	0.50	<0.05	<0.05	<0.05
Phenol	µg/g	9.4	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroethyl)ether	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol	µg/g	1.6	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o-Cresol	µg/g		0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroisopropyl)ether	µg/g	0.67	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m & p - Cresol	µg/g		0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	µg/g	390	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2,4-Dichlorophenol	µg/g	1.7	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05
p-Chloroaniline	µg/g	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1 and 2 Methlynaphthalene	µg/g	0.99	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4,6-Trichlorophenol	µg/g	3.8	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	µg/g	4.4	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Biphenyl	µg/g	0.31	0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Certified By: NPopowkolof

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

Certificate of Analysis

AGAT WORK ORDER: 22P983244

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

O. Reg. 153(511) - BNA (full) + PAHs (Soil)

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-09

		SAMPLE DESCRIPTION:		BH219 SS2	BH211 SS1	BH211 SS3	BH212 SS1	BH212 SS4
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-15	2022-12-15	2022-12-15	2022-12-15	2022-12-15
Parameter	Unit	G / S	RDL	4643388	4643399	4643400	4643402	4643404
Dimethyl Phthalate	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4 and 2,6-Dinitrotoluene	µg/g	0.92	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diethyl Phthalate	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	µg/g	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3,3'-Dichlorobenzidine	µg/g		0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dinitrophenol	µg/g	38	2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Bis(2-Ethylhexyl)phthalate	µg/g	5	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Moisture Content	%		0.1	17.8	8.4	14.8	6.4	12.0
wet weight BNA	g		0.01	10.59	10.84	10.26	10.08	10.90
Surrogate	Unit	Acceptable Limits						
phenol-d6 surrogate	%	50-140		90	86	90	98	75
2-Fluorophenol	%	50-140		93	77	74	72	82
2,4,6-Tribromophenol	%	50-140		97	104	82	80	90
Chrysene-d12	%	50-140		98	80	105	77	88

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4643388-4643404 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.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: NPopowkoff

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P983244

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-09

		SAMPLE DESCRIPTION:		BH224 SS2
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2022-12-15
Parameter	Unit	G / S	RDL	4643397
Naphthalene	µg/g	0.6	0.05	<0.05
Acenaphthylene	µg/g	0.15	0.05	<0.05
Acenaphthene	µg/g	7.9	0.05	<0.05
Fluorene	µg/g	62	0.05	<0.05
Phenanthrene	µg/g	6.2	0.05	<0.05
Anthracene	µg/g	0.67	0.05	<0.05
Fluoranthene	µg/g	0.69	0.05	<0.05
Pyrene	µg/g	78	0.05	<0.05
Benz(a)anthracene	µg/g	0.5	0.05	<0.05
Chrysene	µg/g	7	0.05	<0.05
Benzo(b)fluoranthene	µg/g	0.78	0.05	<0.05
Benzo(k)fluoranthene	µg/g	0.78	0.05	<0.05
Benzo(a)pyrene	µg/g	0.3	0.05	<0.05
Indeno(1,2,3-cd)pyrene	µg/g	0.38	0.05	<0.05
Dibenz(a,h)anthracene	µg/g	0.1	0.05	<0.05
Benzo(g,h,i)perylene	µg/g	6.6	0.05	<0.05
1 and 2 Methlynaphthalene	µg/g	0.99	0.05	<0.05
Moisture Content	%		0.1	12.0
Surrogate	Unit	Acceptable Limits		
Naphthalene-d8	%	50-140		95
Acridine-d9	%	50-140		95
Terphenyl-d14	%	50-140		110

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4643397 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: NPopowkolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P983244

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-09

		SAMPLE DESCRIPTION:		BH224 SS2	BH211 SS1	BH211 SS3	BH212 SS1	BH212 SS4
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-15	2022-12-15	2022-12-15	2022-12-15	2022-12-15
Parameter	Unit	G / S	RDL	4643397	4643399	4643400	4643402	4643404
Polychlorinated Biphenyls	µg/g	0.35	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Moisture Content	%		0.1	12.0	8.4	14.8	6.4	12.0
Surrogate	Unit	Acceptable Limits						
Decachlorobiphenyl	%	50-140		88	76	96	100	96

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4643397-4643404 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: N Popnikolof

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
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TEL (905)712-5100
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Certificate of Analysis

AGAT WORK ORDER: 22P983244

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-09

		SAMPLE DESCRIPTION:		BH219 SS2	BH211 SS1	BH211 SS3	BH212 SS1	BH212 SS4
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-15	2022-12-15	2022-12-15	2022-12-15	2022-12-15
Parameter	Unit	G / S	RDL	4643388	4643399	4643400	4643402	4643404
F1 (C6 - C10)	µg/g		5	<5	17	<5	8	<5
F1 (C6 to C10) minus BTEX	µg/g	55	5	<5	9	<5	7	<5
F2 (C10 to C16)	µg/g	98	10	<10	<10	<10	<10	<10
F2 (C10 to C16) minus Naphthalene	µg/g		10	<10	<10	<10	<10	<10
F3 (C16 to C34)	µg/g	300	50	<50	<50	<50	<50	<50
F3 (C16 to C34) minus PAHs	µg/g		50	<50	<50	<50	<50	<50
F4 (C34 to C50)	µg/g	2800	50	<50	<50	<50	<50	<50
Gravimetric Heavy Hydrocarbons	µg/g	2800	50	NA	NA	NA	NA	NA
Moisture Content	%		0.1	17.8	8.4	14.8	6.4	12.0
Surrogate	Unit	Acceptable Limits						
Toluene-d8	%	50-140		58	98	58	98	67
Terphenyl	%	60-140		87	69	90	75	94

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4643388-4643404 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: NPopowkolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P983244

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-09

		SAMPLE DESCRIPTION:		BH224 SS2
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2022-12-15
Parameter	Unit	G / S	RDL	4643397
Benzene	µg/g	0.21	0.02	<0.02
Toluene	µg/g	2.3	0.05	<0.05
Ethylbenzene	µg/g	2	0.05	<0.05
m & p-Xylene	µg/g		0.05	<0.05
o-Xylene	µg/g		0.05	<0.05
Xylenes (Total)	µg/g	3.1	0.05	<0.05
F1 (C6 - C10)	µg/g		5	<5
F1 (C6 to C10) minus BTEX	µg/g	55	5	<5
F2 (C10 to C16)	µg/g	98	10	<10
F2 (C10 to C16) minus Naphthalene	µg/g		10	<10
F3 (C16 to C34)	µg/g	300	50	<50
F3 (C16 to C34) minus PAHs	µg/g		50	<50
F4 (C34 to C50)	µg/g	2800	50	<50
Gravimetric Heavy Hydrocarbons	µg/g	2800	50	NA
Moisture Content	%		0.1	12.0
Surrogate	Unit	Acceptable Limits		
Toluene-d8	% Recovery	60-140		94
Terphenyl	%	60-140		89

Certified By: NPopowkolof

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AGAT WORK ORDER: 22P983244

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-09

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4643397 Results are based on sample dry weight.
The C6-C10 fraction is calculated using toluene response factor.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

Analysis performed at AGAT Toronto (unless marked by *)

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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AGAT WORK ORDER: 22P983244

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-09

		SAMPLE DESCRIPTION:		BH219 SS2	BH211 SS1	BH211 SS3	BH212 SS1	BH212 SS4
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-15	2022-12-15	2022-12-15	2022-12-15	2022-12-15
Parameter	Unit	G / S	RDL	4643388	4643399	4643400	4643402	4643404
Dichlorodifluoromethane	µg/g	16	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
Bromomethane	ug/g	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
Acetone	ug/g	16	0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	ug/g	0.1	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
Methyl tert-butyl Ether	ug/g	0.75	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	ug/g	3.5	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methyl Ethyl Ketone	ug/g	16	0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Cis- 1,2-Dichloroethylene	ug/g	3.4	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chloroform	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dichloroethane	ug/g	0.05	0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,1,1-Trichloroethane	ug/g	0.38	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
Benzene	ug/g	0.21	0.02	<0.02	0.54	<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
Trichloroethylene	ug/g	0.061	0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Bromodichloromethane	ug/g	13	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
1,1,2-Trichloroethane	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Toluene	ug/g	2.3	0.05	<0.05	2.10	<0.05	0.38	<0.05
Dibromochloromethane	ug/g	9.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylene Dibromide	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Tetrachloroethylene	ug/g	0.28	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
Chlorobenzene	ug/g	2.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	2	0.05	<0.05	0.60	<0.05	<0.05	<0.05
m & p-Xylene	ug/g		0.05	<0.05	3.05	<0.05	0.48	<0.05

Certified By: NPopowkolof

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22P983244

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-09

		SAMPLE DESCRIPTION:		BH219 SS2	BH211 SS1	BH211 SS3	BH212 SS1	BH212 SS4
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-15	2022-12-15	2022-12-15	2022-12-15	2022-12-15
Parameter	Unit	G / S	RDL	4643388	4643399	4643400	4643402	4643404
Bromoform	ug/g	0.27	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
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	ug/g		0.05	<0.05	1.93	<0.05	0.27	<0.05
1,3-Dichlorobenzene	ug/g	4.8	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
1,2-Dichlorobenzene	ug/g	3.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	ug/g	3.1	0.05	<0.05	4.98	<0.05	0.75	<0.05
1,3-Dichloropropene (Cis + Trans)	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
n-Hexane	µg/g	2.8	0.05	<0.05	0.60	<0.05	<0.05	<0.05
Moisture Content	%		0.1	17.8	8.4	14.8	6.4	12.0
Surrogate	Unit	Acceptable Limits						
Toluene-d8	% Recovery	50-140		58	98	58	98	67
4-Bromofluorobenzene	% Recovery	50-140		105	102	90	99	102

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4643388-4643404 The sample was analyzed using the high level technique. The sample was extracted using methanol, a small amount of the methanol extract was diluted in water and the purge & trap GC/MS analysis was performed. Results are based on the dry weight of the soil.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popowkolof

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983244
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Belleville Bakelite
SAMPLED BY:MC

Soil Analysis

RPT Date: Jan 09, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Soil)															
Antimony	4640396		<0.8	<0.8	NA	< 0.8	118%	70%	130%	88%	80%	120%	88%	70%	130%
Arsenic	4640396		2	2	NA	< 1	118%	70%	130%	103%	80%	120%	105%	70%	130%
Barium	4640396		50.0	48.5	3.0%	< 2.0	102%	70%	130%	98%	80%	120%	94%	70%	130%
Beryllium	4640396		<0.4	<0.4	NA	< 0.4	96%	70%	130%	96%	80%	120%	97%	70%	130%
Boron	4640396		7	7	NA	< 5	77%	70%	130%	97%	80%	120%	97%	70%	130%
Boron (Hot Water Soluble)	4638982		0.17	0.17	NA	< 0.10	90%	60%	140%	102%	70%	130%	101%	60%	140%
Cadmium	4640396		<0.5	<0.5	NA	< 0.5	85%	70%	130%	106%	80%	120%	105%	70%	130%
Chromium	4640396		14	13	NA	< 5	99%	70%	130%	112%	80%	120%	109%	70%	130%
Cobalt	4640396		5.3	5.0	5.8%	< 0.5	117%	70%	130%	109%	80%	120%	108%	70%	130%
Copper	4640396		8.3	7.9	4.9%	< 1.0	102%	70%	130%	109%	80%	120%	96%	70%	130%
Lead	4640396		16	15	6.5%	< 1	118%	70%	130%	110%	80%	120%	103%	70%	130%
Molybdenum	4640396		2.4	2.3	NA	< 0.5	116%	70%	130%	114%	80%	120%	116%	70%	130%
Nickel	4640396		8	8	0.0%	< 1	112%	70%	130%	109%	80%	120%	105%	70%	130%
Selenium	4640396		<0.8	<0.8	NA	< 0.8	118%	70%	130%	110%	80%	120%	110%	70%	130%
Silver	4640396		<0.5	<0.5	NA	< 0.5	102%	70%	130%	102%	80%	120%	96%	70%	130%
Thallium	4640396		<0.5	<0.5	NA	< 0.5	110%	70%	130%	109%	80%	120%	112%	70%	130%
Uranium	4640396		<0.50	<0.50	NA	< 0.50	128%	70%	130%	112%	80%	120%	119%	70%	130%
Vanadium	4640396		24.5	23.6	3.7%	< 0.4	109%	70%	130%	110%	80%	120%	108%	70%	130%
Zinc	4640396		41	40	2.5%	< 5	111%	70%	130%	113%	80%	120%	112%	70%	130%
Chromium, Hexavalent	4634391		<0.2	<0.2	NA	< 0.2	104%	70%	130%	101%	80%	120%	86%	70%	130%
Cyanide, WAD	4634391		< 0.040	< 0.040	NA	< 0.040	92%	70%	130%	92%	80%	120%	109%	70%	130%
Mercury	4640396		<0.10	<0.10	NA	< 0.10	123%	70%	130%	107%	80%	120%	106%	70%	130%
Electrical Conductivity (2:1)	4638982		0.282	0.305	7.8%	< 0.005	115%	80%	120%	NA			NA		
Sodium Adsorption Ratio (2:1) (Calc.)	4638982		0.320	0.326	1.9%	N/A	NA			NA			NA		
pH, 2:1 CaCl2 Extraction	4634391		7.47	7.59	1.6%	NA	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)															
pH, 2:1 CaCl2 Extraction	4643404	4643404	7.43	7.66	3%		98%	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)															
pH, 2:1 CaCl2 Extraction	4648666		7.31	7.38	1%		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.

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P983244

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

Soil Analysis (Continued)

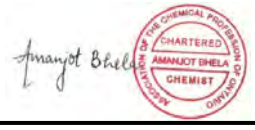
RPT Date: Jan 09, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Soil)															
Antimony	4648703		<0.8	<0.8	NA	< 0.8	101%	70%	130%	85%	80%	120%	71%	70%	130%
Arsenic	4648703		2	2	NA	< 1	122%	70%	130%	103%	80%	120%	119%	70%	130%
Barium	4648703		58.5	58.1	0.7%	< 2.0	108%	70%	130%	101%	80%	120%	103%	70%	130%
Beryllium	4648703		<0.4	<0.4	NA	< 0.4	110%	70%	130%	99%	80%	120%	102%	70%	130%
Boron	4648703		9	8	NA	< 5	102%	70%	130%	108%	80%	120%	106%	70%	130%
Boron (Hot Water Soluble)	4647553		0.16	0.16	NA	< 0.10	94%	60%	140%	95%	70%	130%	92%	60%	140%
Cadmium	4648703		<0.5	<0.5	NA	< 0.5	83%	70%	130%	105%	80%	120%	105%	70%	130%
Chromium	4648703		13	13	NA	< 5	119%	70%	130%	111%	80%	120%	117%	70%	130%
Cobalt	4648703		4.7	4.6	2.2%	< 0.5	119%	70%	130%	110%	80%	120%	109%	70%	130%
Copper	4648703		8.7	8.8	1.1%	< 1.0	104%	70%	130%	109%	80%	120%	129%	70%	130%
Lead	4648703		4	4	NA	< 1	110%	70%	130%	108%	80%	120%	101%	70%	130%
Molybdenum	4648703		<0.5	<0.5	NA	< 0.5	115%	70%	130%	113%	80%	120%	107%	70%	130%
Nickel	4648703		11	10	9.5%	< 1	117%	70%	130%	108%	80%	120%	103%	70%	130%
Selenium	4648703		<0.8	<0.8	NA	< 0.8	101%	70%	130%	103%	80%	120%	110%	70%	130%
Silver	4648703		<0.5	<0.5	NA	< 0.5	112%	70%	130%	116%	80%	120%	91%	70%	130%
Thallium	4648703		<0.5	<0.5	NA	< 0.5	117%	70%	130%	105%	80%	120%	100%	70%	130%
Uranium	4648703		0.58	0.58	NA	< 0.50	119%	70%	130%	104%	80%	120%	113%	70%	130%
Vanadium	4648703		22.1	22.5	1.8%	< 0.4	128%	70%	130%	108%	80%	120%	116%	70%	130%
Zinc	4648703		25	23	NA	< 5	113%	70%	130%	110%	80%	120%	98%	70%	130%
Chromium, Hexavalent	4650899		<0.2	<0.2	NA	< 0.2	93%	70%	130%	97%	80%	120%	72%	70%	130%
Cyanide, WAD	4643402	4643402	< 0.040	< 0.040	NA	< 0.040	97%	70%	130%	108%	80%	120%	105%	70%	130%
Mercury	4648703		<0.10	<0.10	NA	< 0.10	124%	70%	130%	99%	80%	120%	101%	70%	130%
Electrical Conductivity (2:1)	4647553		0.941	1.09	14.7%	< 0.005	112%	80%	120%	NA			NA		
Sodium Adsorption Ratio (2:1) (Calc.)	4647553		1.38	1.39	0.7%	N/A	NA			NA			NA		
pH, 2:1 CaCl2 Extraction	4648666		7.31	7.38	1.0%	NA	99%	80%	120%						

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

O. Reg. 153(511) - Metals & Inorganics (Soil)															
pH, 2:1 CaCl2 Extraction	4643402	4643402	7.48	7.47	0.2%		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.

Certified By:



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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983244
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Belleville Bakelite
SAMPLED BY:MC

Trace Organics Analysis

RPT Date: Jan 09, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)															
F1 (C6 - C10)	4636102		<5	<5	NA	< 5	98%	60%	140%	86%	60%	140%	80%	60%	140%
F2 (C10 to C16)	4643399		< 10	< 10	NA	< 10	100%	60%	140%	112%	60%	140%	109%	60%	140%
F3 (C16 to C34)	4643399		< 50	< 50	NA	< 50	105%	60%	140%	105%	60%	140%	127%	60%	140%
F4 (C34 to C50)	4643399		< 50	< 50	NA	< 50	80%	60%	140%	100%	60%	140%	127%	60%	140%
O. Reg. 153(511) - BNA (full) + PAHs (Soil)															
Naphthalene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	89%	50%	140%	79%	50%	140%
Acenaphthylene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	85%	50%	140%	85%	50%	140%
Acenaphthene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	84%	50%	140%	84%	50%	140%
Fluorene	4600978		< 0.05	< 0.05	NA	< 0.05	82%	50%	140%	79%	50%	140%	79%	50%	140%
Phenanthrene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Anthracene	4600978		< 0.05	< 0.05	NA	< 0.05	84%	50%	140%	79%	50%	140%	84%	50%	140%
Fluoranthene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	85%	50%	140%	79%	50%	140%
Pyrene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	84%	50%	140%	85%	50%	140%
Benz(a)anthracene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	79%	50%	140%	82%	50%	140%
Chrysene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Benzo(b)fluoranthene	4600978		< 0.05	< 0.05	NA	< 0.05	82%	50%	140%	86%	50%	140%	84%	50%	140%
Benzo(k)fluoranthene	4600978		< 0.05	< 0.05	NA	< 0.05	89%	50%	140%	82%	50%	140%	79%	50%	140%
Benzo(a)pyrene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Indeno(1,2,3-cd)pyrene	4600978		< 0.05	< 0.05	NA	< 0.05	84%	50%	140%	84%	50%	140%	85%	50%	140%
Dibenzo(a,h)anthracene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	79%	50%	140%	60%	50%	140%
Benzo(g,h,i)perylene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	68%	50%	140%	75%	50%	140%
Phenol	4600978		< 0.5	< 0.5	NA	< 0.5	84%	30%	130%	80%	30%	130%	79%	30%	130%
Bis(2-chloroethyl)ether	4600978		< 0.1	< 0.1	NA	< 0.1	114%	50%	140%	81%	50%	140%	118%	50%	140%
2-Chlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	71%	50%	140%	65%	50%	140%	90%	50%	140%
o-Cresol	4600978		< 0.1	< 0.1	NA	< 0.1	104%	50%	140%	72%	50%	140%	78%	50%	140%
Bis(2-chloroisopropyl)ether	4600978		< 0.1	< 0.1	NA	< 0.1	96%	50%	140%	84%	50%	140%	62%	50%	140%
m & p - Cresol	4600978		< 0.1	< 0.1	NA	< 0.1	104%	50%	140%	87%	50%	140%	103%	50%	140%
2,4-Dimethylphenol	4600978		< 0.2	< 0.2	NA	< 0.2	75%	30%	130%	66%	30%	130%	60%	30%	130%
2,4-Dichlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	75%	50%	140%	104%	50%	140%	96%	50%	140%
1,2,4-Trichlorobenzene	4600978		< 0.05	< 0.05	NA	< 0.05	93%	50%	140%	68%	50%	140%	68%	50%	140%
p-Chloroaniline	4600978		< 0.5	< 0.5	NA	< 0.5	96%	30%	130%	78%	30%	130%	67%	30%	130%
2,4,6-Trichlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	111%	50%	140%	114%	50%	140%	89%	50%	140%
2,4,5-Trichlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	106%	50%	140%	102%	50%	140%	69%	50%	140%
1,1-Biphenyl	4600978		< 0.05	< 0.05	NA	< 0.05	NA	50%	140%	77%	50%	140%	65%	50%	140%
Dimethyl Phthalate	4600978		< 0.1	< 0.1	NA	< 0.1	90%	50%	140%	67%	50%	140%	62%	50%	140%
Diethyl Phthalate	4600978		< 0.1	< 0.1	NA	< 0.1	117%	50%	140%	72%	50%	140%	85%	50%	140%
Pentachlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	90%	50%	140%	73%	50%	140%	76%	50%	140%
3,3'-Dichlorobenzidine	4600978		< 0.5	< 0.5	NA	< 0.5	96%	30%	130%	104%	30%	130%	60%	30%	130%
2,4-Dinitrophenol	4600978		< 2.0	< 2.0	NA	< 2.0	96%	30%	130%	89%	30%	130%	88%	30%	130%

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983244
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Belleville Bakelite
SAMPLED BY:MC

Trace Organics Analysis (Continued)

RPT Date: Jan 09, 2023

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
Bis(2-Ethylhexyl)phthalate	4600978		< 0.2	< 0.2	NA	< 0.2	99%	50%	140%	63%	50%	140%	65%	50%	140%
O. Reg. 153(511) - VOCs (with PHC) (Soil)															
Dichlorodifluoromethane	4636102		<0.05	<0.05	NA	< 0.05	86%	50%	140%	108%	50%	140%	96%	50%	140%
Vinyl Chloride	4636102		<0.02	<0.02	NA	< 0.02	88%	50%	140%	107%	50%	140%	113%	50%	140%
Bromomethane	4636102		<0.05	<0.05	NA	< 0.05	107%	50%	140%	99%	50%	140%	83%	50%	140%
Trichlorofluoromethane	4636102		<0.05	<0.05	NA	< 0.05	81%	50%	140%	115%	50%	140%	114%	50%	140%
Acetone	4636102		<0.50	<0.50	NA	< 0.50	106%	50%	140%	95%	50%	140%	109%	50%	140%
1,1-Dichloroethylene	4636102		<0.05	<0.05	NA	< 0.05	102%	50%	140%	114%	60%	130%	97%	50%	140%
Methylene Chloride	4636102		<0.05	<0.05	NA	< 0.05	99%	50%	140%	83%	60%	130%	88%	50%	140%
Trans- 1,2-Dichloroethylene	4636102		<0.05	<0.05	NA	< 0.05	111%	50%	140%	101%	60%	130%	100%	50%	140%
Methyl tert-butyl Ether	4636102		<0.05	<0.05	NA	< 0.05	113%	50%	140%	100%	60%	130%	103%	50%	140%
1,1-Dichloroethane	4636102		<0.02	<0.02	NA	< 0.02	120%	50%	140%	90%	60%	130%	98%	50%	140%
Methyl Ethyl Ketone	4636102		<0.50	<0.50	NA	< 0.50	99%	50%	140%	97%	50%	140%	103%	50%	140%
Cis- 1,2-Dichloroethylene	4636102		<0.02	<0.02	NA	< 0.02	119%	50%	140%	104%	60%	130%	97%	50%	140%
Chloroform	4636102		<0.04	<0.04	NA	< 0.04	95%	50%	140%	120%	60%	130%	95%	50%	140%
1,2-Dichloroethane	4636102		<0.03	<0.03	NA	< 0.03	101%	50%	140%	101%	60%	130%	97%	50%	140%
1,1,1-Trichloroethane	4636102		<0.05	<0.05	NA	< 0.05	116%	50%	140%	103%	60%	130%	93%	50%	140%
Carbon Tetrachloride	4636102		<0.05	<0.05	NA	< 0.05	102%	50%	140%	95%	60%	130%	97%	50%	140%
Benzene	4636102		<0.02	<0.02	NA	< 0.02	119%	50%	140%	115%	60%	130%	107%	50%	140%
1,2-Dichloropropane	4636102		<0.03	<0.03	NA	< 0.03	101%	50%	140%	115%	60%	130%	84%	50%	140%
Trichloroethylene	4636102		<0.03	<0.03	NA	< 0.03	112%	50%	140%	98%	60%	130%	110%	50%	140%
Bromodichloromethane	4636102		<0.05	<0.05	NA	< 0.05	100%	50%	140%	93%	60%	130%	105%	50%	140%
Methyl Isobutyl Ketone	4636102		<0.50	<0.50	NA	< 0.50	108%	50%	140%	77%	50%	140%	92%	50%	140%
1,1,2-Trichloroethane	4636102		<0.04	<0.04	NA	< 0.04	81%	50%	140%	99%	60%	130%	81%	50%	140%
Toluene	4636102		<0.05	<0.05	NA	< 0.05	73%	50%	140%	98%	60%	130%	92%	50%	140%
Dibromochloromethane	4636102		<0.05	<0.05	NA	< 0.05	96%	50%	140%	118%	60%	130%	91%	50%	140%
Ethylene Dibromide	4636102		<0.04	<0.04	NA	< 0.04	81%	50%	140%	95%	60%	130%	74%	50%	140%
Tetrachloroethylene	4636102		<0.05	<0.05	NA	< 0.05	84%	50%	140%	96%	60%	130%	102%	50%	140%
1,1,1,2-Tetrachloroethane	4636102		<0.04	<0.04	NA	< 0.04	87%	50%	140%	108%	60%	130%	98%	50%	140%
Chlorobenzene	4636102		<0.05	<0.05	NA	< 0.05	89%	50%	140%	113%	60%	130%	102%	50%	140%
Ethylbenzene	4636102		<0.05	<0.05	NA	< 0.05	72%	50%	140%	87%	60%	130%	82%	50%	140%
m & p-Xylene	4636102		<0.05	<0.05	NA	< 0.05	91%	50%	140%	89%	60%	130%	87%	50%	140%
Bromoform	4636102		<0.05	<0.05	NA	< 0.05	95%	50%	140%	113%	60%	130%	88%	50%	140%
Styrene	4636102		<0.05	<0.05	NA	< 0.05	78%	50%	140%	92%	60%	130%	76%	50%	140%
1,1,2,2-Tetrachloroethane	4636102		<0.05	<0.05	NA	< 0.05	102%	50%	140%	103%	60%	130%	91%	50%	140%
o-Xylene	4636102		<0.05	<0.05	NA	< 0.05	71%	50%	140%	95%	60%	130%	88%	50%	140%
1,3-Dichlorobenzene	4636102		<0.05	<0.05	NA	< 0.05	89%	50%	140%	109%	60%	130%	99%	50%	140%
1,4-Dichlorobenzene	4636102		<0.05	<0.05	NA	< 0.05	93%	50%	140%	110%	60%	130%	100%	50%	140%
1,2-Dichlorobenzene	4636102		<0.05	<0.05	NA	< 0.05	87%	50%	140%	109%	60%	130%	94%	50%	140%

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983244
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Belleville Bakelite
SAMPLED BY:MC

Trace Organics Analysis (Continued)

RPT Date: Jan 09, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
n-Hexane	4636102		<0.05	<0.05	NA	< 0.05	92%	50%	140%	112%	60%	130%	76%	50%	140%
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs) (Soil)															
Benzene	4637267		<0.02	<0.02	NA	< 0.02	98%	60%	140%	83%	60%	140%	97%	60%	140%
Toluene	4637267		<0.05	<0.05	NA	< 0.05	100%	60%	140%	87%	60%	140%	89%	60%	140%
Ethylbenzene	4637267		<0.05	<0.05	NA	< 0.05	101%	60%	140%	87%	60%	140%	88%	60%	140%
m & p-Xylene	4637267		<0.05	<0.05	NA	< 0.05	101%	60%	140%	104%	60%	140%	110%	60%	140%
o-Xylene	4637267		<0.05	<0.05	NA	< 0.05	103%	60%	140%	89%	60%	140%	85%	60%	140%
F1 (C6 - C10)	4637267		<5	<5	NA	< 5	90%	60%	140%	81%	60%	140%	79%	60%	140%
O. Reg. 153(511) - PCBs (Soil)															
Polychlorinated Biphenyls	4634373		< 0.1	< 0.1	NA	< 0.1	92%	50%	140%	85%	50%	140%	90%	50%	140%
Formaldehyde (Soil)															
Formaldehyde		NA	NA	NA	0.0%	< 0.5	NA	70%	130%	87%	70%	130%	NA	70%	130%
2,3,5,6-Tetrafluorobenzaldehyde		NA	NA	NA	0.0%	80	NA	40%	140%	93%	40%	140%	NA	40%	140%

Comments: NA: Not applicable

NA in Duplicate Deviation indicates that the deviation could not be calculated because one or both results are < 5x LDR.

NA in Percent Recovery of Fortified Sample indicates that the result is not provided due to sample heterogeneity or too high concentration relative to spike.

NA in fortified blank or MRC indicates that it is not required by the procedure.

Formaldehyde (Soil)															
Formaldehyde		NA	NA	NA	0.0%	< 0.5	NA	70%	130%	95%	70%	130%	NA	70%	130%
2,3,5,6-Tetrafluorobenzaldehyde		NA	NA	NA	0.0%	101	NA	40%	140%	102%	40%	140%	NA	40%	140%

Comments: NA: Not applicable

NA in Duplicate Deviation indicates that the deviation could not be calculated because one or both results are < 5x LDR.

NA in Percent Recovery of Fortified Sample indicates that the result is not provided due to sample heterogeneity or too high concentration relative to spike.

NA in fortified blank or MRC indicates that it is not required by the procedure.

Certified By: N Popowkolof

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

Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P983244

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

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	TECHNICON AUTO ANALYZER
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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P983244

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Formaldehyde	ORG-100-5126F	Standard Methods 6252B; MA. 400 - HCHO 1.0	GC/MS
2,3,5,6-Tetrafluorobenzaldehyde	ORG-100-5126F	Standard Methods 6252B	GC/MS
Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluorene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenanthrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benz(a)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(b)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(k)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dibenzo(a,h)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(g,h,i)perylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroethyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Chlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
o-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroisopropyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
m & p - Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dimethylphenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,2,4-Trichlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
p-Chloroaniline	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983244
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Belleville Bakelite
SAMPLED BY:MC

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
1 and 2 Methlynaphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
2,4,6-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,5-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,1-Biphenyl	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dimethyl Phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4 and 2,6-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
Diethyl Phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pentachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
3,3'-Dichlorobenzidine	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-Ethylhexyl)phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
phenol-d6 surrogate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Fluorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Tribromophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene-d12	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
wet weight BNA	ORG-91-5114		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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983244
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Belleville Bakelite
SAMPLED BY:MC

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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
1 and 2 Methlynaphthalene	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 - C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983244
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Belleville Bakelite
SAMPLED BY:MC

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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P983244

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Belleville Bakelite

SAMPLED BY:MC

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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

AGAT Laboratories
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: BluMetric Environmental Inc.
Contact: Paul Bandler
Address: 4 Cataraqui St. Kingston
Phone: 613 453 5496 Fax:
Reports to be sent to:
1. Email: pbandler@blumetric.ca
2. Email: mlloyd@blumetric.ca

Project Information:

Project: 220509
Site Location: Belleville Bakelite
Sampled By: MC
AGAT Quote #: 747248 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: ape@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04
Table 7 *Indicate One*
☐ Ind/Com
☑ Res/Park
☐ Agriculture
Soil Texture *(Check One)*
☑ Coarse
☐ Fine

☐ Excess Soils R406
Table *Indicate One*
☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

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

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

Laboratory Use Only

Work Order #: 22P483244
Cooler Quantity: 1
Arrival Temperatures: 8.1 | 8.2 | 8.1 (4.5 | 4.6 | 4.1)
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: Ice

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC Y/N	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: VOC	O. Reg 153: Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	Formaldehyde	CPs, ABNs	Dioxins/Furans	pH, SAR/EC	Hold	Potentially Hazardous or High Concentration (Y/N)
BH219 SS2	22-12-15	AM PM	6	Soil			✓		✓	✓		✓							✓	✓			
BH219 SS4	22-12-15	AM PM	5																			✓	
BH224 SS2	22-12-15	AM PM	5				✓		✓	✓	✓										✓		
BH224 SS4	22-12-15	AM PM	5																			✓	
BH211 SS1	22-12-16	AM PM	6																			✓	
BH211 SS3	22-12-16	AM PM	6				✓		✓	✓	✓	✓						✓	✓				
BH212 SS1	22-12-16	AM PM	5																			✓	
BH212 SS4	22-12-16	AM PM	6				✓		✓	✓	✓	✓						✓	✓				
		AM PM																					
		AM PM																					
		AM PM																					

	Date	Time		Date	Time	
Samples Relinquished By (Print Name and Sign): M Lloyd	22-12-19	6:00 am	Samples Received By (Print Name and Sign): JLH Jones	19Dec22	900	
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign): Zaid	Dec 22/22	9:45AM	Page 1 of 1
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time	N°: T - 142313

Document ID: DIV-78-1511.022

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

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

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725

ATTENTION TO: Paul Bandler

PROJECT: 220509

AGAT WORK ORDER: 22P983391

SOIL ANALYSIS REVIEWED BY: Amanjot Bhela, Inorganic Lab Manager

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

DATE REPORTED: Jan 16, 2023

PAGES (INCLUDING COVER): 35

VERSION*: 2

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

*Notes

VERSION 2:V2 issued 2023-01-16. Complete report with additional analyses requested. Supersedes previous version.(LB)
V1 issued 2023-01-05. Partial report excluding Formaldehyde. (LB)

Disclaimer:

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

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

SAMPLE DESCRIPTION:				BH207 SS1	BH205 SS1	BH235 SS1	BH235 SS2	BH215 SS1		BH232 SS1
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil		Soil
DATE SAMPLED:				2022-12-22 09:35	2022-12-22 11:30	2022-12-22 13:29	2022-12-22 13:38	2022-12-22 14:48		2022-12-22 08:30
Parameter	Unit	G / S	RDL	4650899	4650903	4650906	4650913	4650915	RDL	4650916
Antimony	µg/g	7.5	0.8	7.4	<0.8	<0.8	<0.8	<0.8	0.8	13.9
Arsenic	µg/g	18	1	7	3	27	4	2	1	6
Barium	µg/g	390	2.0	110	21.5	104	51.2	136	2.0	177
Beryllium	µg/g	4	0.4	0.4	<0.4	0.5	<0.4	<0.4	0.4	0.4
Boron	µg/g	120	5	18	<5	16	11	7	5	15
Boron (Hot Water Soluble)	µg/g	1.5	0.10	0.54	0.27	0.22	0.43	0.15	0.10	0.36
Cadmium	µg/g	1.2	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5
Chromium	µg/g	160	5	15	8	21	14	7	5	22
Cobalt	µg/g	22	0.5	8.4	3.1	4.6	4.4	2.1	0.5	6.3
Copper	µg/g	140	1.0	23.8	7.3	20.0	6.2	3.7	1.0	110
Lead	µg/g	120	1	18	5	12	10	15	1	47
Molybdenum	µg/g	6.9	0.5	22.9	<0.5	3.5	0.9	0.8	5	241
Nickel	µg/g	100	1	13	5	13	9	4	1	21
Selenium	µg/g	2.4	0.8	<0.8	<0.8	<0.8	0.9	<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
Thallium	µg/g	1	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5
Uranium	µg/g	23	0.50	0.50	0.71	<0.50	<0.50	<0.50	0.50	<0.50
Vanadium	µg/g	86	0.4	28.6	16.5	17.4	15.7	7.6	0.4	25.5
Zinc	µg/g	340	5	40	14	61	24	9	5	194
Chromium, Hexavalent	µg/g	8	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
Mercury	µg/g	0.27	0.10	0.20	<0.10	0.10	<0.10	<0.10	0.10	1.44
Electrical Conductivity (2:1)	mS/cm	0.7	0.005	0.689	0.258	0.179	0.707	0.189	0.005	0.184
Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	N/A	0.114	0.102	0.081	0.159	0.168	N/A	0.227
pH, 2:1 CaCl2 Extraction	pH Units		NA	7.69	7.45	7.80	7.65	7.70	NA	7.18

Certified By:

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

Certificate of Analysis

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

		SAMPLE DESCRIPTION:		BH232 SS2	BH228 SS1	BH228 SS3	BH217 SS1	BH234 SS4
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-22 08:35	2022-12-22 11:30	2022-12-22 11:45	2022-12-22 13:45	2022-12-22
Parameter	Unit	G / S	RDL	4650919	4650926	4650928	4650930	4651008
Antimony	µg/g	7.5	0.8	8.4	<0.8	<0.8	<0.8	<0.8
Arsenic	µg/g	18	1	5	3	3	2	2
Barium	µg/g	390	2.0	115	88.3	54.5	32.5	28.2
Beryllium	µg/g	4	0.4	0.5	0.6	<0.4	<0.4	<0.4
Boron	µg/g	120	5	16	16	10	10	12
Boron (Hot Water Soluble)	µg/g	1.5	0.10	0.36	0.42	0.49	0.14	<0.10
Cadmium	µg/g	1.2	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	µg/g	160	5	23	23	12	9	8
Cobalt	µg/g	22	0.5	6.2	5.7	3.7	3.2	2.5
Copper	µg/g	140	1.0	65.0	14.4	9.4	5.4	4.1
Lead	µg/g	120	1	35	35	31	9	7
Molybdenum	µg/g	6.9	0.5	180	14.5	5.0	1.4	3.6
Nickel	µg/g	100	1	17	13	12	7	8
Selenium	µg/g	2.4	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
Thallium	µg/g	1	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	µg/g	23	0.50	<0.50	0.51	<0.50	<0.50	0.59
Vanadium	µg/g	86	0.4	24.2	26.3	15.0	12.1	7.0
Zinc	µg/g	340	5	125	46	24	14	8
Chromium, Hexavalent	µg/g	8	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
Mercury	µg/g	0.27	0.10	0.82	<0.10	<0.10	<0.10	<0.10
Electrical Conductivity (2:1)	mS/cm	0.7	0.005	0.708	1.31	0.222	0.719	0.180
Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	N/A	0.324	0.578	0.204	0.274	0.170
pH, 2:1 CaCl2 Extraction	pH Units		NA	7.45	7.42	7.53	8.24	7.94

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

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AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

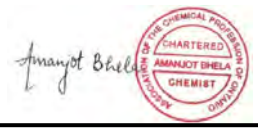
DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

Comments:	RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.
4650899-4650915	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.
4650916	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. Cyanide analysis was performed beyond recommended hold time. Dilution required, RDL has been increased accordingly.
4650919-4650926	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.
4650928	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. Cyanide analysis was performed beyond recommended hold time.
4650930	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.
4651008	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. Cyanide analysis was performed beyond recommended hold time.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

Formaldehyde (Soil)

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

				SAMPLE DESCRIPTION:	BH207 SS1	BH215 SS1
				SAMPLE TYPE:	Soil	Soil
				DATE SAMPLED:	2022-12-22 09:35	2022-12-22 14:48
Parameter	Unit	G / S	RDL		4650899	4650915
Formaldehyde	mg/Kg		0.5		<0.5	<0.5
Surrogate	Unit	Acceptable Limits				
2,3,5,6-Tetrafluorobenzaldehyde	%	40-140			51	43

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

4650899-4650915 A higher LDR indicates that a dilution was performed to reduce analyte concentration or reduce matrix interference.

Analysis performed at AGAT Montréal (unless marked by *)

Certified By: NPopowkolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

O. Reg. 153(511) - BNA (full) + PAHs (Soil)

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

SAMPLE DESCRIPTION:				BH214 SS2	BH214 SS3	BH207 SS1	BH205 SS1	BH235 SS1	BH235 SS2	BH215 SS1	BH232 SS2
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2022-12-22 07:57	2022-12-22 08:20	2022-12-22 09:35	2022-12-22 11:30	2022-12-22 13:29	2022-12-22 13:38	2022-12-22 14:48	2022-12-22 08:35
Parameter	Unit	G / S	RDL	4650888	4650891	4650899	4650903	4650906	4650913	4650915	4650919
Naphthalene	µg/g	0.6	0.05	<0.05	0.11	0.08	<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	0.31	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	µg/g	62	0.05	<0.05	0.57	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	µg/g	6.2	0.05	<0.05	4.06	0.08	<0.05	<0.05	<0.05	0.07	0.10
Anthracene	µg/g	0.67	0.05	<0.05	1.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	µg/g	0.69	0.05	<0.05	4.32	0.09	<0.05	<0.05	0.07	0.11	0.12
Pyrene	µg/g	78	0.05	<0.05	3.54	0.08	<0.05	<0.05	0.06	0.10	0.10
Benz(a)anthracene	µg/g	0.5	0.05	<0.05	1.74	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	µg/g	7	0.05	<0.05	1.74	<0.05	<0.05	<0.05	<0.05	0.06	<0.05
Benzo(b)fluoranthene	µg/g	0.78	0.05	<0.05	2.48	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	µg/g	0.78	0.05	<0.05	1.32	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	µg/g	0.3	0.05	<0.05	1.57	<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	0.59	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenzo(a,h)anthracene	µg/g	0.1	0.05	<0.05	0.13	<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	0.54	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenol	µg/g	9.4	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroethyl)ether	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol	µg/g	1.6	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o-Cresol	µg/g		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroisopropyl)ether	µg/g	0.67	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m & p - Cresol	µg/g		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	µg/g	390	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2,4-Dichlorophenol	µg/g	1.7	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
p-Chloroaniline	µg/g	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1 and 2 Methlynaphthalene	µg/g	0.99	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4,6-Trichlorophenol	µg/g	3.8	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	µg/g	4.4	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Certified By: NPopowkoff

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

Certificate of Analysis

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

O. Reg. 153(511) - BNA (full) + PAHs (Soil)

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

		SAMPLE DESCRIPTION:		BH214 SS2	BH214 SS3	BH207 SS1	BH205 SS1	BH235 SS1	BH235 SS2	BH215 SS1	BH232 SS2
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-22 07:57	2022-12-22 08:20	2022-12-22 09:35	2022-12-22 11:30	2022-12-22 13:29	2022-12-22 13:38	2022-12-22 14:48	2022-12-22 08:35
Parameter	Unit	G / S	RDL	4650888	4650891	4650899	4650903	4650906	4650913	4650915	4650919
1,1-Biphenyl	µg/g	0.31	0.05	<0.05	<0.05	0.98	<0.05	<0.05	<0.05	<0.05	<0.05
Dimethyl Phthalate	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4 and 2,6-Dinitrotoluene	µg/g	0.92	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diethyl Phthalate	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	µg/g	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3,3'-Dichlorobenzidine	µg/g		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dinitrophenol	µg/g	38	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Bis(2-Ethylhexyl)phthalate	µg/g	5	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Moisture Content	%		0.1	12.8	15.5	12.8	18.2	17.0	16.9	8.4	14.1
wet weight BNA	g		0.01	10.63	10.74	10.42	10.40	10.65	10.05	10.36	10.30
Surrogate	Unit	Acceptable Limits									
phenol-d6 surrogate	%	50-140		110	77	65	70	106	98	83	98
2-Fluorophenol	%	50-140		96	61	68	96	78	74	92	82
2,4,6-Tribromophenol	%	50-140		67	77	75	97	70	88	74	105
Chrysene-d12	%	50-140		108	63	99	88	80	89	78	96

Certified By: NPopowkolof

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

O. Reg. 153(511) - BNA (full) + PAHs (Soil)

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

SAMPLE DESCRIPTION:				BH228 SS1	BH217 SS1	BH223 SS1	BH223 SS1-DUP	BH234 SS4
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2022-12-22 11:30	2022-12-22 13:45	2022-12-22 15:55	2022-12-22 15:55	2022-12-22
Parameter	Unit	G / S	RDL	4650926	4650930	4650940	4650968	4651008
Naphthalene	µg/g	0.6	0.05	<0.05	<0.05	5.23	5.26	<0.05
Acenaphthylene	µg/g	0.15	0.05	<0.05	<0.05	0.48	0.53	<0.05
Acenaphthene	µg/g	7.9	0.05	<0.05	<0.05	9.51	9.97	<0.05
Fluorene	µg/g	62	0.05	<0.05	<0.05	13.0	9.53	<0.05
Phenanthrene	µg/g	6.2	0.05	<0.05	<0.05	95.5	66.8	<0.05
Anthracene	µg/g	0.67	0.05	<0.05	<0.05	22.3	21.3	<0.05
Fluoranthene	µg/g	0.69	0.05	0.09	0.09	105	90.7	<0.05
Pyrene	µg/g	78	0.05	0.08	0.09	94.7	73.3	<0.05
Benz(a)anthracene	µg/g	0.5	0.05	<0.05	<0.05	36.0	24.0	<0.05
Chrysene	µg/g	7	0.05	<0.05	<0.05	38.0	27.9	<0.05
Benzo(b)fluoranthene	µg/g	0.78	0.05	<0.05	<0.05	54.6	35.9	<0.05
Benzo(k)fluoranthene	µg/g	0.78	0.05	<0.05	<0.05	20.2	20.9	<0.05
Benzo(a)pyrene	µg/g	0.3	0.05	<0.05	<0.05	27.8	22.8	<0.05
Indeno(1,2,3-cd)pyrene	µg/g	0.38	0.05	<0.05	<0.05	10.9	11.8	<0.05
Dibenzo(a,h)anthracene	µg/g	0.1	0.05	<0.05	<0.05	1.72	2.41	<0.05
Benzo(g,h,i)perylene	µg/g	6.6	0.05	<0.05	<0.05	10.4	11.8	<0.05
Phenol	µg/g	9.4	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroethyl)ether	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol	µg/g	1.6	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o-Cresol	µg/g		0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroisopropyl)ether	µg/g	0.67	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m & p - Cresol	µg/g		0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	µg/g	390	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2,4-Dichlorophenol	µg/g	1.7	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05
p-Chloroaniline	µg/g	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1 and 2 Methlynaphthalene	µg/g	0.99	0.05	<0.05	<0.05	4.07	3.11	<0.05
2,4,6-Trichlorophenol	µg/g	3.8	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	µg/g	4.4	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Certified By: N Popowkolof

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

O. Reg. 153(511) - BNA (full) + PAHs (Soil)

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

SAMPLE DESCRIPTION:				BH228 SS1	BH217 SS1	BH223 SS1	BH223 SS1-DUP	BH234 SS4
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2022-12-22 11:30	2022-12-22 13:45	2022-12-22 15:55	2022-12-22 15:55	2022-12-22
Parameter	Unit	G / S	RDL	4650926	4650930	4650940	4650968	4651008
1,1-Biphenyl	µg/g	0.31	0.05	<0.05	<0.05	0.62	0.55	<0.05
Dimethyl Phthalate	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4 and 2,6-Dinitrotoluene	µg/g	0.92	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diethyl Phthalate	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	µg/g	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3,3'-Dichlorobenzidine	µg/g		0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dinitrophenol	µg/g	38	2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Bis(2-Ethylhexyl)phthalate	µg/g	5	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Moisture Content	%		0.1	29.8	12.7	24.9	24.6	12.0
wet weight BNA	g		0.01	10.58	10.67	10.80	10.17	10.70
Surrogate	Unit	Acceptable Limits						
phenol-d6 surrogate	%	50-140		105	105	78	87	78
2-Fluorophenol	%	50-140		98	98	80	80	77
2,4,6-Tribromophenol	%	50-140		88	88	88	88	70
Chrysene-d12	%	50-140		70	75	78	99	66

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4650888-4651008 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.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popowkolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

		SAMPLE DESCRIPTION:		BH216 SS1
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2022-12-22 15:05
Parameter	Unit	G / S	RDL	4650939
Naphthalene	µg/g	0.6	0.05	0.82
Acenaphthylene	µg/g	0.15	0.05	0.36
Acenaphthene	µg/g	7.9	0.05	2.23
Fluorene	µg/g	62	0.05	2.88
Phenanthrene	µg/g	6.2	0.05	29.1
Anthracene	µg/g	0.67	0.05	5.84
Fluoranthene	µg/g	0.69	0.05	41.2
Pyrene	µg/g	78	0.05	36.8
Benz(a)anthracene	µg/g	0.5	0.05	12.9
Chrysene	µg/g	7	0.05	10.9
Benzo(b)fluoranthene	µg/g	0.78	0.05	11.9
Benzo(k)fluoranthene	µg/g	0.78	0.05	5.08
Benzo(a)pyrene	µg/g	0.3	0.05	10.3
Indeno(1,2,3-cd)pyrene	µg/g	0.38	0.05	6.14
Dibenz(a,h)anthracene	µg/g	0.1	0.05	1.29
Benzo(g,h,i)perylene	µg/g	6.6	0.05	7.14
1 and 2 Methlynaphthalene	µg/g	0.99	0.05	1.07
Moisture Content	%		0.1	10.9
Surrogate	Unit	Acceptable Limits		
Naphthalene-d8	%	50-140		91
Acridine-d9	%	50-140		104
Terphenyl-d14	%	50-140		101

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4650939 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: NPopowkoff

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

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AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

				SAMPLE DESCRIPTION:	BH207 SS1	BH205 SS1	BH235 SS1	BH235 SS2	BH215 SS1	BH232 SS2	BH228 SS1	BH217 SS1
				SAMPLE TYPE:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
				DATE SAMPLED:	2022-12-22 09:35	2022-12-22 11:30	2022-12-22 13:29	2022-12-22 13:38	2022-12-22 14:48	2022-12-22 08:35	2022-12-22 11:30	2022-12-22 13:45
Parameter	Unit	G / S	RDL		4650899	4650903	4650906	4650913	4650915	4650919	4650926	4650930
Polychlorinated Biphenyls	µg/g	0.35	0.1		1.57	<0.1	<0.1	<0.1	<0.1	0.64	<0.1	<0.1
Moisture Content	%		0.1		12.8	18.2	17.0	16.9	8.4	14.1	29.8	12.7
Surrogate	Unit	Acceptable Limits										
Decachlorobiphenyl	%	50-140			80	100	96	92	72	72	92	80

				SAMPLE DESCRIPTION:	BH216 SS1	BH223 SS1	BH223 SS1-DUP	BH234 SS4
				SAMPLE TYPE:	Soil	Soil	Soil	Soil
				DATE SAMPLED:	2022-12-22 15:05	2022-12-22 15:55	2022-12-22 15:55	2022-12-22
Parameter	Unit	G / S	RDL		4650939	4650940	4650968	4651008
Polychlorinated Biphenyls	µg/g	0.35	0.1		<0.1	<0.1	<0.1	<0.1
Moisture Content	%		0.1		10.9	24.9	24.6	12.0
Surrogate	Unit	Acceptable Limits						
Decachlorobiphenyl	%	50-140			120	76	88	92

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4650899-4651008 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: NPopowkolof

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

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AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

SAMPLE DESCRIPTION:				BH214 SS2	BH214 SS3	BH207 SS1	BH205 SS1	BH235 SS1	BH235 SS2	BH215 SS1	BH232 SS2
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2022-12-22 07:57	2022-12-22 08:20	2022-12-22 09:35	2022-12-22 11:30	2022-12-22 13:29	2022-12-22 13:38	2022-12-22 14:48	2022-12-22 08:35
Parameter	Unit	G / S	RDL	4650888	4650891	4650899	4650903	4650906	4650913	4650915	4650919
F1 (C6 - C10)	µg/g		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	17	<10	<10	<10	<10	<10
F2 (C10 to C16) minus Naphthalene	µg/g		10	<10	<10	17	<10	<10	<10	<10	<10
F3 (C16 to C34)	µg/g	300	50	146	73	114	<50	<50	<50	<50	<50
F3 (C16 to C34) minus PAHs	µg/g		50	146	53	114	<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	12.8	15.5	12.8	18.2	17.0	16.9	8.4	14.1
Surrogate	Unit	Acceptable Limits									
Toluene-d8	%	50-140		102	101	98	104	100	102	100	106
Terphenyl	%	60-140		69	89	84	74	74	77	73	86

Certified By: NPopowkolof

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

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AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

				SAMPLE DESCRIPTION:	BH228 SS1	BH217 SS1	BH223 SS1	BH223 SS1-DUP	BH234 SS4
				SAMPLE TYPE:	Soil	Soil	Soil	Soil	Soil
				DATE SAMPLED:	2022-12-22 11:30	2022-12-22 13:45	2022-12-22 15:55	2022-12-22 15:55	2022-12-22
Parameter	Unit	G / S	RDL		4650926	4650930	4650940	4650968	4651008
F1 (C6 - C10)	µg/g		5		<5	<5	20	15	<5
F1 (C6 to C10) minus BTEX	µg/g	55	5		<5	<5	18	13	<5
F2 (C10 to C16)	µg/g	98	10		<10	<10	147	147	<10
F2 (C10 to C16) minus Naphthalene	µg/g		10		<10	<10	142	142	<10
F3 (C16 to C34)	µg/g	300	50		<50	<50	3500	3500	<50
F3 (C16 to C34) minus PAHs	µg/g		50		<50	<50	3050	3150	<50
F4 (C34 to C50)	µg/g	2800	50		<50	<50	544	563	<50
Gravimetric Heavy Hydrocarbons	µg/g	2800	50		NA	NA	NA	NA	NA
Moisture Content	%		0.1		29.8	12.7	24.9	24.6	12.0
Surrogate	Unit	Acceptable Limits							
Toluene-d8	%	50-140			104	102	100	106	101
Terphenyl	%	60-140			85	91	85	88	75

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4650888-4651008 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: NPopowkolof

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

Certificate of Analysis

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

SAMPLE DESCRIPTION:				BH214 SS2	BH214 SS3	BH207 SS1	BH205 SS1	BH235 SS1	BH235 SS2	BH215 SS1	BH232 SS2
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2022-12-22 07:57	2022-12-22 08:20	2022-12-22 09:35	2022-12-22 11:30	2022-12-22 13:29	2022-12-22 13:38	2022-12-22 14:48	2022-12-22 08:35
Parameter	Unit	G / S	RDL	4650888	4650891	4650899	4650903	4650906	4650913	4650915	4650919
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	3.5	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	3.4	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	13	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	0.15	<0.05	<0.05	<0.05	0.41	<0.05	<0.05	1.33
Dibromochloromethane	ug/g	9.4	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	2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

		SAMPLE DESCRIPTION:		BH214 SS2	BH214 SS3	BH207 SS1	BH205 SS1	BH235 SS1	BH235 SS2	BH215 SS1	BH232 SS2
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-22 07:57	2022-12-22 08:20	2022-12-22 09:35	2022-12-22 11:30	2022-12-22 13:29	2022-12-22 13:38	2022-12-22 14:48	2022-12-22 08:35
Parameter	Unit	G / S	RDL	4650888	4650891	4650899	4650903	4650906	4650913	4650915	4650919
m & p-Xylene	ug/g		0.05	2.03	<0.05	<0.05	<0.05	0.61	<0.05	<0.05	<0.05
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	1.27	<0.05	<0.05	<0.05	0.45	<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	3.4	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	3.30	<0.05	<0.05	<0.05	1.06	<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	12.8	15.5	12.8	18.2	17.0	16.9	8.4	14.1
Surrogate	Unit	Acceptable Limits									
Toluene-d8	% Recovery	50-140		102	101	98	104	100	102	100	106
4-Bromofluorobenzene	% Recovery	50-140		100	97	92	99	96	99	102	103

Certified By: NPopowkoff

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

SAMPLE DESCRIPTION:				BH228 SS1	BH217 SS1	BH223 SS1	BH223 SS1-DUP	BH234 SS4
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2022-12-22 11:30	2022-12-22 13:45	2022-12-22 15:55	2022-12-22 15:55	2022-12-22
Parameter	Unit	G / S	RDL	4650926	4650930	4650940	4650968	4651008
Dichlorodifluoromethane	µg/g	16	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
Bromomethane	ug/g	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
Acetone	ug/g	16	0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	ug/g	0.1	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
Methyl tert-butyl Ether	ug/g	0.75	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	ug/g	3.5	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methyl Ethyl Ketone	ug/g	16	0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Cis- 1,2-Dichloroethylene	ug/g	3.4	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chloroform	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dichloroethane	ug/g	0.05	0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,1,1-Trichloroethane	ug/g	0.38	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
Benzene	ug/g	0.21	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
Trichloroethylene	ug/g	0.061	0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Bromodichloromethane	ug/g	13	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
1,1,2-Trichloroethane	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Toluene	ug/g	2.3	0.05	<0.05	<0.05	1.19	0.93	<0.05
Dibromochloromethane	ug/g	9.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylene Dibromide	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Tetrachloroethylene	ug/g	0.28	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
Chlorobenzene	ug/g	2.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Certified By: NPopowkolof

AGAT Laboratories

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

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AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-22

DATE REPORTED: 2023-01-16

		SAMPLE DESCRIPTION:		BH228 SS1	BH217 SS1	BH223 SS1	BH223 SS1-DUP	BH234 SS4
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-22 11:30	2022-12-22 13:45	2022-12-22 15:55	2022-12-22 15:55	2022-12-22
Parameter	Unit	G / S	RDL	4650926	4650930	4650940	4650968	4651008
m & p-Xylene	ug/g		0.05	<0.05	<0.05	0.42	0.53	<0.05
Bromoform	ug/g	0.27	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
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	ug/g		0.05	<0.05	<0.05	0.40	0.57	<0.05
1,3-Dichlorobenzene	ug/g	4.8	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
1,2-Dichlorobenzene	ug/g	3.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	ug/g	3.1	0.05	<0.05	<0.05	0.82	1.10	<0.05
1,3-Dichloropropene (Cis + Trans)	µg/g	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
Moisture Content	%		0.1	29.8	12.7	24.9	24.6	12.0
Surrogate	Unit	Acceptable Limits						
Toluene-d8	% Recovery	50-140		104	102	100	106	101
4-Bromofluorobenzene	% Recovery	50-140		101	98	104	114	88

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4650888-4651008 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: NPopowkoff

AGAT Laboratories

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

Exceedance Summary

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4650888	BH214 SS2	ON T7 S RPI CT	O. Reg. 153(511) - VOCs (with PHC) (Soil)	Xylenes (Total)	ug/g	3.1	3.30
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Anthracene	µg/g	0.67	1.06
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benz(a)anthracene	µg/g	0.5	1.74
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(a)pyrene	µg/g	0.3	1.57
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(b)fluoranthene	µg/g	0.78	2.48
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(k)fluoranthene	µg/g	0.78	1.32
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Dibenzo(a,h)anthracene	µg/g	0.1	0.13
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Fluoranthene	µg/g	0.69	4.32
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Indeno(1,2,3-cd)pyrene	µg/g	0.38	0.59
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(a)anthracene	µg/g	0.5	1.74
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(a)pyrene	µg/g	0.3	1.57
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(b)fluoranthene	µg/g	0.78	2.48
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(k)fluoranthene	µg/g	0.78	1.32
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Dibenzo(a,h)anthracene	µg/g	0.1	0.13
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Fluoranthene	µg/g	0.69	4.32
4650891	BH214 SS3	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Indeno(1,2,3-cd)pyrene	µg/g	0.38	0.59
4650899	BH207 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	1,1-Biphenyl	µg/g	0.31	0.98
4650899	BH207 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Molybdenum	µg/g	6.9	22.9
4650899	BH207 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PCBs (Soil)	Polychlorinated Biphenyls	µg/g	0.35	1.57
4650906	BH235 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Arsenic	µg/g	18	27
4650913	BH235 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity (2:1)	mS/cm	0.7	0.707
4650916	BH232 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Antimony	µg/g	7.5	13.9
4650916	BH232 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Mercury	µg/g	0.27	1.44
4650916	BH232 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Molybdenum	µg/g	6.9	241
4650919	BH232 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Antimony	µg/g	7.5	8.4
4650919	BH232 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity (2:1)	mS/cm	0.7	0.708
4650919	BH232 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Mercury	µg/g	0.27	0.82
4650919	BH232 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Molybdenum	µg/g	6.9	180
4650919	BH232 SS2	ON T7 S RPI CT	O. Reg. 153(511) - PCBs (Soil)	Polychlorinated Biphenyls	µg/g	0.35	0.64
4650926	BH228 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity (2:1)	mS/cm	0.7	1.31
4650926	BH228 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Molybdenum	µg/g	6.9	14.5
4650930	BH217 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity (2:1)	mS/cm	0.7	0.719
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	1 and 2 Methlynaphthalene	µg/g	0.99	1.07
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Acenaphthylene	µg/g	0.15	0.36
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Anthracene	µg/g	0.67	5.84
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Benz(a)anthracene	µg/g	0.5	12.9
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Benzo(a)pyrene	µg/g	0.3	10.3

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Exceedance Summary

AGAT WORK ORDER: 22P983391

PROJECT: 220509

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

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Benzo(b)fluoranthene	µg/g	0.78	11.9
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Benzo(g,h,i)perylene	µg/g	6.6	7.14
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Benzo(k)fluoranthene	µg/g	0.78	5.08
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Chrysene	µg/g	7	10.9
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Dibenz(a,h)anthracene	µg/g	0.1	1.29
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Fluoranthene	µg/g	0.69	41.2
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Indeno(1,2,3-cd)pyrene	µg/g	0.38	6.14
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Naphthalene	µg/g	0.6	0.82
4650939	BH216 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PAHs (Soil)	Phenanthrene	µg/g	6.2	29.1
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	1 and 2 Methlynaphthalene	µg/g	0.99	4.07
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	1,1-Biphenyl	µg/g	0.31	0.62
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Acenaphthene	µg/g	7.9	9.51
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Acenaphthylene	µg/g	0.15	0.48
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Anthracene	µg/g	0.67	22.3
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benz(a)anthracene	µg/g	0.5	36.0
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(a)pyrene	µg/g	0.3	27.8
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(b)fluoranthene	µg/g	0.78	54.6
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(g,h,i)perylene	µg/g	6.6	10.4
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(k)fluoranthene	µg/g	0.78	20.2
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Chrysene	µg/g	7	38.0
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Dibenzo(a,h)anthracene	µg/g	0.1	1.72
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Fluoranthene	µg/g	0.69	105
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Indeno(1,2,3-cd)pyrene	µg/g	0.38	10.9
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Naphthalene	µg/g	0.6	5.23
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Phenanthrene	µg/g	6.2	95.5
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Pyrene	µg/g	78	94.7
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(a)anthracene	µg/g	0.5	36.0
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(a)pyrene	µg/g	0.3	27.8
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(b)fluoranthene	µg/g	0.78	54.6
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(k)fluoranthene	µg/g	0.78	20.2
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Dibenzo(a,h)anthracene	µg/g	0.1	1.72
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	F2 (C10 to C16)	µg/g	98	147
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	F3 (C16 to C34)	µg/g	300	3500
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Fluoranthene	µg/g	0.69	105
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Indeno(1,2,3-cd)pyrene	µg/g	0.38	10.9

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

Exceedance Summary

AGAT WORK ORDER: 22P983391

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Naphthalene	µg/g	0.6	5.23
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Phenanthrene	µg/g	6.2	95.5
4650940	BH223 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Pyrene	µg/g	78	94.7
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	1 and 2 Methlynaphthalene	µg/g	0.99	3.11
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	1,1-Biphenyl	µg/g	0.31	0.55
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Acenaphthene	µg/g	7.9	9.97
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Acenaphthylene	µg/g	0.15	0.53
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Anthracene	µg/g	0.67	21.3
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benz(a)anthracene	µg/g	0.5	24.0
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(a)pyrene	µg/g	0.3	22.8
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(b)fluoranthene	µg/g	0.78	35.9
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(g,h,i)perylene	µg/g	6.6	11.8
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(k)fluoranthene	µg/g	0.78	20.9
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Chrysene	µg/g	7	27.9
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Dibenzo(a,h)anthracene	µg/g	0.1	2.41
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Fluoranthene	µg/g	0.69	90.7
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Indeno(1,2,3-cd)pyrene	µg/g	0.38	11.8
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Naphthalene	µg/g	0.6	5.26
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Phenanthrene	µg/g	6.2	66.8
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(a)anthracene	µg/g	0.5	24.0
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(a)pyrene	µg/g	0.3	22.8
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(b)fluoranthene	µg/g	0.78	35.9
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(k)fluoranthene	µg/g	0.78	20.9
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Dibenzo(a,h)anthracene	µg/g	0.1	2.41
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	F2 (C10 to C16)	µg/g	98	147
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	F3 (C16 to C34)	µg/g	300	3500
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Fluoranthene	µg/g	0.69	90.7
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Indeno(1,2,3-cd)pyrene	µg/g	0.38	11.8
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Naphthalene	µg/g	0.6	5.26
4650968	BH223 SS1-DUP	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Phenanthrene	µg/g	6.2	66.8

AGAT Laboratories

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983391

PROJECT: 220509
ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Soil Analysis

RPT Date: Jan 16, 2023

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Soil)															
Antimony	4650899	4650899	7.4	6.7	9.9%	< 0.8	88%	70%	130%	101%	80%	120%	87%	70%	130%
Arsenic	4650899	4650899	7	6	15.4%	< 1	114%	70%	130%	117%	80%	120%	101%	70%	130%
Barium	4650899	4650899	110	102	7.5%	< 2.0	98%	70%	130%	96%	80%	120%	120%	70%	130%
Beryllium	4650899	4650899	0.4	0.4	NA	< 0.4	110%	70%	130%	94%	80%	120%	128%	70%	130%
Boron	4650899	4650899	18	19	NA	< 5	90%	70%	130%	99%	80%	120%	125%	70%	130%
Boron (Hot Water Soluble)	4666825	4650899	<0.10	<0.10	NA	< 0.10	84%	60%	140%	94%	70%	130%	97%	60%	140%
Cadmium	4650899	4650899	<0.5	<0.5	NA	< 0.5	113%	70%	130%	101%	80%	120%	129%	70%	130%
Chromium	4650899	4650899	15	15	NA	< 5	105%	70%	130%	106%	80%	120%	100%	70%	130%
Cobalt	4650899	4650899	8.4	7.8	7.4%	< 0.5	112%	70%	130%	117%	80%	120%	110%	70%	130%
Copper	4650899	4650899	23.8	22.5	5.6%	< 1.0	96%	70%	130%	100%	80%	120%	90%	70%	130%
Lead	4650899	4650899	18	17	5.7%	< 1	105%	70%	130%	115%	80%	120%	126%	70%	130%
Molybdenum	4650899	4650899	22.9	23.4	2.2%	< 0.5	112%	70%	130%	110%	80%	120%	112%	70%	130%
Nickel	4650899	4650899	13	13	0.0%	< 1	109%	70%	130%	116%	80%	120%	108%	70%	130%
Selenium	4650899	4650899	<0.8	<0.8	NA	< 0.8	107%	70%	130%	114%	80%	120%	106%	70%	130%
Silver	4650899	4650899	<0.5	<0.5	NA	< 0.5	108%	70%	130%	112%	80%	120%	117%	70%	130%
Thallium	4650899	4650899	<0.5	<0.5	NA	< 0.5	123%	70%	130%	119%	80%	120%	106%	70%	130%
Uranium	4650899	4650899	0.50	<0.50	NA	< 0.50	125%	70%	130%	116%	80%	120%	116%	70%	130%
Vanadium	4650899	4650899	28.6	26.2	8.8%	< 0.4	125%	70%	130%	118%	80%	120%	101%	70%	130%
Zinc	4650899	4650899	40	36	10.5%	< 5	102%	70%	130%	99%	80%	120%	89%	70%	130%
Chromium, Hexavalent	4650899	4650899	<0.2	<0.2	NA	< 0.2	93%	70%	130%	97%	80%	120%	72%	70%	130%
Cyanide, WAD	4650930	4650930	<0.040	<0.040	NA	< 0.040	92%	70%	130%	100%	80%	120%	109%	70%	130%
Mercury	4650899	4650899	0.20	0.20	NA	< 0.10	109%	70%	130%	101%	80%	120%	92%	70%	130%
Electrical Conductivity (2:1)	4648526		0.627	0.653	4.1%	< 0.005	116%	80%	120%						
Sodium Adsorption Ratio (2:1) (Calc.)	4648653		3.66	3.81	4.0%	NA									
pH, 2:1 CaCl2 Extraction	4647783		7.50	7.50	0.0%	NA	99%	80%	120%						

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

O. Reg. 153(511) - Metals & Inorganics (Soil)															
pH, 2:1 CaCl2 Extraction	4650903	4650903	7.45	7.60	2.0%	NA	98%	80%	120%						

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

O. Reg. 153(511) - Metals & Inorganics (Soil)															
Antimony	4662167		<0.8	<0.8	NA	< 0.8	112%	70%	130%	88%	80%	120%	77%	70%	130%
Arsenic	4662167		2	2	NA	< 1	122%	70%	130%	99%	80%	120%	103%	70%	130%
Barium	4662167		17.2	16.3	5.4%	< 2.0	106%	70%	130%	105%	80%	120%	103%	70%	130%
Beryllium	4662167		<0.4	<0.4	NA	< 0.4	94%	70%	130%	91%	80%	120%	90%	70%	130%

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983391
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Soil Analysis (Continued)

RPT Date: Jan 16, 2023

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
Boron	4662167		<5	<5	NA	< 5	85%	70%	130%	104%	80%	120%	100%	70%	130%
Boron (Hot Water Soluble)	4662167		<0.10	<0.10	NA	< 0.10	83%	60%	140%	98%	70%	130%	99%	60%	140%
Cadmium	4662167		<0.5	<0.5	NA	< 0.5	113%	70%	130%	106%	80%	120%	111%	70%	130%
Chromium	4662167		9	8	NA	< 5	103%	70%	130%	109%	80%	120%	105%	70%	130%
Cobalt	4662167		2.5	2.2	NA	< 0.5	103%	70%	130%	105%	80%	120%	106%	70%	130%
Copper	4662167		7.2	6.9	4.3%	< 1.0	100%	70%	130%	108%	80%	120%	106%	70%	130%
Lead	4662167		6	6	0.0%	< 1	113%	70%	130%	108%	80%	120%	108%	70%	130%
Molybdenum	4662167		<0.5	<0.5	NA	< 0.5	118%	70%	130%	118%	80%	120%	120%	70%	130%
Nickel	4662167		5	5	0.0%	< 1	112%	70%	130%	106%	80%	120%	106%	70%	130%
Selenium	4662167		<0.8	<0.8	NA	< 0.8	104%	70%	130%	105%	80%	120%	110%	70%	130%
Silver	4662167		<0.5	<0.5	NA	< 0.5	115%	70%	130%	104%	80%	120%	109%	70%	130%
Thallium	4662167		<0.5	<0.5	NA	< 0.5	110%	70%	130%	106%	80%	120%	106%	70%	130%
Uranium	4662167		<0.50	<0.50	NA	< 0.50	127%	70%	130%	111%	80%	120%	116%	70%	130%
Vanadium	4662167		24.3	19.8	20.4%	< 0.4	116%	70%	130%	112%	80%	120%	107%	70%	130%
Zinc	4662167		20	21	NA	< 5	108%	70%	130%	109%	80%	120%	115%	70%	130%
Chromium, Hexavalent	4663513		<0.2	<0.2	NA	< 0.2	103%	70%	130%	103%	80%	120%	86%	70%	130%
Cyanide, WAD	4662158		<0.040	<0.040	NA	< 0.040	97%	70%	130%	109%	80%	120%	107%	70%	130%
Mercury	4662167		<0.10	<0.10	NA	< 0.10	99%	70%	130%	107%	80%	120%	106%	70%	130%
Electrical Conductivity (2:1)	4662167		0.178	0.153	15.1%	< 0.005	105%	80%	120%	NA			NA		
Sodium Adsorption Ratio (2:1) (Calc.)	4662167		0.724	0.690	4.8%	N/A									
pH, 2:1 CaCl2 Extraction	4662158		7.62	7.76	1.8%	NA	98%	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	4671972		<0.8	<0.8	NA	< 0.8	99%	70%	130%	84%	80%	120%	80%	70%	130%
Arsenic	4671972		1	1	NA	< 1	115%	70%	130%	100%	80%	120%	101%	70%	130%
Barium	4671972		22.8	23.7	3.9%	< 2.0	105%	70%	130%	101%	80%	120%	113%	70%	130%
Beryllium	4671972		<0.4	<0.4	NA	< 0.4	76%	70%	130%	88%	80%	120%	98%	70%	130%
Boron	4671972		<5	<5	NA	< 5	72%	70%	130%	97%	80%	120%	104%	70%	130%
Boron (Hot Water Soluble)	4666825		<0.10	<0.10	NA	< 0.10	84%	60%	140%	94%	70%	130%	97%	60%	140%
Cadmium	4671972		<0.5	<0.5	NA	< 0.5	110%	70%	130%	100%	80%	120%	108%	70%	130%
Chromium	4671972		7	7	NA	< 5	97%	70%	130%	106%	80%	120%	101%	70%	130%
Cobalt	4671972		2.4	2.5	NA	< 0.5	103%	70%	130%	103%	80%	120%	101%	70%	130%
Copper	4671972		5.2	6.3	19.1%	< 1.0	97%	70%	130%	106%	80%	120%	100%	70%	130%
Lead	4671972		3	3	NA	< 1	114%	70%	130%	114%	80%	120%	110%	70%	130%
Molybdenum	4671972		<0.5	<0.5	NA	< 0.5	111%	70%	130%	105%	80%	120%	119%	70%	130%
Nickel	4671972		5	6	18.2%	< 1	106%	70%	130%	104%	80%	120%	101%	70%	130%
Selenium	4671972		<0.8	<0.8	NA	< 0.8	91%	70%	130%	94%	80%	120%	103%	70%	130%

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983391
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Soil Analysis (Continued)

RPT Date: Jan 16, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Silver	4671972		<0.5	<0.5	NA	< 0.5	105%	70%	130%	113%	80%	120%	96%	70%	130%
Thallium	4671972		<0.5	<0.5	NA	< 0.5	101%	70%	130%	103%	80%	120%	101%	70%	130%
Uranium	4671972		0.57	<0.50	NA	< 0.50	119%	70%	130%	108%	80%	120%	118%	70%	130%
Vanadium	4671972		15.6	15.4	1.3%	< 0.4	112%	70%	130%	117%	80%	120%	115%	70%	130%
Zinc	4671972		12	15	NA	< 5	100%	70%	130%	102%	80%	120%	104%	70%	130%
Chromium, Hexavalent	4650916	4650916	< 0.2	< 0.2	NA	< 0.2	95%	70%	130%	101%	80%	120%	84%	70%	130%
Cyanide, WAD	4650916	4650916	< 0.040	< 0.040	NA	< 0.040	100%	70%	130%	96%	80%	120%	85%	70%	130%
Mercury	4671972		<0.10	<0.10	NA	< 0.10	106%	70%	130%	101%	80%	120%	100%	70%	130%
Electrical Conductivity (2:1)	4666825		0.215	0.240	11.0%	< 0.005	91%	80%	120%						
Sodium Adsorption Ratio (2:1) (Calc.)	4666825		0.185	0.193	4.2%	N/A	NA								
pH, 2:1 CaCl2 Extraction	4650916	4650916	7.18	7.48	4.1%	NA	99%	80%	120%						

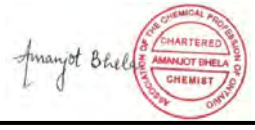
Comments: NA signifies Not Applicable.
pH duplicates QA acceptance criteria was met relative as stated in Table 5-15 of Analytical Protocol document.
Duplicate NA: results are under 5X the RDL and will not be calculated.

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

Electrical Conductivity (2:1)	4671972		0.469	0.454	3.2%	< 0.005	89%	80%	120%	NA			NA		
pH, 2:1 CaCl2 Extraction	4650916	4650916	7.18	7.48	4%		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.

Certified By:



AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
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PROJECT: 220509
ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Trace Organics Analysis

RPT Date: Jan 16, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)															
F1 (C6 - C10)	4647603		<5	<5	NA	< 5	98%	60%	140%	86%	60%	140%	80%	60%	140%
F2 (C10 to C16)	4643613		<10	<10	NA	< 10	93%	60%	140%	104%	60%	140%	96%	60%	140%
F3 (C16 to C34)	4643613		<50	<50	NA	< 50	98%	60%	140%	103%	60%	140%	112%	60%	140%
F4 (C34 to C50)	4643613		<50	<50	NA	< 50	83%	60%	140%	115%	60%	140%	121%	60%	140%
O. Reg. 153(511) - VOCs (with PHC) (Soil)															
Dichlorodifluoromethane	4647603		<0.05	<0.05	NA	< 0.05	86%	50%	140%	108%	50%	140%	96%	50%	140%
Vinyl Chloride	4647603		<0.02	<0.02	NA	< 0.02	88%	50%	140%	107%	50%	140%	113%	50%	140%
Bromomethane	4647603		<0.05	<0.05	NA	< 0.05	107%	50%	140%	99%	50%	140%	83%	50%	140%
Trichlorofluoromethane	4647603		<0.05	<0.05	NA	< 0.05	81%	50%	140%	115%	50%	140%	114%	50%	140%
Acetone	4647603		<0.50	<0.50	NA	< 0.50	106%	50%	140%	95%	50%	140%	109%	50%	140%
1,1-Dichloroethylene	4647603		<0.05	<0.05	NA	< 0.05	102%	50%	140%	114%	60%	130%	97%	50%	140%
Methylene Chloride	4647603		<0.05	<0.05	NA	< 0.05	99%	50%	140%	83%	60%	130%	88%	50%	140%
Trans- 1,2-Dichloroethylene	4647603		<0.05	<0.05	NA	< 0.05	111%	50%	140%	101%	60%	130%	100%	50%	140%
Methyl tert-butyl Ether	4647603		<0.05	<0.05	NA	< 0.05	113%	50%	140%	100%	60%	130%	103%	50%	140%
1,1-Dichloroethane	4647603		<0.02	<0.02	NA	< 0.02	120%	50%	140%	90%	60%	130%	98%	50%	140%
Methyl Ethyl Ketone	4647603		<0.50	<0.50	NA	< 0.50	99%	50%	140%	97%	50%	140%	103%	50%	140%
Cis- 1,2-Dichloroethylene	4647603		<0.02	<0.02	NA	< 0.02	119%	50%	140%	104%	60%	130%	97%	50%	140%
Chloroform	4647603		<0.04	<0.04	NA	< 0.04	95%	50%	140%	120%	60%	130%	95%	50%	140%
1,2-Dichloroethane	4647603		<0.03	<0.03	NA	< 0.03	101%	50%	140%	101%	60%	130%	97%	50%	140%
1,1,1-Trichloroethane	4647603		<0.05	<0.05	NA	< 0.05	116%	50%	140%	103%	60%	130%	93%	50%	140%
Carbon Tetrachloride	4647603		<0.05	<0.05	NA	< 0.05	102%	50%	140%	95%	60%	130%	97%	50%	140%
Benzene	4647603		<0.02	<0.02	NA	< 0.02	119%	50%	140%	115%	60%	130%	107%	50%	140%
1,2-Dichloropropane	4647603		<0.03	<0.03	NA	< 0.03	101%	50%	140%	115%	60%	130%	84%	50%	140%
Trichloroethylene	4647603		<0.03	<0.03	NA	< 0.03	112%	50%	140%	98%	60%	130%	110%	50%	140%
Bromodichloromethane	4647603		<0.05	<0.05	NA	< 0.05	100%	50%	140%	93%	60%	130%	105%	50%	140%
Methyl Isobutyl Ketone	4647603		<0.50	<0.50	NA	< 0.50	108%	50%	140%	77%	50%	140%	92%	50%	140%
1,1,2-Trichloroethane	4647603		<0.04	<0.04	NA	< 0.04	81%	50%	140%	99%	60%	130%	81%	50%	140%
Toluene	4647603		<0.05	<0.05	NA	< 0.05	73%	50%	140%	98%	60%	130%	92%	50%	140%
Dibromochloromethane	4647603		<0.05	<0.05	NA	< 0.05	96%	50%	140%	118%	60%	130%	91%	50%	140%
Ethylene Dibromide	4647603		<0.04	<0.04	NA	< 0.04	81%	50%	140%	95%	60%	130%	74%	50%	140%
Tetrachloroethylene	4647603		<0.05	<0.05	NA	< 0.05	95%	50%	140%	101%	60%	130%	90%	50%	140%
1,1,1,2-Tetrachloroethane	4647603		<0.04	<0.04	NA	< 0.04	87%	50%	140%	108%	60%	130%	98%	50%	140%
Chlorobenzene	4647603		<0.05	<0.05	NA	< 0.05	89%	50%	140%	113%	60%	130%	102%	50%	140%
Ethylbenzene	4647603		<0.05	<0.05	NA	< 0.05	72%	50%	140%	87%	60%	130%	82%	50%	140%
m & p-Xylene	4647603		<0.05	<0.05	NA	< 0.05	91%	50%	140%	89%	60%	130%	87%	50%	140%
Bromoform	4647603		<0.05	<0.05	NA	< 0.05	95%	50%	140%	113%	60%	130%	88%	50%	140%
Styrene	4647603		<0.05	<0.05	NA	< 0.05	78%	50%	140%	92%	60%	130%	76%	50%	140%
1,1,2,2-Tetrachloroethane	4647603		<0.05	<0.05	NA	< 0.05	102%	50%	140%	103%	60%	130%	91%	50%	140%
o-Xylene	4647603		<0.05	<0.05	NA	< 0.05	71%	50%	140%	95%	60%	130%	88%	50%	140%

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983391
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Trace Organics Analysis (Continued)

RPT Date: Jan 16, 2023

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,3-Dichlorobenzene	4647603		<0.05	<0.05	NA	< 0.05	89%	50%	140%	109%	60%	130%	99%	50%	140%
1,4-Dichlorobenzene	4647603		<0.05	<0.05	NA	< 0.05	93%	50%	140%	110%	60%	130%	100%	50%	140%
1,2-Dichlorobenzene	4647603		<0.05	<0.05	NA	< 0.05	87%	50%	140%	109%	60%	130%	94%	50%	140%
n-Hexane	4647603		<0.05	<0.05	NA	< 0.05	92%	50%	140%	112%	60%	130%	76%	50%	140%
O. Reg. 153(511) - BNA (full) + PAHs (Soil)															
Naphthalene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	89%	50%	140%	79%	50%	140%
Acenaphthylene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	85%	50%	140%	85%	50%	140%
Acenaphthene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	84%	50%	140%	84%	50%	140%
Fluorene	4600978		< 0.05	< 0.05	NA	< 0.05	82%	50%	140%	79%	50%	140%	79%	50%	140%
Phenanthrene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Anthracene	4600978		< 0.05	< 0.05	NA	< 0.05	84%	50%	140%	79%	50%	140%	84%	50%	140%
Fluoranthene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	85%	50%	140%	79%	50%	140%
Pyrene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	84%	50%	140%	85%	50%	140%
Benz(a)anthracene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	79%	50%	140%	82%	50%	140%
Chrysene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Benzo(b)fluoranthene	4600978		< 0.05	< 0.05	NA	< 0.05	82%	50%	140%	86%	50%	140%	84%	50%	140%
Benzo(k)fluoranthene	4600978		< 0.05	< 0.05	NA	< 0.05	89%	50%	140%	82%	50%	140%	79%	50%	140%
Benzo(a)pyrene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Indeno(1,2,3-cd)pyrene	4600978		< 0.05	< 0.05	NA	< 0.05	84%	50%	140%	84%	50%	140%	85%	50%	140%
Dibenzo(a,h)anthracene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	79%	50%	140%	60%	50%	140%
Benzo(g,h,i)perylene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	68%	50%	140%	75%	50%	140%
Phenol	4600978		< 0.5	< 0.5	NA	< 0.5	84%	30%	130%	80%	30%	130%	79%	30%	130%
Bis(2-chloroethyl)ether	4600978		< 0.1	< 0.1	NA	< 0.1	114%	50%	140%	81%	50%	140%	118%	50%	140%
2-Chlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	71%	50%	140%	65%	50%	140%	90%	50%	140%
o-Cresol	4600978		< 0.1	< 0.1	NA	< 0.1	104%	50%	140%	72%	50%	140%	78%	50%	140%
Bis(2-chloroisopropyl)ether	4600978		< 0.1	< 0.1	NA	< 0.1	96%	50%	140%	84%	50%	140%	62%	50%	140%
m & p - Cresol	4600978		< 0.1	< 0.1	NA	< 0.1	104%	50%	140%	87%	50%	140%	103%	50%	140%
2,4-Dimethylphenol	4600978		< 0.2	< 0.2	NA	< 0.2	75%	30%	130%	66%	30%	130%	60%	30%	130%
2,4-Dichlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	75%	50%	140%	104%	50%	140%	96%	50%	140%
1,2,4-Trichlorobenzene	4600978		< 0.05	< 0.05	NA	< 0.05	93%	50%	140%	68%	50%	140%	68%	50%	140%
p-Chloroaniline	4600978		< 0.5	< 0.5	NA	< 0.5	96%	30%	130%	78%	30%	130%	67%	30%	130%
2,4,6-Trichlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	111%	50%	140%	114%	50%	140%	89%	50%	140%
2,4,5-Trichlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	106%	50%	140%	102%	50%	140%	69%	50%	140%
1,1-Biphenyl	4600978		< 0.05	< 0.05	NA	< 0.05	NA	50%	140%	77%	50%	140%	65%	50%	140%
Dimethyl Phthalate	4600978		< 0.1	< 0.1	NA	< 0.1	90%	50%	140%	67%	50%	140%	62%	50%	140%
Diethyl Phthalate	4600978		< 0.1	< 0.1	NA	< 0.1	117%	50%	140%	72%	50%	140%	85%	50%	140%
Pentachlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	90%	50%	140%	73%	50%	140%	76%	50%	140%
3,3'-Dichlorobenzidine	4600978		< 0.5	< 0.5	NA	< 0.5	96%	30%	130%	104%	30%	130%	60%	30%	130%
2,4-Dinitrophenol	4600978		< 2.0	< 2.0	NA	< 2.0	96%	30%	130%	89%	30%	130%	88%	30%	130%

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TEL (905)712-5100
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983391
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Trace Organics Analysis (Continued)

RPT Date: Jan 16, 2023

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	Dup #2	RPD	Method Blank	REFERENCE MATERIAL Measured Value	Acceptable Limits Lower	Upper	METHOD BLANK SPIKE Recovery	Acceptable Limits Lower	Upper	MATRIX SPIKE Recovery	Acceptable Limits Lower	Upper
Bis(2-Ethylhexyl)phthalate	4600978		< 0.2	< 0.2	NA	< 0.2	99%	50%	140%	63%	50%	140%	65%	50%	140%
O. Reg. 153(511) - PCBs (Soil)															
Polychlorinated Biphenyls	4644813		< 0.1	< 0.1	NA	< 0.1	102%	50%	140%	98%	50%	140%	88%	50%	140%
Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).															
O. Reg. 153(511) - PCBs (Soil)															
Polychlorinated Biphenyls	4651008	4651008	< 0.1	< 0.1	NA	< 0.1	102%	50%	140%	103%	50%	140%	94%	50%	140%
Formaldehyde (Soil)															
Formaldehyde		NA	NA	NA	0.0%	< 0.5	NA	70%	130%	95%	70%	130%	NA	70%	130%
2,3,5,6-Tetrafluorobenzaldehyde		NA	NA	NA	0.0%	101	NA	40%	140%	102%	40%	140%	NA	40%	140%
Comments: NA: Not applicable															
NA in Duplicate Deviation indicates that the deviation could not be calculated because one or both results are < 5x LDR.															
NA in Percent Recovery of Fortified Sample indicates that the result is not provided due to sample heterogeneity or too high concentration relative to spike.															
NA in fortified blank or MRC indicates that it is not required by the procedure.															
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)															
F2 (C10 to C16)	4663097		<10	<10	NA	< 10	103%	60%	140%	78%	60%	140%	82%	60%	140%
F3 (C16 to C34)	4663097		<50	<50	NA	< 50	108%	60%	140%	105%	60%	140%	105%	60%	140%
F4 (C34 to C50)	4663097		<50	<50	NA	< 50	65%	60%	140%	93%	60%	140%	92%	60%	140%
O. Reg. 153(511) - BNA (full) + PAHs (Soil)															
Naphthalene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	89%	50%	140%	79%	50%	140%
Acenaphthylene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	85%	50%	140%	85%	50%	140%
Acenaphthene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	84%	50%	140%	84%	50%	140%
Fluorene	4600978		< 0.05	< 0.05	NA	< 0.05	82%	50%	140%	79%	50%	140%	79%	50%	140%
Phenanthrene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Anthracene	4600978		< 0.05	< 0.05	NA	< 0.05	84%	50%	140%	79%	50%	140%	84%	50%	140%
Fluoranthene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	85%	50%	140%	79%	50%	140%
Pyrene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	84%	50%	140%	85%	50%	140%
Benz(a)anthracene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	79%	50%	140%	82%	50%	140%
Chrysene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Benzo(b)fluoranthene	4600978		< 0.05	< 0.05	NA	< 0.05	82%	50%	140%	86%	50%	140%	84%	50%	140%
Benzo(k)fluoranthene	4600978		< 0.05	< 0.05	NA	< 0.05	89%	50%	140%	82%	50%	140%	79%	50%	140%
Benzo(a)pyrene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Indeno(1,2,3-cd)pyrene	4600978		< 0.05	< 0.05	NA	< 0.05	84%	50%	140%	84%	50%	140%	85%	50%	140%
Dibenzo(a,h)anthracene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	79%	50%	140%	60%	50%	140%
Benzo(g,h,i)perylene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	68%	50%	140%	75%	50%	140%
Phenol	4600978		< 0.5	< 0.5	NA	< 0.5	84%	30%	130%	80%	30%	130%	79%	30%	130%
Bis(2-chloroethyl)ether	4600978		< 0.1	< 0.1	NA	< 0.1	114%	50%	140%	81%	50%	140%	118%	50%	140%

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CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P983391

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

Trace Organics Analysis (Continued)

RPT Date: Jan 16, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
2-Chlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	71%	50%	140%	65%	50%	140%	90%	50%	140%
o-Cresol	4600978		< 0.1	< 0.1	NA	< 0.1	104%	50%	140%	72%	50%	140%	78%	50%	140%
Bis(2-chloroisopropyl)ether	4600978		< 0.1	< 0.1	NA	< 0.1	96%	50%	140%	84%	50%	140%	62%	50%	140%
m & p - Cresol	4600978		< 0.1	< 0.1	NA	< 0.1	104%	50%	140%	87%	50%	140%	103%	50%	140%
2,4-Dimethylphenol	4600978		< 0.2	< 0.2	NA	< 0.2	75%	30%	130%	66%	30%	130%	60%	30%	130%
2,4-Dichlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	75%	50%	140%	104%	50%	140%	96%	50%	140%
1,2,4-Trichlorobenzene	4600978		< 0.05	< 0.05	NA	< 0.05	93%	50%	140%	68%	50%	140%	68%	50%	140%
p-Chloroaniline	4600978		< 0.5	< 0.5	NA	< 0.5	96%	30%	130%	78%	30%	130%	67%	30%	130%
2,4,6-Trichlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	111%	50%	140%	114%	50%	140%	89%	50%	140%
2,4,5-Trichlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	106%	50%	140%	102%	50%	140%	69%	50%	140%
1,1-Biphenyl	4600978		< 0.05	< 0.05	NA	< 0.05	88%	50%	140%	77%	50%	140%	65%	50%	140%
Dimethyl Phthalate	4600978		< 0.1	< 0.1	NA	< 0.1	90%	50%	140%	67%	50%	140%	62%	50%	140%
Diethyl Phthalate	4600978		< 0.1	< 0.1	NA	< 0.1	117%	50%	140%	72%	50%	140%	85%	50%	140%
Pentachlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	90%	50%	140%	73%	50%	140%	76%	50%	140%
3,3'-Dichlorobenzidine	4600978		< 0.5	< 0.5	NA	< 0.5	96%	30%	130%	104%	30%	130%	60%	30%	130%
2,4-Dinitrophenol	4600978		< 2.0	< 2.0	NA	< 2.0	96%	30%	130%	89%	30%	130%	88%	30%	130%
Bis(2-Ethylhexyl)phthalate	4600978		< 0.2	< 0.2	NA	< 0.2	99%	50%	140%	63%	50%	140%	65%	50%	140%

Certified By: N Popowkolof

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

Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22P983391

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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	TECHNICON AUTO ANALYZER
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

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Formaldehyde	ORG-100-5126F	Standard Methods 6252B; MA. 400 - HCHO 1.0	GC/MS
2,3,5,6-Tetrafluorobenzaldehyde	ORG-100-5126F	Standard Methods 6252B	GC/MS
Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluorene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenanthrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benz(a)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(b)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(k)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dibenzo(a,h)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(g,h,i)perylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroethyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Chlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
o-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroisopropyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
m & p - Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dimethylphenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,2,4-Trichlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
p-Chloroaniline	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22P983391
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
1 and 2 Methlynaphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
2,4,6-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,5-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,1-Biphenyl	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dimethyl Phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4 and 2,6-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
Diethyl Phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pentachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
3,3'-Dichlorobenzidine	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-Ethylhexyl)phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
phenol-d6 surrogate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Fluorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Tribromophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene-d12	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
wet weight BNA	ORG-91-5114		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

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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
1 and 2 Methlynaphthalene	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 - C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
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

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Chloroform	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Benzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Trichloroethylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Bromodichloromethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Toluene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Dibromochloromethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
Chlorobenzene	VOL-91-5002	modified from EPA 5035A and EPA 8260D	(P&T)GC/MS
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

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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

AGAT Laboratories
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: BluMetric Environmental Inc
Contact: Paul Bandler
Address: 4 Cataraqui Street
Kingston ON
Phone: 613 453 5496 Fax:
Reports to be sent to:
1. Email: pbandler@blumetric.ca
2. Email: mllard@blumetric.ca

Project Information:

Project: 220509
Site Location: Parkdale Belleville
Sampled By: ML
AGAT Quote #: 747248 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: ap@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04
Table 7 *Indicate One*
☐ Ind/Com
☑ Res/Park
☐ Agriculture
Soil Texture *(Check One)*
☑ Coarse
☐ Fine

☐ Excess Soils R406
Table *Indicate One*
☐ Regulation 558
☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

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

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

Laboratory Use Only

Work Order #: 22P983391
Cooler Quantity: 1
Arrival Temperatures: 3.5 | 3.7 | 3.8
Custody Seal Intact: ☐ Yes ☐ No ☑ N/A
Notes: Ice Pack

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC Y/N	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: VOC	O. Reg 153: Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	Formaldehyde	CPIs, ABNs			Hold	Potentially Hazardous or High Concentration (Y/N)
BH21 4SS2	22-12-20	7:57 AM/PM	4	S																		✓	
BH21 4SS3	22-12-20	8:20 AM/PM	4	S					✓	✓		✓							✓				
BH207SS1	22-12-20	9:35 AM/PM	6	S			✓		✓	✓	✓	✓						✓	✓				
BH 205 SS1	22-12-20	11:30 AM/PM	5	S			✓		✓	✓	✓	✓							✓				
BH 235 SS1	22-12-20	13:29 AM/PM	5	S																		✓	
BH 235 SS2	22-12-20	13:38 AM/PM	5	S			✓		✓	✓	✓	✓							✓				
BH 215 SS1	22-12-20	14:48 AM/PM	6	S			✓		✓	✓	✓	✓						✓	✓				
BH 232SS1	22-12-21	8:30 AM/PM	5	S																		✓	
BH 232SS2	22-12-21	8:35 AM/PM	5	S			✓		✓	✓	✓	✓							✓				
BH 234SS1	22-12-21	9:50 AM/PM	5	S			✓		✓	✓	✓	✓							✓			✓	
BH 228SS1	22-12-21	11:30 AM/PM	5	S			✓		✓	✓	✓	✓							✓				

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
M Llard	22-12-21	6:30 am	Jeff Sines	22Dec22	750
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
			Zaid Sawo	29/12/22	8:59 AM
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

Page 1 of 2
№: T - 135264

AGAT Laboratories
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: BluMetric Environmental Inc.
Contact: Paul Bandler
Address: 4 Cataraqui Street
Kingston On
Phone: 613 453 5496 Fax:
Reports to be sent to:
1. Email: pbandler@blumetric.ca
2. Email: mlloyd@blumetric.ca

Project Information:

Project: 220509
Site Location: Bakelite Belleville
Sampled By: ML
AGAT Quote #: 747248 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: ap@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 7 (Indicate One)
☐ Ind/Com
☒ Res/Park
☐ Agriculture
Soil Texture (Check One)
☒ Coarse
☐ Fine

☐ Excess Soils R406
Table (Indicate One)

☐ Regulation 558

☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
(Region)

☐ Prov. Water Quality Objectives (PWQO)

☐ Other
(Indicate One)

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

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

Laboratory Use Only

Work Order #: 22P983391
Cooler Quantity: 1
Arrival Temperatures: 3.5 | 3.7 | 3.8
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: Ice Pack

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC Y/N	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: VOC	O. Reg 153: Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	Formaldehyde	CP's, ABNs	pH		Hold	Potentially Hazardous or High Concentration (Y/N)
BH228553	22-12-21	11:45 AM PM	5	S					✓	✓	✓	✓							✓	✓		
BH217551	22-12-21	13:45 AM PM	5	S			✓		✓	✓	✓	✓							✓	✓		
BH216551	22-12-21	15:05 AM PM	2	S						✓	✓											
BH223551	22-12-21	15:55 AM PM	4	S					✓	✓	✓	✓							✓			
BH223551 - Dup	22-12-21	15:55 AM PM	4	S					✓	✓	✓	✓							✓			
		AM PM																				
		AM PM																				
		AM PM																				
		AM PM																				
		AM PM																				
		AM PM																				

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
M Lloyd	22-12-21	6:30am	Scott Jones	22 Dec 22	7:50
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
			Zaid Zamo	29/12/22	8:54AM
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

Page 2 of 2
№: T - 134782

Document ID: DIV 78 1511 022

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

Date Issued: April 21, 2022

AGAT Laboratories

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

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725

ATTENTION TO: Paul Bandler

PROJECT: 220509

AGAT WORK ORDER: 22T982756

SOIL ANALYSIS REVIEWED BY: Chuandi Zhang, Lab Team Lead

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

DATE REPORTED: Jan 17, 2023

PAGES (INCLUDING COVER): 24

VERSION*: 2

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

*Notes

VERSION 2:V2 issued 2023-01-17. Analyses added to sample ID BH208 SS1. Supersedes previous version. (LB)

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
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- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.

AGAT Laboratories

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CANADA L4Z 1Y2
TEL (905)712-5100
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Certificate of Analysis

AGAT WORK ORDER: 22T982756

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-20

DATE REPORTED: 2023-01-17

SAMPLE DESCRIPTION:				BH213 SS2	BH210 SS2	BH208 SS1	BH208 SS2	BH209 SS1	BH209 SS2	BH213 SS2-Dup
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2022-12-19 08:30	2022-12-19 10:55	2022-12-19 12:45	2022-12-19 12:59	2022-12-19 15:15	2022-12-19 15:30	2022-12-19 08:30
Parameter	Unit	G / S	RDL	4637728	4637735	4637736	4637738	4637742	4637743	4637744
Antimony	µg/g	7.5	0.8	<0.8	<0.8	<0.8	<0.8	1.0	<0.8	<0.8
Arsenic	µg/g	18	1	4	3	2	2	202	63	4
Barium	µg/g	390	2.0	102	39.9	42.2	38.3	272	199	109
Beryllium	µg/g	4	0.4	0.5	<0.4	<0.4	<0.4	1.5	1.3	0.5
Boron	µg/g	120	5	11	12	<5	5	68	20	11
Boron (Hot Water Soluble)	µg/g	1.5	0.10	0.41	2.05	0.28	0.60	0.52	0.93	0.41
Cadmium	µg/g	1.2	0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5
Chromium	µg/g	160	5	22	19	11	13	20	26	25
Cobalt	µg/g	22	0.5	7.1	3.5	3.4	3.2	7.7	7.0	7.4
Copper	µg/g	140	1.0	13.5	24.0	13.5	19.9	34.3	28.0	13.7
Lead	µg/g	120	1	22	35	14	23	43	34	16
Molybdenum	µg/g	6.9	0.5	1.5	41.3	12.5	11.2	33.9	33.9	1.4
Nickel	µg/g	100	1	12	14	11	9	23	19	12
Selenium	µg/g	2.4	0.8	<0.8	<0.8	<0.8	<0.8	5.5	2.1	<0.8
Silver	µg/g	20	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	2.8	0.9	<0.5
Uranium	µg/g	23	0.50	<0.50	<0.50	<0.50	0.51	0.87	0.67	<0.50
Vanadium	µg/g	86	0.4	26.0	16.1	17.0	20.1	62.9	30.3	28.6
Zinc	µg/g	340	5	46	452	26	33	80	53	40
Chromium, Hexavalent	µg/g	8	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
Mercury	µg/g	0.27	0.10	<0.10	1.12	0.23	0.72	0.93	5.80	0.13
Electrical Conductivity (2:1)	mS/cm	0.7	0.005	0.236	0.233	0.135	0.258	0.506	0.339	0.222
Sodium Adsorption Ratio (2:1) (Calc.)	N/A	5	N/A	0.110	0.152	0.114	0.173	0.046	0.101	0.100
pH, 2:1 CaCl2 Extraction	pH Units		NA	7.75	7.74	7.76	7.59	7.56	7.63	7.78

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22T982756

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-20

DATE REPORTED: 2023-01-17

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4637728-4637744 EC was determined on the DI water extract obtained from the 2:1 leaching procedure (2 parts DI water:1 part soil). pH was determined on the 0.01M CaCl2 extract prepared at 2:1 ratio. SAR is a calculated parameter.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22T982756

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

Formaldehyde (Soil)

DATE RECEIVED: 2022-12-20

DATE REPORTED: 2023-01-17

SAMPLE DESCRIPTION:				BH213 SS2	BH210 SS2	BH208 SS2	BH209 SS1	BH209 SS2	BH213 SS2-Dup
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2022-12-19 08:30	2022-12-19 10:55	2022-12-19 12:59	2022-12-19 15:15	2022-12-19 15:30	2022-12-19 08:30
Parameter	Unit	G / S	RDL	4637728	4637735	4637738	4637742	4637743	4637744
Formaldehyde	mg/Kg		0.5	<0.5	1.2	0.9	<0.5	<0.5	<0.5
Surrogate	Unit	Acceptable Limits							
2,3,5,6-Tetrafluorobenzaldehyde	%	40-140		52	45	41	69	60	42

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

4637728-4637744 A higher LDR indicates that a dilution was performed to reduce analyte concentration or reduce matrix interference.

Analysis performed at AGAT Montréal (unless marked by *)

Certified By: NPopowkolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22T982756

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

O. Reg. 153(511) - BNA (full) + PAHs (Soil)

DATE RECEIVED: 2022-12-20

DATE REPORTED: 2023-01-17

SAMPLE DESCRIPTION:				BH213 SS2	BH210 SS2	BH208 SS2	BH209 SS1	BH209 SS2	BH213 SS2-Dup
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2022-12-19 08:30	2022-12-19 10:55	2022-12-19 12:59	2022-12-19 15:15	2022-12-19 15:30	2022-12-19 08:30
Parameter	Unit	G / S	RDL	4637728	4637735	4637738	4637742	4637743	4637744
Naphthalene	µg/g	0.6	0.05	<0.05	0.32	<0.05	0.41	1.84	<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	0.48	<0.05	<0.05	<0.05	<0.05
Fluorene	µg/g	62	0.05	<0.05	0.51	<0.05	<0.05	<0.05	<0.05
Phenanthrene	µg/g	6.2	0.05	0.11	3.84	0.08	0.32	<0.05	0.08
Anthracene	µg/g	0.67	0.05	<0.05	1.00	<0.05	<0.05	<0.05	<0.05
Fluoranthene	µg/g	0.69	0.05	0.18	3.73	0.10	<0.05	<0.05	0.16
Pyrene	µg/g	78	0.05	0.17	2.98	0.08	<0.05	<0.05	0.16
Benz(a)anthracene	µg/g	0.5	0.05	0.07	1.38	<0.05	<0.05	<0.05	0.06
Chrysene	µg/g	7	0.05	0.10	1.42	0.06	<0.05	<0.05	0.08
Benzo(b)fluoranthene	µg/g	0.78	0.05	0.18	2.04	0.08	<0.05	<0.05	0.16
Benzo(k)fluoranthene	µg/g	0.78	0.05	0.10	1.13	<0.05	<0.05	<0.05	0.11
Benzo(a)pyrene	µg/g	0.3	0.05	0.11	1.39	<0.05	<0.05	<0.05	0.09
Indeno(1,2,3-cd)pyrene	µg/g	0.38	0.05	<0.05	0.51	<0.05	<0.05	<0.05	<0.05
Dibenzo(a,h)anthracene	µg/g	0.1	0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05
Benzo(g,h,i)perylene	µg/g	6.6	0.05	<0.05	0.46	<0.05	<0.05	<0.05	<0.05
Phenol	µg/g	9.4	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroethyl)ether	µg/g	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol	µg/g	1.6	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o-Cresol	µg/g		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroisopropyl)ether	µg/g	0.67	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m & p - Cresol	µg/g		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	µg/g	390	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
2,4-Dichlorophenol	µg/g	1.7	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
p-Chloroaniline	µg/g	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1 and 2 Methlynaphthalene	µg/g	0.99	0.05	<0.05	<0.05	<0.05	2.28	7.33	<0.05
2,4,6-Trichlorophenol	µg/g	3.8	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	µg/g	4.4	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Certified By: N Popowkolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22T982756

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

O. Reg. 153(511) - BNA (full) + PAHs (Soil)

DATE RECEIVED: 2022-12-20

DATE REPORTED: 2023-01-17

				SAMPLE DESCRIPTION:	BH213 SS2	BH210 SS2	BH208 SS2	BH209 SS1	BH209 SS2	BH213 SS2-Dup
				SAMPLE TYPE:	Soil	Soil	Soil	Soil	Soil	Soil
				DATE SAMPLED:	2022-12-19 08:30	2022-12-19 10:55	2022-12-19 12:59	2022-12-19 15:15	2022-12-19 15:30	2022-12-19 08:30
Parameter	Unit	G / S	RDL		4637728	4637735	4637738	4637742	4637743	4637744
1,1-Biphenyl	µg/g	0.31	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dimethyl Phthalate	µg/g	0.5	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4 and 2,6-Dinitrotoluene	µg/g	0.92	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diethyl Phthalate	µg/g	0.5	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	µg/g	0.1	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3,3'-Dichlorobenzidine	µg/g		0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dinitrophenol	µg/g	38	2.0		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Bis(2-Ethylhexyl)phthalate	µg/g	5	0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Moisture Content	%		0.1		15.1	9.3	13.5	16.3	21.3	16.9
wet weight BNA	g		0.01		10.62	10.46	10.80	10.79	10.12	10.70
Surrogate	Unit	Acceptable Limits								
phenol-d6 surrogate	%	50-140			66	69	65	80	78	105
2-Fluorophenol	%	50-140			77	69	109	97	80	78
2,4,6-Tribromophenol	%	50-140			77	74	84	98	99	85
Chrysene-d12	%	50-140			68	106	71	89	88	93

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4637728-4637744 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.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 22T982756

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-20

DATE REPORTED: 2023-01-17

				SAMPLE DESCRIPTION:	BH213 SS2	BH210 SS2	BH208 SS1	BH208 SS2	BH209 SS2	BH213 SS2-Dup
				SAMPLE TYPE:	Soil	Soil	Soil	Soil	Soil	Soil
				DATE SAMPLED:	2022-12-19 08:30	2022-12-19 10:55	2022-12-19 12:45	2022-12-19 12:59	2022-12-19 15:30	2022-12-19 08:30
Parameter	Unit	G / S	RDL		4637728	4637735	4637736	4637738	4637743	4637744
Polychlorinated Biphenyls	µg/g	0.35	0.1		<0.1	0.22	0.28	0.53	<0.1	<0.1
Moisture Content	%		0.1		15.1	9.3	16.0	13.5	21.3	16.9
Surrogate	Unit	Acceptable Limits								
Decachlorobiphenyl	%	50-140			76	80	116	72	72	120

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4637728-4637744 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: N Popowkolof

AGAT Laboratories

5835 COOPERS AVENUE
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Certificate of Analysis

AGAT WORK ORDER: 22T982756

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-20

DATE REPORTED: 2023-01-17

				SAMPLE DESCRIPTION:	BH213 SS2	BH210 SS2	BH208 SS2	BH209 SS1	BH209 SS2	BH213 SS2-Dup
				SAMPLE TYPE:	Soil	Soil	Soil	Soil	Soil	Soil
				DATE SAMPLED:	2022-12-19 08:30	2022-12-19 10:55	2022-12-19 12:59	2022-12-19 15:15	2022-12-19 15:30	2022-12-19 08:30
Parameter	Unit	G / S	RDL		4637728	4637735	4637738	4637742	4637743	4637744
F1 (C6 - C10)	µg/g		5		<5	<5	<5	9	<5	<5
F1 (C6 to C10) minus BTEX	µg/g	55	5		<5	<5	<5	9	<5	<5
F2 (C10 to C16)	µg/g	98	10		<10	<10	<10	36	713	<10
F2 (C10 to C16) minus Naphthalene	µg/g		10		<10	<10	<10	36	711	<10
F3 (C16 to C34)	µg/g	300	50		<50	<50	298	488	6280	<50
F3 (C16 to C34) minus PAHs	µg/g		50		<50	<50	298	488	6280	<50
F4 (C34 to C50)	µg/g	2800	50		<50	<50	100	55	262	<50
Gravimetric Heavy Hydrocarbons	µg/g	2800	50		NA	NA	NA	NA	NA	NA
Moisture Content	%		0.1		15.1	9.3	13.5	16.3	21.3	16.9
Surrogate	Unit	Acceptable Limits								
Toluene-d8	%	50-140			75	75	74	72	67	76
Terphenyl	%	60-140			77	74	70	79	93	83

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4637728-4637744 Results are based on sample dry weight.
The C6-C10 fraction is calculated using toluene response factor.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popnikolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22T982756

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-20

DATE REPORTED: 2023-01-17

SAMPLE DESCRIPTION:				BH213 SS2	BH210 SS2	BH208 SS2	BH209 SS1	BH209 SS2	BH213 SS2-Dup
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2022-12-19 08:30	2022-12-19 10:55	2022-12-19 12:59	2022-12-19 15:15	2022-12-19 15:30	2022-12-19 08:30
Parameter	Unit	G / S	RDL	4637728	4637735	4637738	4637742	4637743	4637744
Dichlorodifluoromethane	µg/g	16	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
Bromomethane	ug/g	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
Acetone	ug/g	16	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
Methylene Chloride	ug/g	0.1	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
Methyl tert-butyl Ether	ug/g	0.75	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	ug/g	3.5	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methyl Ethyl Ketone	ug/g	16	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Cis- 1,2-Dichloroethylene	ug/g	3.4	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chloroform	ug/g	0.05	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
1,1,1-Trichloroethane	ug/g	0.38	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
Benzene	ug/g	0.21	0.02	<0.02	<0.02	<0.02	<0.02	0.51	<0.02
1,2-Dichloropropane	ug/g	0.05	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
Bromodichloromethane	ug/g	13	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
1,1,2-Trichloroethane	ug/g	0.05	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	0.21	0.28	<0.05
Dibromochloromethane	ug/g	9.4	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
Tetrachloroethylene	ug/g	0.28	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
Chlorobenzene	ug/g	2.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g	2	0.05	<0.05	<0.05	<0.05	<0.05	0.36	<0.05

Certified By: N Popowkolof

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 22T982756

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2022-12-20

DATE REPORTED: 2023-01-17

		SAMPLE DESCRIPTION:		BH213 SS2	BH210 SS2	BH208 SS2	BH209 SS1	BH209 SS2	BH213 SS2-Dup
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-19 08:30	2022-12-19 10:55	2022-12-19 12:59	2022-12-19 15:15	2022-12-19 15:30	2022-12-19 08:30
Parameter	Unit	G / S	RDL	4637728	4637735	4637738	4637742	4637743	4637744
m & p-Xylene	ug/g		0.05	<0.05	<0.05	<0.05	0.23	0.73	<0.05
Bromoform	ug/g	0.27	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
1,1,2,2-Tetrachloroethane	ug/g	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
1,3-Dichlorobenzene	ug/g	4.8	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
1,2-Dichlorobenzene	ug/g	3.4	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	0.23	0.73	<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
n-Hexane	µg/g	2.8	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Moisture Content	%		0.1	15.1	9.3	13.5	16.3	21.3	16.9
Surrogate	Unit	Acceptable Limits							
Toluene-d8	% Recovery	50-140		75	75	74	72	67	76
4-Bromofluorobenzene	% Recovery	50-140		104	96	100	97	104	109

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - 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.

4637728-4637744 The sample was analyzed using the high level technique. The sample was extracted using methanol, a small amount of the methanol extract was diluted in water and the purge & trap GC/MS analysis was performed. Results are based on the dry weight of the soil.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: N Popowkolof

AGAT Laboratories

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

Exceedance Summary

AGAT WORK ORDER: 22T982756

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Anthracene	µg/g	0.67	1.00
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benz(a)anthracene	µg/g	0.5	1.38
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(a)pyrene	µg/g	0.3	1.39
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(b)fluoranthene	µg/g	0.78	2.04
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Benzo(k)fluoranthene	µg/g	0.78	1.13
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Fluoranthene	µg/g	0.69	3.73
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Indeno(1,2,3-cd)pyrene	µg/g	0.38	0.51
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Boron (Hot Water Soluble)	µg/g	1.5	2.05
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Mercury	µg/g	0.27	1.12
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Molybdenum	µg/g	6.9	41.3
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Zinc	µg/g	340	452
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(a)anthracene	µg/g	0.5	1.38
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(a)pyrene	µg/g	0.3	1.39
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(b)fluoranthene	µg/g	0.78	2.04
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzo(k)fluoranthene	µg/g	0.78	1.13
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Fluoranthene	µg/g	0.69	3.73
4637735	BH210 SS2	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Indeno(1,2,3-cd)pyrene	µg/g	0.38	0.51
4637736	BH208 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Molybdenum	µg/g	6.9	12.5
4637738	BH208 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Mercury	µg/g	0.27	0.72
4637738	BH208 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Molybdenum	µg/g	6.9	11.2
4637738	BH208 SS2	ON T7 S RPI CT	O. Reg. 153(511) - PCBs (Soil)	Polychlorinated Biphenyls	µg/g	0.35	0.53
4637742	BH209 SS1	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	1 and 2 Methlynaphthalene	µg/g	0.99	2.28
4637742	BH209 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Arsenic	µg/g	18	202
4637742	BH209 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Mercury	µg/g	0.27	0.93
4637742	BH209 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Molybdenum	µg/g	6.9	33.9
4637742	BH209 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Selenium	µg/g	2.4	5.5
4637742	BH209 SS1	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Thallium	µg/g	1	2.8
4637742	BH209 SS1	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	F3 (C16 to C34)	µg/g	300	488
4637743	BH209 SS2	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	1 and 2 Methlynaphthalene	µg/g	0.99	7.33
4637743	BH209 SS2	ON T7 S RPI CT	O. Reg. 153(511) - BNA (full) + PAHs (Soil)	Naphthalene	µg/g	0.6	1.84
4637743	BH209 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Arsenic	µg/g	18	63
4637743	BH209 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Mercury	µg/g	0.27	5.80
4637743	BH209 SS2	ON T7 S RPI CT	O. Reg. 153(511) - Metals & Inorganics (Soil)	Molybdenum	µg/g	6.9	33.9
4637743	BH209 SS2	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Benzene	µg/g	0.21	0.51
4637743	BH209 SS2	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	F2 (C10 to C16)	µg/g	98	713

AGAT Laboratories

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

Exceedance Summary

AGAT WORK ORDER: 22T982756

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4637743	BH209 SS2	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	F3 (C16 to C34)	µg/g	300	6280
4637743	BH209 SS2	ON T7 S RPI CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)	Naphthalene	µg/g	0.6	1.84
4637743	BH209 SS2	ON T7 S RPI CT	O. Reg. 153(511) - VOCs (with PHC) (Soil)	Benzene	ug/g	0.21	0.51

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MISSISSAUGA, ONTARIO
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22T982756
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Soil Analysis

RPT Date: Jan 17, 2023

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	Dup #2	RPD	Method Blank	REFERENCE MATERIAL Measured Value	Acceptable Limits Lower	Upper	METHOD BLANK SPIKE Recovery	Acceptable Limits Lower	Upper	MATRIX SPIKE Recovery	Acceptable Limits Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Soil)															
Antimony	4636348		<0.8	<0.8	NA	< 0.8	86%	70%	130%	90%	80%	120%	82%	70%	130%
Arsenic	4636348		1	1	NA	< 1	120%	70%	130%	101%	80%	120%	105%	70%	130%
Barium	4636348		27.1	25.8	4.9%	< 2.0	104%	70%	130%	99%	80%	120%	104%	70%	130%
Beryllium	4636348		<0.4	<0.4	NA	< 0.4	97%	70%	130%	101%	80%	120%	100%	70%	130%
Boron	4636348		<5	<5	NA	< 5	77%	70%	130%	92%	80%	120%	96%	70%	130%
Boron (Hot Water Soluble)	4644309	4637728	0.13	0.14	NA	< 0.10	91%	60%	140%	93%	70%	130%	97%	60%	140%
Cadmium	4636348		<0.5	<0.5	NA	< 0.5	97%	70%	130%	102%	80%	120%	103%	70%	130%
Chromium	4636348		7	7	NA	< 5	102%	70%	130%	100%	80%	120%	106%	70%	130%
Cobalt	4636348		2.8	2.7	3.6%	< 0.5	104%	70%	130%	96%	80%	120%	99%	70%	130%
Copper	4636348		6.0	6.3	4.9%	< 1.0	97%	70%	130%	100%	80%	120%	94%	70%	130%
Lead	4636348		7	7	0.0%	< 1	107%	70%	130%	95%	80%	120%	94%	70%	130%
Molybdenum	4636348		<0.5	<0.5	NA	< 0.5	118%	70%	130%	109%	80%	120%	117%	70%	130%
Nickel	4636348		4	4	NA	< 1	105%	70%	130%	99%	80%	120%	97%	70%	130%
Selenium	4636348		0.8	<0.8	NA	< 0.8	79%	70%	130%	100%	80%	120%	101%	70%	130%
Silver	4636348		<0.5	<0.5	NA	< 0.5	106%	70%	130%	101%	80%	120%	98%	70%	130%
Thallium	4636348		<0.5	<0.5	NA	< 0.5	115%	70%	130%	98%	80%	120%	99%	70%	130%
Uranium	4636348		<0.50	<0.50	NA	< 0.50	120%	70%	130%	98%	80%	120%	105%	70%	130%
Vanadium	4636348		13.5	13.2	2.2%	< 0.4	111%	70%	130%	100%	80%	120%	104%	70%	130%
Zinc	4636348		24	22	NA	< 5	104%	70%	130%	100%	80%	120%	101%	70%	130%
Chromium, Hexavalent	4642892		<0.2	<0.2	NA	< 0.2	101%	70%	130%	98%	80%	120%	79%	70%	130%
Cyanide, WAD	4672883		<0.040	<0.040	NA	< 0.040	107%	70%	130%	90%	80%	120%	97%	70%	130%
Mercury	4636348		<0.10	<0.10	NA	< 0.10	115%	70%	130%	100%	80%	120%	106%	70%	130%
Electrical Conductivity (2:1)	4637210		1.22	1.21	0.8%	< 0.005	118%	80%	120%						
Sodium Adsorption Ratio (2:1) (Calc.)	4636348		0.506	0.522	3.1%	NA	NA								
pH, 2:1 CaCl2 Extraction	4647783		7.50	7.50	0.0%	NA	99%	80%	120%						

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

O. Reg. 153(511) - Metals & Inorganics (Soil)															
Antimony	4644309		<0.8	<0.8	NA	< 0.8	106%	70%	130%	84%	80%	120%	75%	70%	130%
Arsenic	4644309		2	2	NA	< 1	123%	70%	130%	96%	80%	120%	100%	70%	130%
Barium	4644309		11.1	12.4	11.1%	< 2.0	107%	70%	130%	99%	80%	120%	100%	70%	130%
Beryllium	4644309		<0.4	<0.4	NA	< 0.4	104%	70%	130%	92%	80%	120%	103%	70%	130%
Boron	4644309		<5	<5	NA	< 5	98%	70%	130%	99%	80%	120%	108%	70%	130%
Boron (Hot Water Soluble)	4644309		0.13	0.14	NA	< 0.10	91%	60%	140%	93%	70%	130%	97%	60%	140%
Cadmium	4644309		<0.5	<0.5	NA	< 0.5	90%	70%	130%	105%	80%	120%	106%	70%	130%
Chromium	4644309		7	8	NA	< 5	117%	70%	130%	110%	80%	120%	110%	70%	130%
Cobalt	4644309		1.9	2.2	NA	< 0.5	118%	70%	130%	107%	80%	120%	104%	70%	130%

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22T982756
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Soil Analysis (Continued)

RPT Date: Jan 17, 2023

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
Copper	4644309		4.2	4.7	NA	< 1.0	103%	70%	130%	106%	80%	120%	97%	70%	130%
Lead	4644309		8	9	11.8%	< 1	114%	70%	130%	103%	80%	120%	100%	70%	130%
Molybdenum	4644309		<0.5	<0.5	NA	< 0.5	115%	70%	130%	109%	80%	120%	114%	70%	130%
Nickel	4644309		3	4	NA	< 1	115%	70%	130%	107%	80%	120%	102%	70%	130%
Selenium	4644309		<0.8	<0.8	NA	< 0.8	128%	70%	130%	104%	80%	120%	106%	70%	130%
Silver	4644309		<0.5	<0.5	NA	< 0.5	121%	70%	130%	105%	80%	120%	96%	70%	130%
Thallium	4644309		<0.5	<0.5	NA	< 0.5	125%	70%	130%	107%	80%	120%	102%	70%	130%
Uranium	4644309		<0.50	<0.50	NA	< 0.50	127%	70%	130%	103%	80%	120%	110%	70%	130%
Vanadium	4644309		12.0	15.7	26.7%	< 0.4	125%	70%	130%	105%	80%	120%	113%	70%	130%
Zinc	4644309		35	38	8.2%	< 5	112%	70%	130%	108%	80%	120%	116%	70%	130%
Chromium, Hexavalent	4642892		<0.2	<0.2	NA	< 0.2	101%	70%	130%	98%	80%	120%	79%	70%	130%
Cyanide, WAD	4647779		<0.04	<0.04	NA	< 0.040	99%	70%	130%	107%	80%	120%	101%	70%	130%
Mercury	4644309		<0.10	<0.10	NA	< 0.10	106%	70%	130%	104%	80%	120%	102%	70%	130%
Electrical Conductivity (2:1)	4644309		1.10	1.11	0.9%	< 0.005	111%	80%	120%						
Sodium Adsorption Ratio (2:1) (Calc.)	4644771		5.17	5.59	7.8%	NA	NA								
pH, 2:1 CaCl2 Extraction	4647783		7.5	7.5	0.0%	NA	94%	80%	120%						

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

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

Antimony	4681192		<0.8	<0.8	NA	< 0.8	107%	70%	130%	84%	80%	120%	90%	70%	130%
Arsenic	4681192		8	8	3.4%	< 1	122%	70%	130%	96%	80%	120%	95%	70%	130%
Barium	4681192		40.9	39.6	3.1%	< 2.0	111%	70%	130%	102%	80%	120%	98%	70%	130%
Beryllium	4681192		1.2	1.2	NA	< 0.4	106%	70%	130%	99%	80%	120%	92%	70%	130%
Boron	4681192		28	27	5.9%	< 5	86%	70%	130%	94%	80%	120%	74%	70%	130%
Boron (Hot Water Soluble)	4676068		<0.1	<0.1	NA	< 0.10	107%	60%	140%	103%	70%	130%	107%	60%	140%
Cadmium	4681192		<0.5	<0.5	NA	< 0.5	89%	70%	130%	100%	80%	120%	100%	70%	130%
Chromium	4681192		35	34	1.1%	< 5	103%	70%	130%	104%	80%	120%	99%	70%	130%
Cobalt	4681192		21.0	20.6	1.7%	< 0.5	103%	70%	130%	100%	80%	120%	99%	70%	130%
Copper	4681192		34.4	34.4	0.1%	< 1.0	99%	70%	130%	102%	80%	120%	97%	70%	130%
Lead	4681192		9	4	NA	< 1	112%	70%	130%	108%	80%	120%	91%	70%	130%
Molybdenum	4681192		<0.5	<0.5	NA	< 0.5	113%	70%	130%	104%	80%	120%	99%	70%	130%
Nickel	4681192		40	40	0.0%	< 1	102%	70%	130%	97%	80%	120%	92%	70%	130%
Selenium	4681192		<0.8	<0.8	NA	< 0.8	102%	70%	130%	100%	80%	120%	103%	70%	130%
Silver	4681192		<0.5	<0.5	NA	< 0.5	106%	70%	130%	99%	80%	120%	93%	70%	130%
Thallium	4681192		<0.5	<0.5	NA	< 0.5	122%	70%	130%	101%	80%	120%	99%	70%	130%
Uranium	4681192		0.76	0.75	NA	< 0.50	121%	70%	130%	103%	80%	120%	102%	70%	130%
Vanadium	4681192		45.0	43.4	3.6%	< 0.4	107%	70%	130%	100%	80%	120%	92%	70%	130%
Zinc	4681192		86	87	0.4%	< 5	105%	70%	130%	104%	80%	120%	105%	70%	130%

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22T982756

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

Soil Analysis (Continued)

RPT Date: Jan 17, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Chromium, Hexavalent	4672791		<0.2	<0.2	NA	< 0.2	88%	70%	130%	108%	80%	120%	101%	70%	130%
Cyanide, WAD	4672883		<0.04	<0.04	NA	< 0.040	101%	70%	130%	90%	80%	120%	97%	70%	130%
Mercury	4681192		<0.10	<0.10	NA	< 0.10	115%	70%	130%	102%	80%	120%	102%	70%	130%
Electrical Conductivity (2:1)	4671238		3.85	4.21	8.9%	< 0.005	90%	80%	120%						
Sodium Adsorption Ratio (2:1) (Calc.)	4672797		14.4	12.9	11.0%	NA	NA								
pH, 2:1 CaCl2 Extraction	4672883		8.12	8.24	1.5%	NA	98%	80%	120%						

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

Certified By:

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Trace Organics Analysis

RPT Date: Jan 17, 2023

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Soil)															
F1 (C6 - C10)	4638044		<5	<5	NA	< 5	120%	60%	140%	117%	60%	140%	93%	60%	140%
F2 (C10 to C16)	4644710		<10	<10	NA	< 10	97%	60%	140%	97%	60%	140%	109%	60%	140%
F3 (C16 to C34)	4644710		<50	<50	NA	< 50	101%	60%	140%	95%	60%	140%	127%	60%	140%
F4 (C34 to C50)	4644710		<50	<50	NA	< 50	93%	60%	140%	82%	60%	140%	127%	60%	140%
O. Reg. 153(511) - BNA (full) + PAHs (Soil)															
Naphthalene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	89%	50%	140%	79%	50%	140%
Acenaphthylene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	85%	50%	140%	85%	50%	140%
Acenaphthene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	84%	50%	140%	84%	50%	140%
Fluorene	4600978		< 0.05	< 0.05	NA	< 0.05	82%	50%	140%	79%	50%	140%	79%	50%	140%
Phenanthrene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Anthracene	4600978		< 0.05	< 0.05	NA	< 0.05	84%	50%	140%	79%	50%	140%	84%	50%	140%
Fluoranthene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	85%	50%	140%	79%	50%	140%
Pyrene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	84%	50%	140%	85%	50%	140%
Benz(a)anthracene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	79%	50%	140%	82%	50%	140%
Chrysene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Benzo(b)fluoranthene	4600978		< 0.05	< 0.05	NA	< 0.05	82%	50%	140%	86%	50%	140%	84%	50%	140%
Benzo(k)fluoranthene	4600978		< 0.05	< 0.05	NA	< 0.05	89%	50%	140%	82%	50%	140%	79%	50%	140%
Benzo(a)pyrene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	85%	50%	140%	85%	50%	140%
Indeno(1,2,3-cd)pyrene	4600978		< 0.05	< 0.05	NA	< 0.05	84%	50%	140%	84%	50%	140%	85%	50%	140%
Dibenzo(a,h)anthracene	4600978		< 0.05	< 0.05	NA	< 0.05	79%	50%	140%	79%	50%	140%	60%	50%	140%
Benzo(g,h,i)perylene	4600978		< 0.05	< 0.05	NA	< 0.05	85%	50%	140%	68%	50%	140%	75%	50%	140%
Phenol	4600978		< 0.5	< 0.5	NA	< 0.5	84%	30%	130%	80%	30%	130%	79%	30%	130%
Bis(2-chloroethyl)ether	4600978		< 0.1	< 0.1	NA	< 0.1	114%	50%	140%	81%	50%	140%	118%	50%	140%
2-Chlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	71%	50%	140%	65%	50%	140%	90%	50%	140%
o-Cresol	4600978		< 0.1	< 0.1	NA	< 0.1	104%	50%	140%	72%	50%	140%	78%	50%	140%
Bis(2-chloroisopropyl)ether	4600978		< 0.1	< 0.1	NA	< 0.1	96%	50%	140%	84%	50%	140%	62%	50%	140%
m & p - Cresol	4600978		< 0.1	< 0.1	NA	< 0.1	104%	50%	140%	87%	50%	140%	103%	50%	140%
2,4-Dimethylphenol	4600978		< 0.2	< 0.2	NA	< 0.2	75%	30%	130%	66%	30%	130%	60%	30%	130%
2,4-Dichlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	75%	50%	140%	104%	50%	140%	96%	50%	140%
1,2,4-Trichlorobenzene	4600978		< 0.05	< 0.05	NA	< 0.05	93%	50%	140%	68%	50%	140%	68%	50%	140%
p-Chloroaniline	4600978		< 0.5	< 0.5	NA	< 0.5	96%	30%	130%	78%	30%	130%	67%	30%	130%
2,4,6-Trichlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	111%	50%	140%	114%	50%	140%	89%	50%	140%
2,4,5-Trichlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	106%	50%	140%	102%	50%	140%	69%	50%	140%
1,1-Biphenyl	4600978		< 0.05	< 0.05	NA	< 0.05	NA	50%	140%	77%	50%	140%	65%	50%	140%
Dimethyl Phthalate	4600978		< 0.1	< 0.1	NA	< 0.1	90%	50%	140%	67%	50%	140%	62%	50%	140%
Diethyl Phthalate	4600978		< 0.1	< 0.1	NA	< 0.1	117%	50%	140%	72%	50%	140%	85%	50%	140%
Pentachlorophenol	4600978		< 0.1	< 0.1	NA	< 0.1	90%	50%	140%	73%	50%	140%	76%	50%	140%
3,3'-Dichlorobenzidine	4600978		< 0.5	< 0.5	NA	< 0.5	96%	30%	130%	104%	30%	130%	60%	30%	130%
2,4-Dinitrophenol	4600978		< 2.0	< 2.0	NA	< 2.0	96%	30%	130%	89%	30%	130%	88%	30%	130%

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MISSISSAUGA, ONTARIO
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Quality Assurance

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AGAT WORK ORDER: 22T982756
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Trace Organics Analysis (Continued)

RPT Date: Jan 17, 2023

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
Bis(2-Ethylhexyl)phthalate	4600978		< 0.2	< 0.2	NA	< 0.2	99%	50%	140%	63%	50%	140%	65%	50%	140%
O. Reg. 153(511) - PCBs (Soil)															
Polychlorinated Biphenyls	4644813		< 0.1	< 0.1	NA	< 0.1	102%	50%	140%	98%	50%	140%	88%	50%	140%
O. Reg. 153(511) - VOCs (with PHC) (Soil)															
Dichlorodifluoromethane	4638044		<0.05	<0.05	NA	< 0.05	97%	50%	140%	91%	50%	140%	102%	50%	140%
Vinyl Chloride	4638044		<0.02	<0.02	NA	< 0.02	117%	50%	140%	86%	50%	140%	95%	50%	140%
Bromomethane	4638044		<0.05	<0.05	NA	< 0.05	108%	50%	140%	91%	50%	140%	108%	50%	140%
Trichlorofluoromethane	4638044		<0.05	<0.05	NA	< 0.05	118%	50%	140%	101%	50%	140%	97%	50%	140%
Acetone	4638044		<0.50	<0.50	NA	< 0.50	103%	50%	140%	106%	50%	140%	109%	50%	140%
1,1-Dichloroethylene	4638044		<0.05	<0.05	NA	< 0.05	102%	50%	140%	97%	60%	130%	112%	50%	140%
Methylene Chloride	4638044		<0.05	<0.05	NA	< 0.05	107%	50%	140%	112%	60%	130%	104%	50%	140%
Trans- 1,2-Dichloroethylene	4638044		<0.05	<0.05	NA	< 0.05	107%	50%	140%	83%	60%	130%	103%	50%	140%
Methyl tert-butyl Ether	4638044		<0.05	<0.05	NA	< 0.05	95%	50%	140%	100%	60%	130%	104%	50%	140%
1,1-Dichloroethane	4638044		<0.02	<0.02	NA	< 0.02	104%	50%	140%	106%	60%	130%	101%	50%	140%
Methyl Ethyl Ketone	4638044		<0.50	<0.50	NA	< 0.50	100%	50%	140%	89%	50%	140%	95%	50%	140%
Cis- 1,2-Dichloroethylene	4638044		<0.02	<0.02	NA	< 0.02	117%	50%	140%	95%	60%	130%	109%	50%	140%
Chloroform	4638044		<0.04	<0.04	NA	< 0.04	113%	50%	140%	102%	60%	130%	111%	50%	140%
1,2-Dichloroethane	4638044		<0.03	<0.03	NA	< 0.03	91%	50%	140%	114%	60%	130%	107%	50%	140%
1,1,1-Trichloroethane	4638044		<0.05	<0.05	NA	< 0.05	111%	50%	140%	102%	60%	130%	107%	50%	140%
Carbon Tetrachloride	4638044		<0.05	<0.05	NA	< 0.05	88%	50%	140%	100%	60%	130%	107%	50%	140%
Benzene	4638044		<0.02	<0.02	NA	< 0.02	97%	50%	140%	90%	60%	130%	89%	50%	140%
1,2-Dichloropropane	4638044		<0.03	<0.03	NA	< 0.03	116%	50%	140%	97%	60%	130%	91%	50%	140%
Trichloroethylene	4638044		<0.03	<0.03	NA	< 0.03	99%	50%	140%	105%	60%	130%	102%	50%	140%
Bromodichloromethane	4638044		<0.05	<0.05	NA	< 0.05	118%	50%	140%	109%	60%	130%	81%	50%	140%
Methyl Isobutyl Ketone	4638044		<0.50	<0.50	NA	< 0.50	97%	50%	140%	105%	50%	140%	87%	50%	140%
1,1,2-Trichloroethane	4638044		<0.04	<0.04	NA	< 0.04	82%	50%	140%	106%	60%	130%	98%	50%	140%
Toluene	4638044		0.77	0.79	1.9%	< 0.05	85%	50%	140%	112%	60%	130%	116%	50%	140%
Dibromochloromethane	4638044		<0.05	<0.05	NA	< 0.05	93%	50%	140%	91%	60%	130%	119%	50%	140%
Ethylene Dibromide	4638044		<0.04	<0.04	NA	< 0.04	78%	50%	140%	89%	60%	130%	77%	50%	140%
Tetrachloroethylene	4638044		<0.05	<0.05	NA	< 0.05	115%	50%	140%	83%	60%	130%	98%	50%	140%
1,1,1,2-Tetrachloroethane	4638044		<0.04	<0.04	NA	< 0.04	96%	50%	140%	70%	60%	130%	109%	50%	140%
Chlorobenzene	4638044		<0.05	<0.05	NA	< 0.05	93%	50%	140%	95%	60%	130%	115%	50%	140%
Ethylbenzene	4638044		<0.05	<0.05	NA	< 0.05	73%	50%	140%	101%	60%	130%	99%	50%	140%
m & p-Xylene	4638044		<0.05	<0.05	NA	< 0.05	85%	50%	140%	100%	60%	130%	102%	50%	140%
Bromoform	4638044		<0.05	<0.05	NA	< 0.05	93%	50%	140%	78%	60%	130%	101%	50%	140%
Styrene	4638044		<0.05	<0.05	NA	< 0.05	74%	50%	140%	92%	60%	130%	75%	50%	140%
1,1,2,2-Tetrachloroethane	4638044		<0.05	<0.05	NA	< 0.05	88%	50%	140%	74%	60%	130%	72%	50%	140%
o-Xylene	4638044		<0.05	<0.05	NA	< 0.05	75%	50%	140%	73%	60%	130%	103%	50%	140%

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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22T982756
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Trace Organics Analysis (Continued)

RPT Date: Jan 17, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,3-Dichlorobenzene	4638044		<0.05	<0.05	NA	< 0.05	89%	50%	140%	96%	60%	130%	104%	50%	140%
1,4-Dichlorobenzene	4638044		<0.05	<0.05	NA	< 0.05	90%	50%	140%	105%	60%	130%	99%	50%	140%
1,2-Dichlorobenzene	4638044		<0.05	<0.05	NA	< 0.05	82%	50%	140%	74%	60%	130%	109%	50%	140%
n-Hexane	4638044		<0.05	<0.05	NA	< 0.05	107%	50%	140%	111%	60%	130%	116%	50%	140%
Formaldehyde (Soil)															
Formaldehyde		NA	NA	NA	0.0%	< 0.5	NA	70%	130%	87%	70%	130%	NA	70%	130%
2,3,5,6-Tetrafluorobenzaldehyde		NA	NA	NA	0.0%	80	NA	40%	140%	93%	40%	140%	NA	40%	140%

Comments: NA: Not applicable

NA in Duplicate Deviation indicates that the deviation could not be calculated because one or both results are < 5x LDR.

NA in Percent Recovery of Fortified Sample indicates that the result is not provided due to sample heterogeneity or too high concentration relative to spike.

NA in fortified blank or MRC indicates that it is not required by the procedure.

O. Reg. 153(511) - PCBs (Soil)															
Polychlorinated Biphenyls	4637736	4637736	0.28	0.23	NA	< 0.1	97%	50%	140%	102%	50%	140%	89%	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: NPopnikolof

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22T982756

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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	TECHNICON AUTO ANALYZER
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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22T982756

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Formaldehyde	ORG-100-5126F	Standard Methods 6252B; MA. 400 - HCHO 1.0	GC/MS
2,3,5,6-Tetrafluorobenzaldehyde	ORG-100-5126F	Standard Methods 6252B	GC/MS
Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluorene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenanthrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benz(a)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(b)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(k)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dibenzo(a,h)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(g,h,i)perylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroethyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Chlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
o-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroisopropyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
m & p - Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dimethylphenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,2,4-Trichlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
p-Chloroaniline	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22T982756
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
1 and 2 Methlynaphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
2,4,6-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,5-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,1-Biphenyl	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dimethyl Phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4 and 2,6-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
Diethyl Phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pentachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
3,3'-Dichlorobenzidine	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-Ethylhexyl)phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
phenol-d6 surrogate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Fluorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Tribromophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene-d12	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
wet weight BNA	ORG-91-5114		BALANCE
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 - C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 22T982756
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

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

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Method Summary

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AGAT WORK ORDER: 22T982756

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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

AGAT Laboratories
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: BluMetric Environmental Inc.
Contact: Paul Bandler
Address: 4 Cataraqui Street Kingston ON.
Phone: 613 453 5496 Fax:
Reports to be sent to:
1. Email: pbandler@blumetric.ca
2. Email: mlloyd@blumetric.ca

Project Information:

Project: 220509
Site Location: Bakelite Belleville
Sampled By: ML
AGAT Quote #: 747298 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: ap@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04
Table 7 (Indicate One)
☐ Ind/Com
☑ Res/Park
☐ Agriculture
Soil Texture (Check One)
☑ Coarse
☐ Fine

☐ Excess Soils R406
Table ____ (Indicate One)
☐ Regulation 558
☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

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

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

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Laboratory Use Only

Work Order #: 22T982756
Cooler Quantity: 1
Arrival Temperatures: 7.2 | 7.5 | 7.3 (6.5 | 6.3 | 6.7)
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: Ice Pack

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	Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	BTEX, F1-F4 PHCs	PAHs	PCBs	VOC	Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	Formaldehyde	CP's, ABN's	pH			Hold	Potentially Hazardous or High Concentration (Y/N)
~~BH 213 SS1~~	~~22-12-19~~	~~8:10~~ AM PM	6	S																			✓	
BH 213 SS2	22-12-19	8:30 AM PM	6	S			✓		✓	✓	✓	✓						✓	✓	✓				
BH 210 SS2	22-12-19	10:~~35~~ AM PM	6	S			✓		✓	✓	✓	✓						✓	✓	✓				
BH 208 SS1	22-12-19	12:45 AM PM	6	S																			✓	
BH 208 SS2	22-12-19	12:59 AM PM	6	S			✓		✓	✓	✓	✓						✓	✓					
BH 209 SS1	22-12-19	15:15 AM PM	6	S																			✓	
BH 209 SS2	22-12-19	15:30 AM PM	6	S			✓		✓	✓	✓	✓						✓	✓					
BH 213 SS2 - Dup	22-12-19	8:30 AM PM	6	S			✓		✓	✓	✓	✓						✓	✓	✓				
		AM PM																						
		AM PM																						
		AM PM																						

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
M Lloyd	22-12-20	6:00am	Jeff Jaes	20 Dec 22	8:00
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
			Zaid Ghafoor	21 DEC/22	8:41AM
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

Page 1 of 1
N°: T-135230

9770 ROUTE TRANSCANADIENNE
ST. LAURENT, QUEBEC
CANADA H4S 1V9
TEL (514)337-1000
FAX (514)333-3046
http://www.agatlabs.com

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725
ATTENTION TO: Paul Bandler
PROJECT: 220509
AGAT WORK ORDER: 22T983450
ULTRA TRACE REVIEWED BY: Roza Makhtari, Chimiste, AGAT Montréal
DATE REPORTED: Jan 17, 2023
PAGES (INCLUDING COVER): 9
VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (514) 337-1000

*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.

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

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CANADA H4S 1V9
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FAX (514)333-3046
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Certificate of Analysis

AGAT WORK ORDER: 22T983450

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Dioxins and Furans (Soil) WHO 2005

DATE RECEIVED: 2022-12-19

DATE REPORTED: 2023-01-17

		SAMPLE DESCRIPTION:		BH219 SS2
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2022-12-15
Parameter	Unit	G / S	RDL	4643382
2,3,7,8-Tetra CDD	ng/kg		0.1	<0.1
1,2,3,7,8-Penta CDD	ng/kg		0.1	0.3
1,2,3,4,7,8-Hexa CDD	ng/kg		0.1	0.4
1,2,3,6,7,8-Hexa CDD	ng/kg		0.1	1.1
1,2,3,7,8,9-Hexa CDD	ng/kg		0.1	0.8
1,2,3,4,6,7,8-Hepta CDD	ng/kg		0.1	29.8
Octa CDD	ng/kg		3.0	184
2,3,7,8-Tetra CDF	ng/kg		0.1	<0.1
1,2,3,7,8-Penta CDF	ng/kg		0.1	0.1
2,3,4,7,8-Penta CDF	ng/kg		0.1	0.2
1,2,3,4,7,8-Hexa CDF	ng/kg		0.1	0.2
1,2,3,6,7,8-Hexa CDF	ng/kg		0.1	0.3
2,3,4,6,7,8-Hexa CDF	ng/kg		0.1	0.4
1,2,3,7,8,9-Hexa CDF	ng/kg		0.1	<0.1
1,2,3,4,6,7,8-Hepta CDF	ng/kg		0.1	8.1
1,2,3,4,7,8,9-Hepta CDF	ng/kg		0.1	0.4
Octa CDF	ng/kg		0.4	29.3
Total Tetra CDD	ng/kg		0.1	0.4
Total Penta CDD	ng/kg		0.1	1.1
Total Hexa CDD	ng/kg		0.1	5.7
Total Hepta CDD	ng/kg		0.1	44.6
Total PCDDs	ng/kg		3.0	236
Total Tetra CDF	ng/kg		0.1	1.9
Total Penta CDF	ng/kg		0.1	3.5
Total Hexa CDF	ng/kg		0.1	8.3
Total Hepta CDF	ng/kg		0.1	28.5
Total PCDFs	ng/kg		0.4	71.5
2,3,7,8-Tetra CDD (TEQ)	ng TEQ/Kg			0
1,2,3,7,8-Penta CDD (TEQ	ng TEQ/Kg			0.300
1,2,3,4,7,8-Hexa CDD (TEQ)	ng TEQ/Kg			0.0400

Certified By:

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9770 ROUTE TRANSCANADIENNE
ST. LAURENT, QUEBEC
CANADA H4S 1V9
TEL (514)337-1000
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http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 22T983450

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Dioxins and Furans (Soil) WHO 2005

DATE RECEIVED: 2022-12-19

DATE REPORTED: 2023-01-17

		SAMPLE DESCRIPTION:		BH219 SS2
		SAMPLE TYPE:		Soil
		DATE SAMPLED:		2022-12-15
Parameter	Unit	G / S	RDL	4643382
1,2,3,6,7,8-Hexa CDD (TEQ)	ng TEQ/Kg			0.110
1,2,3,7,8,9-Hexa CDD (TEQ)	ng TEQ/Kg			0.0800
1,2,3,4,6,7,8-Hepta CDD (TEQ)	ng TEQ/Kg			0.298
Octa CDD (TEQ)	ng TEQ/Kg			0.0552
2,3,7,8-Tetra CDF (TEQ)	ng TEQ/Kg			0
1,2,3,7,8-Penta CDF (TEQ)	ng TEQ/Kg			0.00300
2,3,4,7,8-Penta CDF (TEQ)	ng TEQ/Kg			0.0600
1,2,3,4,7,8-Hexa CDF (TEQ)	ng TEQ/Kg			0.0200
1,2,3,6,7,8-Hexa CDF (TEQ)	ng TEQ/Kg			0.0300
1,2,3,7,8,9-Hexa CDF (TEQ)	ng TEQ/Kg			0
2,3,4,6,7,8-Hexa CDF (TEQ)	ng TEQ/Kg			0.0400
1,2,3,4,6,7,8-Hepta CDF (TEQ)	ng TEQ/Kg			0.0810
1,2,3,4,7,8,9-Hepta CDF (TEQ)	ng TEQ/Kg			0.00400
Octa CDF (TEQ)	ng TEQ/Kg			0.00879
Total PCDDs and PCDFs (TEQ)	ng TEQ/Kg			1.13

Certified By:

CHIMISTE Roza Mokhtari 2013-120 QUÉBEC

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AGAT WORK ORDER: 22T983450
PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
SAMPLING SITE:

ATTENTION TO: Paul Bandler
SAMPLED BY:

Dioxins and Furans (Soil) WHO 2005

DATE RECEIVED: 2022-12-19

DATE REPORTED: 2023-01-17

		SAMPLE DESCRIPTION:	BH219 SS2
		SAMPLE TYPE:	Soil
		DATE SAMPLED:	2022-12-15
Surrogate	Unit	Acceptable Limits	4643382
13C-2,3,7,8-TCDF	%	40-130	80
13C-1,2,3,7,8-PeCDF	%	40-130	83
13C-2,3,4,7,8-PeCDF	%	40-130	84
13C-1,2,3,4,7,8-HxCDF	%	40-130	95
13C-1,2,3,6,7,8-HxCDF	%	40-130	91
13C-2,3,4,6,7,8-HxCDF	%	40-130	92
13C-1,2,3,7,8,9-HxCDF	%	40-130	82
13C-1,2,3,4,6,7,8-HpCDF	%	40-130	83
13C-1,2,3,4,7,8,9-HpCDF	%	40-130	76
13C-2,3,7,8-TCDD	%	40-130	77
13C-1,2,3,7,8-PeCDD	%	40-130	87
13C-1,2,3,4,7,8-HxCDD	%	40-130	89
13C-1,2,3,6,7,8-HxCDD	%	40-130	90
13C-1,2,3,4,6,7,8-HpCDD	%	40-130	83
13C-OCDD	%	40-130	73

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

4643382 LDR = LDE = Estimated Detection Limit
TEQ = Toxicity Equivalent
Toxicity Equivalency Factors (TEF) based on WHO 2005.
Results reported on a dry basis.
The results were corrected based on the surrogate percent recoveries.

Analysis performed at AGAT Montréal (unless marked by *)

Certified By:

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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22T983450

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Ultra Trace Analysis

RPT Date: Jan 17, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Dioxins and Furans (Soil) WHO 2005															
2,3,7,8-Tetra CDD	1	4643382	< 0.1	< 0.1	NA	< 0.1	NA	70%	130%	97%	70%	130%	96%	70%	130%
1,2,3,7,8-Penta CDD	1	4643382	0.3	0.3	NA	< 0.1	NA	70%	130%	101%	70%	130%	98%	70%	130%
1,2,3,4,7,8-Hexa CDD	1	4643382	0.4	0.4	NA	< 0.1	NA	70%	130%	102%	70%	130%	101%	70%	130%
1,2,3,6,7,8-Hexa CDD	1	4643382	1.1	1.2	8.7%	< 0.1	NA	70%	130%	106%	70%	130%	99%	70%	130%
1,2,3,7,8,9-Hexa CDD	1	4643382	0.8	0.8	0.0%	< 0.1	NA	70%	130%	101%	70%	130%	97%	70%	130%
1,2,3,4,6,7,8-Hepta CDD	1	4643382	29.8	29.0	2.7%	< 0.1	NA	70%	130%	101%	70%	130%	99%	70%	130%
Octa CDD	1	4643382	184	184	0.0%	0.4	NA	70%	130%	102%	70%	130%	101%	70%	130%
2,3,7,8-Tetra CDF	1	4643382	< 0.1	0.1	NA	< 0.1	NA	70%	130%	103%	70%	130%	102%	70%	130%
1,2,3,7,8-Penta CDF	1	4643382	0.1	0.1	NA	< 0.1	NA	70%	130%	99%	70%	130%	98%	70%	130%
2,3,4,7,8-Penta CDF	1	4643382	0.2	0.1	NA	< 0.1	NA	70%	130%	101%	70%	130%	100%	70%	130%
1,2,3,4,7,8-Hexa CDF	1	4643382	0.2	0.2	NA	< 0.1	NA	70%	130%	101%	70%	130%	100%	70%	130%
1,2,3,6,7,8-Hexa CDF	1	4643382	0.3	0.3	NA	< 0.1	NA	70%	130%	106%	70%	130%	102%	70%	130%
2,3,4,6,7,8-Hexa CDF	1	4643382	0.4	0.4	NA	< 0.1	NA	70%	130%	105%	70%	130%	101%	70%	130%
1,2,3,7,8,9-Hexa CDF	1	4643382	< 0.1	< 0.1	NA	< 0.1	NA	70%	130%	102%	70%	130%	98%	70%	130%
1,2,3,4,6,7,8-Hepta CDF	1	4643382	8.1	7.8	3.8%	< 0.1	NA	70%	130%	103%	70%	130%	98%	70%	130%
1,2,3,4,7,8,9-Hepta CDF	1	4643382	0.4	0.5	NA	< 0.1	NA	70%	130%	100%	70%	130%	99%	70%	130%
Octa CDF	1	4643382	29.3	27.5	6.3%	< 0.1	NA	70%	130%	92%	70%	130%	92%	70%	130%
13C-2,3,7,8-TCDF	1	4643382	80	76%	5.1%	67	NA	30%	140%	78%	30%	140%	83%	30%	140%
13C-1,2,3,7,8-PeCDF	1	4643382	83	79%	4.9%	71	NA	30%	140%	87%	30%	140%	87%	30%	140%
13C-2,3,4,7,8-PeCDF	1	4643382	84	84%	0.0%	76	NA	30%	140%	90%	30%	140%	91%	30%	140%
13C-1,2,3,4,7,8-HxCDF	1	4643382	95	87%	8.8%	77	NA	30%	140%	89%	30%	140%	89%	30%	140%
13C-1,2,3,6,7,8-HxCDF	1	4643382	91	86%	5.6%	77	NA	30%	140%	88%	30%	140%	89%	30%	140%
13C-2,3,4,6,7,8-HxCDF	1	4643382	92	87%	5.6%	77	NA	30%	140%	89%	30%	140%	93%	30%	140%
13C-1,2,3,7,8,9-HxCDF	1	4643382	82	81%	1.2%	74	NA	30%	140%	86%	30%	140%	88%	30%	140%
13C-1,2,3,4,6,7,8-HpCDF	1	4643382	83	76%	8.8%	76	NA	30%	140%	88%	30%	140%	83%	30%	140%
13C-1,2,3,4,7,8,9-HpCDF	1	4643382	76	74%	2.7%	74	NA	30%	140%	86%	30%	140%	83%	30%	140%
13C-2,3,7,8-TCDD	1	4643382	77	82%	6.3%	72	NA	30%	140%	83%	30%	140%	86%	30%	140%
13C-1,2,3,7,8-PeCDD	1	4643382	87	83%	4.7%	78	NA	30%	140%	88%	30%	140%	89%	30%	140%
13C-1,2,3,4,7,8-HxCDD	1	4643382	89	85%	4.6%	78	NA	30%	140%	88%	30%	140%	91%	30%	140%
13C-1,2,3,6,7,8-HxCDD	1	4643382	90	86%	4.5%	78	NA	30%	140%	88%	30%	140%	92%	30%	140%
13C-1,2,3,4,6,7,8-HpCDD	1	4643382	83	78%	6.2%	76	NA	30%	140%	90%	30%	140%	88%	30%	140%
13C-OCDD	1	4643382	73	69%	5.6%	75	NA	30%	140%	91%	30%	140%	83%	30%	140%

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CANADA H4S 1V9
TEL (514)337-1000
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22T983450

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Ultra Trace Analysis (Continued)

RPT Date: Jan 17, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

Comments: NA : Non applicable.

If the RPD value is NA, the results of the duplicates are under 5X the RDL and will not be calculated.

NA as the percentage of recovery for the matrix spike indicates that the result is not provided due to the heterogeneity of the sample or the spiked analyte concentration was lower than the matrix contribution.

NA in the spike blank or CRM indicates that it is not required by the procedure.
Presence of a small contamination in the method blank. The method blank has been subtracted from the samples.

Certified By:

AGAT Laboratories

9770 ROUTE TRANSCANADIENNE
ST. LAURENT, QUEBEC
CANADA H4S 1V9
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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22T983450

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ultra Trace Analysis			
2,3,7,8-Tetra CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8-Penta CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,7,8-Hexa CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,6,7,8-Hexa CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8,9-Hexa CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,6,7,8-Hepta CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Octa CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,7,8-Tetra CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8-Penta CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,4,7,8-Penta CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,7,8-Hexa CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,6,7,8-Hexa CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,4,6,7,8-Hexa CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8,9-Hexa CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,6,7,8-Hepta CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,7,8,9-Hepta CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Octa CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Tetra CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Penta CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Hexa CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Hepta CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total PCDDs	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Tetra CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Penta CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Hexa CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Hepta CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total PCDFs	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,7,8-Tetra CDD (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8-Penta CDD (TEQ	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,7,8-Hexa CDD (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,6,7,8-Hexa CDD (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8,9-Hexa CDD (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,6,7,8-Hepta CDD (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Octa CDD (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,7,8-Tetra CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8-Penta CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,4,7,8-Penta CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,7,8-Hexa CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,6,7,8-Hexa CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8,9-Hexa CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,4,6,7,8-Hexa CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,6,7,8-Hepta CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,7,8,9-Hepta CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Octa CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total PCDDs and PCDFs (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-2,3,7,8-TCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,7,8-PeCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-2,3,4,7,8-PeCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,4,7,8-HxCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC

AGAT Laboratories

9770 ROUTE TRANSCANADIENNE
ST. LAURENT, QUEBEC
CANADA H4S 1V9
TEL (514)337-1000
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http://www.agatlabs.com

Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 22T983450

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
13C-1,2,3,6,7,8-HxCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-2,3,4,6,7,8-HxCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,7,8,9-HxCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,4,6,7,8-HpCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,4,7,8,9-HpCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-2,3,7,8-TCDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,7,8-PeCDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,4,7,8-HxCDD	HR_151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,6,7,8-HxCDD	HR_151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,4,6,7,8-HpCDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-OCDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC

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

Chain of Custody Record

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

Laboratory Use Only 22T983450
Work Order #: 22P983244
Cooler Quantity: 1
Arrival Temperatures: 8.1 | 8.2 | 8.1 (9.5 | 8.6 | 8.1)
Custody Seal Intact: ☐ Yes ☐ No ☒ N/A
Notes: Ice

Report Information:
Company: BluMetric Environmental Inc.
Contact: Paul Bandler
Address: 4 Cataraqui St. Kingston
Phone: 613 453 5496 Fax:
Reports to be sent to:
1. Email: pbandler@blumetric.ca
2. Email: mlloyd@blumetric.ca

Project Information:
Project: 220509
Site Location: Belleville Bakelite
Sampled By: ML
AGAT Quote #: 747248 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: ap@blumetric.ca

Regulatory Requirements:
(Please check all applicable boxes)

☒ Regulation 153/04
Table 7 (Indicate One)
☐ Ind/Com
☒ Res/Park
☐ Agriculture
Soil Texture (Check One)
☒ Coarse
☐ Fine

☐ Excess Soils R406
Table ____ (Indicate One)
☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
____ (Region)
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
____ (Indicate One)

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

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

Turnaround Time (TAT) Required:
Regular TAT ☒ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CPM

Sample Matrix Legend
B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: VOC	O. Reg 153: Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	Formaldehyde	CPs, ABNs	Dioxins/Furans	pH, SAR/EC	Hold	Potentially Hazardous or High Concentration (Y/N)
BH219 SS2	22-12-15	AM/PM	6	Soil			✓		✓	✓		✓							✓	✓			
BH219 SS4	22-12-15	AM/PM	5																			✓	
BH224 SS2	22-12-15	AM/PM	5				✓		✓	✓	✓									✓		✓	
BH224 SS4	22-12-15	AM/PM	5																			✓	
BH211 SS1	22-12-16	AM/PM	6																			✓	
BH211 SS3	22-12-16	AM/PM	6				✓		✓	✓	✓	✓						✓	✓				
BH212 SS1	22-12-16	AM/PM	5																			✓	
BH212 SS4	22-12-16	AM/PM	6				✓		✓	✓	✓	✓						✓	✓				
		AM/PM																					
		AM/PM																					
		AM/PM																					

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
M Lloyd	22-12-19	6:00 am		19 Dec 22	900
			Zaid	Dec 22/22	9:45AM

Page 1 of 1
N°: T - 142313

Document ID: DW-78-1511-032
Pink Copy - Client | Yellow Copy - AGAT | White Copy - AGAT
Date Issued: April 21, 2022

AGAT Laboratories

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

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725

ATTENTION TO: Paul Bandler

PROJECT: 220509

AGAT WORK ORDER: 23P990075

TRACE ORGANICS REVIEWED BY: Pinkal Patel, Report Reviewer

WATER ANALYSIS REVIEWED BY: Nivine Basily, Inorganics Report Writer

DATE REPORTED: Jan 31, 2023

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.

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

Certificate of Analysis

AGAT WORK ORDER: 23P990075

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2023-01-20

DATE REPORTED: 2023-01-31

		SAMPLE DESCRIPTION:		MW121	MW128R	MW202	MW232	MW203	MW204
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-01-19 08:55	2023-01-19 10:10	2023-01-19 12:55	2023-01-19 14:10	2023-01-19 15:35	2023-01-19 17:00
Parameter	Unit	G / S	RDL	4705555	4705557	4705579	4705580	4705581	4705582
Naphthalene	µg/L	7	0.20	<0.20	<0.20	29.3	<0.20	<0.20	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Fluorene	µg/L	290	0.20	<0.20	<0.20	<0.20	0.29	<0.20	<0.20
Phenanthrene	µg/L	380	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Anthracene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	44	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Pyrene	µg/L	5.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzo(a)anthracene	µg/L	1.8	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chrysene	µg/L	0.7	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.75	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.81	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
Dibenz(a,h)anthracene	µg/L	0.4	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
Phenol	µg/L	9600	1.0	<1.0	<1.0	<1.0	2.77	<1.0	<1.0
Bis(2-chloroethyl)ether	µg/L	240000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorophenol	µg/L	2600	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
o-Cresol	µg/L		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroisopropyl)ether	µg/L	20000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m&p-Cresol	µg/L		0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
2,4-Dimethylphenol	µg/L	31000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dichlorophenol	µg/L	3700	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2,4-Trichlorobenzene	µg/L		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Chloroaniline	µg/L	320	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-and 1-methyl Naphthalene	µg/L	1500	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,6-Trichlorophenol	µg/L	180	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,5-Trichlorophenol	µg/L	1300	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Certified By: Jinkal Patel

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

Certificate of Analysis

AGAT WORK ORDER: 23P990075

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2023-01-20

DATE REPORTED: 2023-01-31

				SAMPLE DESCRIPTION:	MW121	MW128R	MW202	MW232	MW203	MW204
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-19 08:55	2023-01-19 10:10	2023-01-19 12:55	2023-01-19 14:10	2023-01-19 15:35	2023-01-19 17:00
Parameter	Unit	G / S	RDL		4705555	4705557	4705579	4705580	4705581	4705582
1,1'-Biphenyl	µg/L	1000	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dimethyl phthalate	µg/L	30	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4 and 2,6-Dinitrotoluene	µg/L	2300	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Diethyl phthalate	µg/L	30	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Pentachlorophenol	µg/L	50	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3,3'-dichlorobenzidine	µg/L	500	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bis(2-Ethylhexyl)phthalate	µg/L	30	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4-Dinitrophenol	µg/L	9000	10		<10	<10	<10	<10	<10	<10
Sediment					NO	NO	NO	NO	NO	NO
Surrogate	Unit	Acceptable Limits								
2-Fluorophenol	%	50-140			89	68	78	68	89	86
phenol-d6 surrogate	%	50-140			76	99	97	60	76	91
2,4,6-Tribromophenol	%	50-140			83	86	68	109	80	80
Chrysene-d12	%	50-140			88	90	102	81	84	89

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4705555-4705582 To meet the MOE Reporting limits the sample extract was analysed using two separate GC/MS methods. The full scan BNA method is capable of detecting most of the compounds at the RDLs except for several PAHs. The PAHs were analysed using a SIM mode GC/MS method.
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.

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

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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AGAT WORK ORDER: 23P990075

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-20

DATE REPORTED: 2023-01-31

				SAMPLE DESCRIPTION:	MW201	GW-Dup1
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2023-01-19 11:45	2023-01-19
Parameter	Unit	G / S	RDL		4705578	4705583
Naphthalene	µg/L	7	0.20		<0.20	<0.20
Acenaphthylene	µg/L	1	0.20		<0.20	<0.20
Acenaphthene	µg/L	17	0.20		<0.20	<0.20
Fluorene	µg/L	290	0.20		<0.20	<0.20
Phenanthrene	µg/L	380	0.10		<0.10	<0.10
Anthracene	µg/L	1	0.10		<0.10	<0.10
Fluoranthene	µg/L	44	0.20		<0.20	<0.20
Pyrene	µg/L	5.7	0.20		<0.20	<0.20
Benzo(a)anthracene	µg/L	1.8	0.20		<0.20	<0.20
Chrysene	µg/L	0.7	0.10		<0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.75	0.10		<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.4	0.10		<0.10	<0.10
Benzo(a)pyrene	µg/L	0.81	0.01		<0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20		<0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.4	0.20		<0.20	<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20		<0.20	<0.20
2-and 1-methyl Naphthalene	µg/L	1500	0.20		<0.20	<0.20
Sediment					NO	NO
Surrogate	Unit	Acceptable Limits				
Naphthalene-d8	%	50-140			103	105
Acridine-d9	%	50-140			94	103
Terphenyl-d14	%	50-140			85	92

Certified By: Jinkal Patel

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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Certificate of Analysis

AGAT WORK ORDER: 23P990075

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-20

DATE REPORTED: 2023-01-31

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4705578-4705583 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: Pinkal Patel

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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Certificate of Analysis

AGAT WORK ORDER: 23P990075

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-20

DATE REPORTED: 2023-01-31

				SAMPLE DESCRIPTION:	MW121	MW128R	MW202	MW232	MW203	MW204
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-19 08:55	2023-01-19 10:10	2023-01-19 12:55	2023-01-19 14:10	2023-01-19 15:35	2023-01-19 17:00
Parameter	Unit	G / S	RDL		4705555	4705557	4705579	4705580	4705581	4705582
Polychlorinated Biphenyls	µg/L	0.2	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate	Unit	Acceptable Limits								
Decachlorobiphenyl	%	60-140			88	96	84	86	105	94

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4705555-4705582 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: Jinkal Patel

AGAT Laboratories

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

AGAT WORK ORDER: 23P990075

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-20

DATE REPORTED: 2023-01-31

				SAMPLE DESCRIPTION:	MW121	MW128R	MW201	MW202	MW232	MW203	MW204	GW-Dup1
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-19 08:55	2023-01-19 10:10	2023-01-19 11:45	2023-01-19 12:55	2023-01-19 14:10	2023-01-19 15:35	2023-01-19 17:00	2023-01-19
Parameter	Unit	G / S	RDL		4705555	4705557	4705578	4705579	4705580	4705581	4705582	4705583
F1 (C6-C10)	µg/L		25		<25	<25	<25	292	<25	<25	124	<25
F1 (C6 to C10) minus BTEX	µg/L	420	25		<25	<25	<25	<25	<25	<25	<25	<25
F2 (C10 to C16)	µg/L	150	100		<100	<100	<100	880	<100	<100	<100	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100	<100	<100	851	<100	<100	<100	<100
F3 (C16 to C34)	µg/L	500	100		<100	<100	<100	121	<100	<100	<100	<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100	<100	<100	121	<100	<100	<100	<100
F4 (C34 to C50)	µg/L	500	100		<100	<100	<100	<100	<100	<100	<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA	NA	NA	NA	NA	NA	NA	NA
Sediment					3	3	1	1	1	1	1	1
Surrogate	Unit	Acceptable Limits										
Toluene-d8	%	50-140			99	101	102	96	101	102	96	104
Terphenyl	% Recovery	60-140			86	97	95	96	88	72	65	68

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4705555-4705583 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.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Pinkal Patel

AGAT Laboratories

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

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AGAT WORK ORDER: 23P990075

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-20

DATE REPORTED: 2023-01-31

SAMPLE DESCRIPTION:				MW121	MW128R	MW201	MW202	MW232	MW203	MW204	GW-Dup1
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2023-01-19 08:55	2023-01-19 10:10	2023-01-19 11:45	2023-01-19 12:55	2023-01-19 14:10	2023-01-19 15:35	2023-01-19 17:00	2023-01-19
Parameter	Unit	G / S	RDL	4705555	4705557	4705578	4705579	4705580	4705581	4705582	4705583
Dichlorodifluoromethane	µg/L	3500	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	2000	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	100000	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	26	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	11	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	21000	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	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	23	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	0.2	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	0.58	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	67000	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	5200	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	320	0.20	<0.20	<0.20	0.29	317	1.87	1.07	146	0.37
Dibromochloromethane	µg/L	65000	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	0.5	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	140	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	54	0.10	<0.10	<0.10	<0.10	0.80	<0.10	<0.10	0.21	<0.10

Certified By: Pinkal Patel

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 23P990075

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-20

DATE REPORTED: 2023-01-31

				SAMPLE DESCRIPTION:	MW121	MW128R	MW201	MW202	MW232	MW203	MW204	GW-Dup1
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-19 08:55	2023-01-19 10:10	2023-01-19 11:45	2023-01-19 12:55	2023-01-19 14:10	2023-01-19 15:35	2023-01-19 17:00	2023-01-19
Parameter	Unit	G / S	RDL		4705555	4705557	4705578	4705579	4705580	4705581	4705582	4705583
m & p-Xylene	µg/L		0.20		<0.20	<0.20	1.01	8.72	<0.20	<0.20	0.50	1.19
Bromoform	µg/L	5	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	43	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	0.5	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	0.50	3.18	<0.10	<0.10	<0.10	0.56
1,3-Dichlorobenzene	µg/L	7600	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	0.5	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	150	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	72	0.20		<0.20	<0.20	1.51	11.9	<0.20	<0.20	0.50	1.75
n-Hexane	µg/L	5	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	3.07
Surrogate	Unit	Acceptable Limits										
Toluene-d8	% Recovery	50-140			99	101	102	96	101	102	96	104
4-Bromofluorobenzene	% Recovery	50-140			86	88	89	96	85	88	86	88

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4705555-4705583 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Jinkal Patel

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 23P990075

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-20

DATE REPORTED: 2023-01-31

SAMPLE DESCRIPTION:				MW121	MW128R	MW201	MW202		MW232		MW203
SAMPLE TYPE:				Water	Water	Water	Water		Water		Water
DATE SAMPLED:				2023-01-19 08:55	2023-01-19 10:10	2023-01-19 11:45	2023-01-19 12:55		2023-01-19 14:10		2023-01-19 15:35
Parameter	Unit	G / S	RDL	4705555	4705557	4705578	4705579	RDL	4705580	RDL	4705581
Dissolved Antimony	µg/L	16000	1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	1.0	<1.0
Dissolved Arsenic	µg/L	1500	1.0	<1.0	<1.0	<1.0	1.4	1.0	1.4	1.0	1.3
Dissolved Barium	µg/L	23000	2.0	80.2	52.3	461	182	2.0	72.2	2.0	404
Dissolved Beryllium	µg/L	53	0.50	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	0.50	<0.50
Dissolved Boron	µg/L	36000	10.0	30.2	40.8	268	39.8	10.0	41.8	10.0	53.8
Dissolved Cadmium	µg/L	2.1	0.20	<0.20	<0.20	<0.20	<0.20	0.20	0.53	0.20	<0.20
Dissolved Chromium	µg/L	640	2.0	<2.0	<2.0	<2.0	<2.0	2.0	<2.0	2.0	<2.0
Dissolved Cobalt	µg/L	52	0.50	<0.50	<0.50	0.69	<0.50	0.50	<0.50	0.50	<0.50
Dissolved Copper	µg/L	69	1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	1.0	<1.0
Dissolved Lead	µg/L	20	0.50	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	0.50	<0.50
Dissolved Molybdenum	µg/L	7300	0.50	<0.50	0.91	5.48	3.00	5.0	1230	0.50	5.88
Dissolved Nickel	µg/L	390	1.0	2.0	1.3	5.4	3.2	1.0	2.3	1.0	1.1
Dissolved Selenium	µg/L	50	1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	1.0	<1.0
Dissolved Silver	µg/L	1.2	0.20	<0.20	<0.20	<0.20	<0.20	0.20	<0.20	0.20	<0.20
Dissolved Thallium	µg/L	400	0.30	<0.30	<0.30	<0.30	<0.30	0.30	<0.30	0.30	<0.30
Dissolved Uranium	µg/L	330	0.50	0.94	1.28	2.01	0.50	0.50	<0.50	0.50	1.09
Dissolved Vanadium	µg/L	200	0.40	<0.40	<0.40	<0.40	<0.40	0.40	<0.40	0.40	<0.40
Dissolved Zinc	µg/L	890	5.0	<5.0	<5.0	<5.0	<5.0	5.0	<5.0	5.0	<5.0
Mercury	µg/L	0.1	0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	0.02	<0.02
Chromium VI	µg/L	110	2	<2	<2	<2	<2	2	<2	2	<2
Cyanide, WAD	µg/L	52	2	<2	<2	<2	<2	2	<2	2	<2
Dissolved Sodium	µg/L	1800000	50	47700	12200	192000	6670	50	35400	50	63200
Chloride	µg/L	1800000	100	31700	16800	533000	4350	100	83500	100	84100
Electrical Conductivity	uS/cm	NA	2	1440	1460	2520	927	2	1070	2	1030
pH	pH Units		NA	7.40	7.56	7.42	7.26	NA	7.52	NA	7.57

Certified By:

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

Certificate of Analysis

AGAT WORK ORDER: 23P990075

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-20

DATE REPORTED: 2023-01-31

				SAMPLE DESCRIPTION:	MW204	GW-Dup1
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2023-01-19 17:00	2023-01-19
Parameter	Unit	G / S	RDL		4705582	4705583
Dissolved Antimony	µg/L	16000	1.0		<1.0	<1.0
Dissolved Arsenic	µg/L	1500	1.0		<1.0	<1.0
Dissolved Barium	µg/L	23000	2.0		73.9	476
Dissolved Beryllium	µg/L	53	0.50		<0.50	<0.50
Dissolved Boron	µg/L	36000	10.0		13.4	250
Dissolved Cadmium	µg/L	2.1	0.20		<0.20	<0.20
Dissolved Chromium	µg/L	640	2.0		<2.0	<2.0
Dissolved Cobalt	µg/L	52	0.50		<0.50	1.11
Dissolved Copper	µg/L	69	1.0		<1.0	<1.0
Dissolved Lead	µg/L	20	0.50		<0.50	<0.50
Dissolved Molybdenum	µg/L	7300	0.50		<0.50	5.83
Dissolved Nickel	µg/L	390	1.0		<1.0	4.3
Dissolved Selenium	µg/L	50	1.0		<1.0	<1.0
Dissolved Silver	µg/L	1.2	0.20		<0.20	<0.20
Dissolved Thallium	µg/L	400	0.30		<0.30	<0.30
Dissolved Uranium	µg/L	330	0.50		<0.50	2.00
Dissolved Vanadium	µg/L	200	0.40		<0.40	<0.40
Dissolved Zinc	µg/L	890	5.0		<5.0	<5.0
Mercury	µg/L	0.1	0.02		<0.02	<0.02
Chromium VI	µg/L	110	2		<2	<2
Cyanide, WAD	µg/L	52	2		<2	<2
Dissolved Sodium	µg/L	1800000	50		16300	198000
Chloride	µg/L	1800000	100		27400	540000
Electrical Conductivity	uS/cm	NA	2		596	2530
pH	pH Units		NA		7.69	7.47

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 23P990075

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-20

DATE REPORTED: 2023-01-31

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4705555-4705583 Metals analysis completed on a filtered sample.

Dilution required, RDL has been increased accordingly.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Exceedance Summary

AGAT WORK ORDER: 23P990075

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4705579	MW202	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Naphthalene	µg/L	7	29.3
4705579	MW202	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	F2 (C10 to C16)	µg/L	150	880
4705579	MW202	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Naphthalene	µg/L	7	29.3

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CANADA L4Z 1Y2
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P990075

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

Trace Organics Analysis

RPT Date: Jan 31, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)															
F1 (C6-C10)	4705184		<25	<25	NA	< 25	85%	60%	140%	95%	60%	140%	90%	60%	140%
F2 (C10 to C16)	4705023		<100	<100	NA	< 100	97%	60%	140%	64%	60%	140%	70%	60%	140%
F3 (C16 to C34)	4705023		<100	<100	NA	< 100	102%	60%	140%	67%	60%	140%	63%	60%	140%
F4 (C34 to C50)	4705023		<100	<100	NA	< 100	93%	60%	140%	66%	60%	140%	82%	60%	140%
O. Reg. 153(511) - PAHs (Water)															
Naphthalene	4713493		<0.20	<0.20	NA	< 0.20	87%	50%	140%	79%	50%	140%	75%	50%	140%
Acenaphthylene	4713493		<0.20	<0.20	NA	< 0.20	109%	50%	140%	89%	50%	140%	98%	50%	140%
Acenaphthene	4713493		<0.20	<0.20	NA	< 0.20	95%	50%	140%	91%	50%	140%	81%	50%	140%
Fluorene	4713493		<0.20	<0.20	NA	< 0.20	106%	50%	140%	98%	50%	140%	89%	50%	140%
Phenanthrene	4713493		<0.10	<0.10	NA	< 0.10	87%	50%	140%	81%	50%	140%	102%	50%	140%
Anthracene	4713493		<0.10	<0.10	NA	< 0.10	96%	50%	140%	101%	50%	140%	110%	50%	140%
Fluoranthene	4713493		<0.20	<0.20	NA	< 0.20	106%	50%	140%	74%	50%	140%	74%	50%	140%
Pyrene	4713493		<0.20	<0.20	NA	< 0.20	76%	50%	140%	97%	50%	140%	101%	50%	140%
Benzo(a)anthracene	4713493		<0.20	<0.20	NA	< 0.20	116%	50%	140%	88%	50%	140%	110%	50%	140%
Chrysene	4713493		<0.10	<0.10	NA	< 0.10	98%	50%	140%	93%	50%	140%	109%	50%	140%
Benzo(b)fluoranthene	4713493		<0.10	<0.10	NA	< 0.10	117%	50%	140%	86%	50%	140%	103%	50%	140%
Benzo(k)fluoranthene	4713493		<0.10	<0.10	NA	< 0.10	103%	50%	140%	87%	50%	140%	101%	50%	140%
Benzo(a)pyrene	4713493		<0.01	<0.01	NA	< 0.01	105%	50%	140%	101%	50%	140%	99%	50%	140%
Indeno(1,2,3-cd)pyrene	4713493		<0.20	<0.20	NA	< 0.20	80%	50%	140%	81%	50%	140%	103%	50%	140%
Dibenz(a,h)anthracene	4713493		<0.20	<0.20	NA	< 0.20	70%	50%	140%	85%	50%	140%	87%	50%	140%
Benzo(g,h,i)perylene	4713493		<0.20	<0.20	NA	< 0.20	112%	50%	140%	100%	50%	140%	100%	50%	140%
O. Reg. 153(511) - PCBs (Water)															
Polychlorinated Biphenyls	4690921		< 0.1	< 0.1	NA	< 0.1	105%	50%	140%	102%	50%	140%	95%	50%	140%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	4705184		<0.40	<0.40	NA	< 0.40	96%	50%	140%	114%	50%	140%	75%	50%	140%
Vinyl Chloride	4705184		<0.17	<0.17	NA	< 0.17	82%	50%	140%	74%	50%	140%	71%	50%	140%
Bromomethane	4705184		<0.20	<0.20	NA	< 0.20	92%	50%	140%	101%	50%	140%	75%	50%	140%
Trichlorofluoromethane	4705184		<0.40	<0.40	NA	< 0.40	102%	50%	140%	101%	50%	140%	82%	50%	140%
Acetone	4705184		<1.0	<1.0	NA	< 1.0	102%	50%	140%	103%	50%	140%	93%	50%	140%
1,1-Dichloroethylene	4705184		<0.30	<0.30	NA	< 0.30	103%	50%	140%	78%	60%	130%	80%	50%	140%
Methylene Chloride	4705184		<0.30	<0.30	NA	< 0.30	102%	50%	140%	91%	60%	130%	92%	50%	140%
trans- 1,2-Dichloroethylene	4705184		<0.20	<0.20	NA	< 0.20	100%	50%	140%	75%	60%	130%	82%	50%	140%
Methyl tert-butyl ether	4705184		<0.20	<0.20	NA	< 0.20	78%	50%	140%	83%	60%	130%	85%	50%	140%
1,1-Dichloroethane	4705184		<0.30	<0.30	NA	< 0.30	116%	50%	140%	91%	60%	130%	96%	50%	140%
Methyl Ethyl Ketone	4705184		<1.0	<1.0	NA	< 1.0	104%	50%	140%	86%	50%	140%	87%	50%	140%
cis- 1,2-Dichloroethylene	4705184		<0.20	<0.20	NA	< 0.20	119%	50%	140%	75%	60%	130%	83%	50%	140%
Chloroform	4705184		<0.20	<0.20	NA	< 0.20	115%	50%	140%	80%	60%	130%	84%	50%	140%
1,2-Dichloroethane	4705184		<0.20	<0.20	NA	< 0.20	105%	50%	140%	82%	60%	130%	95%	50%	140%

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P990075
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:
SAMPLED BY:ML

Trace Organics Analysis (Continued)

RPT Date: Jan 31, 2023

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,1,1-Trichloroethane	4705184		<0.30	<0.30	NA	< 0.30	103%	50%	140%	84%	60%	130%	78%	50%	140%
Carbon Tetrachloride	4705184		<0.20	<0.20	NA	< 0.20	117%	50%	140%	98%	60%	130%	79%	50%	140%
Benzene	4705184		<0.20	<0.20	NA	< 0.20	102%	50%	140%	73%	60%	130%	80%	50%	140%
1,2-Dichloropropane	4705184		<0.20	<0.20	NA	< 0.20	101%	50%	140%	101%	60%	130%	73%	50%	140%
Trichloroethylene	4705184		<0.20	<0.20	NA	< 0.20	101%	50%	140%	97%	60%	130%	104%	50%	140%
Bromodichloromethane	4705184		<0.20	<0.20	NA	< 0.20	104%	50%	140%	105%	60%	130%	75%	50%	140%
Methyl Isobutyl Ketone	4705184		<1.0	<1.0	NA	< 1.0	104%	50%	140%	106%	50%	140%	101%	50%	140%
1,1,2-Trichloroethane	4705184		<0.20	<0.20	NA	< 0.20	92%	50%	140%	85%	60%	130%	104%	50%	140%
Toluene	4705184		<0.20	<0.20	NA	< 0.20	111%	50%	140%	77%	60%	130%	84%	50%	140%
Dibromochloromethane	4705184		<0.10	<0.10	NA	< 0.10	116%	50%	140%	90%	60%	130%	101%	50%	140%
Ethylene Dibromide	4705184		<0.10	<0.10	NA	< 0.10	108%	50%	140%	95%	60%	130%	107%	50%	140%
Tetrachloroethylene	4705184		<0.20	<0.20	NA	< 0.20	98%	50%	140%	75%	60%	130%	80%	50%	140%
1,1,1,2-Tetrachloroethane	4705184		<0.10	<0.10	NA	< 0.10	87%	50%	140%	76%	60%	130%	79%	50%	140%
Chlorobenzene	4705184		<0.10	<0.10	NA	< 0.10	111%	50%	140%	74%	60%	130%	83%	50%	140%
Ethylbenzene	4705184		<0.10	<0.10	NA	< 0.10	91%	50%	140%	73%	60%	130%	81%	50%	140%
m & p-Xylene	4705184		<0.20	<0.20	NA	< 0.20	119%	50%	140%	74%	60%	130%	83%	50%	140%
Bromoform	4705184		<0.10	<0.10	NA	< 0.10	101%	50%	140%	98%	60%	130%	118%	50%	140%
Styrene	4705184		<0.10	<0.10	NA	< 0.10	114%	50%	140%	76%	60%	130%	75%	50%	140%
1,1,2,2-Tetrachloroethane	4705184		<0.10	<0.10	NA	< 0.10	113%	50%	140%	93%	60%	130%	108%	50%	140%
o-Xylene	4705184		<0.10	<0.10	NA	< 0.10	116%	50%	140%	75%	60%	130%	86%	50%	140%
1,3-Dichlorobenzene	4705184		<0.10	<0.10	NA	< 0.10	108%	50%	140%	79%	60%	130%	88%	50%	140%
1,4-Dichlorobenzene	4705184		<0.10	<0.10	NA	< 0.10	104%	50%	140%	81%	60%	130%	91%	50%	140%
1,2-Dichlorobenzene	4705184		<0.10	<0.10	NA	< 0.10	105%	50%	140%	78%	60%	130%	89%	50%	140%
n-Hexane	4705184		<0.20	<0.20	NA	< 0.20	98%	50%	140%	103%	60%	130%	89%	50%	140%
O. Reg. 153(511) - BNA (full) + PAHs (Water)															
Naphthalene	4468334		< 0.20	< 0.20	NA	< 0.20	89%	50%	140%	88%	50%	140%	115%	50%	140%
Acenaphthylene	4468334		< 0.20	< 0.20	NA	< 0.20	76%	50%	140%	94%	50%	140%	98%	50%	140%
Acenaphthene	4468334		< 0.20	< 0.20	NA	< 0.20	80%	50%	140%	80%	50%	140%	65%	50%	140%
Fluorene	4468334		< 0.20	< 0.20	NA	< 0.20	105%	50%	140%	105%	50%	140%	67%	50%	140%
Phenanthrene	4468334		< 0.10	< 0.10	NA	< 0.10	101%	50%	140%	83%	50%	140%	75%	50%	140%
Anthracene	4468334		< 0.10	< 0.10	NA	< 0.10	87%	50%	140%	101%	50%	140%	90%	50%	140%
Fluoranthene	4468334		< 0.20	< 0.20	NA	< 0.20	85%	50%	140%	85%	50%	140%	101%	50%	140%
Pyrene	4468334		< 0.20	< 0.20	NA	< 0.20	76%	50%	140%	93%	50%	140%	98%	50%	140%
Benzo(a)anthracene	4468334		< 0.20	< 0.20	NA	< 0.20	82%	50%	140%	95%	50%	140%	89%	50%	140%
Chrysene	4468334		< 0.10	< 0.10	NA	< 0.10	101%	50%	140%	98%	50%	140%	85%	50%	140%
Benzo(b)fluoranthene	4468334		< 0.10	< 0.10	NA	< 0.10	89%	50%	140%	89%	50%	140%	71%	50%	140%
Benzo(k)fluoranthene	4468334		< 0.10	< 0.10	NA	< 0.10	89%	50%	140%	88%	50%	140%	92%	50%	140%
Benzo(a)pyrene	4468334		< 0.01	< 0.01	NA	< 0.01	76%	50%	140%	64%	50%	140%	81%	50%	140%
Indeno(1,2,3-cd)pyrene	4468334		< 0.20	< 0.20	NA	< 0.20	101%	50%	140%	101%	50%	140%	78%	50%	140%

AGAT Laboratories

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P990075

PROJECT: 220509
ATTENTION TO: Paul Bandler

SAMPLING SITE:
SAMPLED BY:ML

Trace Organics Analysis (Continued)

RPT Date: Jan 31, 2023

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
Dibenz(a,h)anthracene	4468334		< 0.20	< 0.20	NA	< 0.20	78%	50%	140%	98%	50%	140%	85%	50%	140%
Benzo(g,h,i)perylene	4468334		< 0.20	< 0.20	NA	< 0.20	88%	50%	140%	89%	50%	140%	99%	50%	140%
Phenol	4468334		< 1.0	< 1.0	NA	< 1.0	89%	30%	130%	108%	30%	130%	86%	30%	130%
Bis(2-chloroethyl)ether	4468334		< 0.5	< 0.5	NA	< 0.5	86%	50%	140%	97%	50%	140%	91%	50%	140%
2-Chlorophenol	4468334		< 0.5	< 0.5	NA	< 0.5	91%	50%	140%	68%	50%	140%	80%	50%	140%
o-Cresol	4468334		< 0.5	< 0.5	NA	< 0.5	80%	50%	140%	64%	50%	140%	102%	50%	140%
Bis(2-chloroisopropyl)ether	4468334		< 0.5	< 0.5	NA	< 0.5	102%	50%	140%	83%	50%	140%	67%	50%	140%
m&p-Cresol	4468334		< 0.6	< 0.6	NA	< 0.6	68%	50%	140%	105%	50%	140%	98%	50%	140%
2,4-Dimethylphenol	4468334		< 0.5	< 0.5	NA	< 0.5	94%	30%	130%	98%	30%	130%	106%	30%	130%
2,4-Dichlorophenol	4468334		< 0.3	< 0.3	NA	< 0.3	83%	50%	140%	76%	50%	140%	98%	50%	140%
1,2,4-Trichlorobenzene	4468334		< 0.5	< 0.5	NA	< 0.5	61%	50%	140%	112%	50%	140%	88%	50%	140%
p-Chloroaniline	4468334		< 1.0	< 1.0	NA	< 1.0	86%	30%	130%	91%	30%	130%	73%	30%	130%
2,4,6-Trichlorophenol	4468334		< 0.20	< 0.20	NA	< 0.20	88%	50%	140%	68%	50%	140%	89%	50%	140%
2,4,5-Trichlorophenol	4468334		< 0.20	< 0.20	NA	< 0.20	91%	50%	140%	91%	50%	140%	76%	50%	140%
1,1'-Biphenyl	4468334		< 0.50	< 0.50	NA	< 0.50	80%	50%	140%	83%	50%	140%	88%	50%	140%
Dimethyl phthalate	4468334		< 0.50	< 0.50	NA	< 0.50	102%	50%	140%	64%	50%	140%	106%	50%	140%
Diethyl phthalate	4468334		< 0.50	< 0.50	NA	< 0.50	56%	50%	140%	64%	50%	140%	67%	50%	140%
Pentachlorophenol	4468334		< 0.50	< 0.50	NA	< 0.50	89%	50%	140%	89%	50%	140%	67%	50%	140%
3,3'-dichlorobenzidine	4468334		< 0.50	< 0.50	NA	< 0.50	88%	30%	130%	91%	30%	130%	73%	30%	130%
Bis(2-Ethylhexyl)phthalate	4468334		< 0.50	< 0.50	NA	< 0.50	89%	50%	140%	105%	50%	140%	71%	50%	140%
2,4-Dinitrophenol	4468334		< 10	< 10	NA	< 10	84%	30%	130%	67%	30%	130%	98%	30%	130%

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

Certified By: Jinkal Patel

AGAT Laboratories

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P990075

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

Water Analysis

RPT Date: Jan 31, 2023

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Water)															
Dissolved Antimony	4704289		<1.0	<1.0	NA	< 1.0	99%	70%	130%	109%	80%	120%	102%	70%	130%
Dissolved Arsenic	4704289		<1.0	1.2	NA	< 1.0	94%	70%	130%	101%	80%	120%	97%	70%	130%
Dissolved Barium	4704289		230	222	3.6%	< 2.0	100%	70%	130%	111%	80%	120%	99%	70%	130%
Dissolved Beryllium	4704289		<0.50	<0.50	NA	< 0.50	92%	70%	130%	102%	80%	120%	105%	70%	130%
Dissolved Boron	4704289		78.5	82.5	5.0%	< 10.0	99%	70%	130%	107%	80%	120%	107%	70%	130%
Dissolved Cadmium	4704289		<0.20	<0.20	NA	< 0.20	101%	70%	130%	102%	80%	120%	98%	70%	130%
Dissolved Chromium	4704289		<2.0	<2.0	NA	< 2.0	99%	70%	130%	100%	80%	120%	93%	70%	130%
Dissolved Cobalt	4704289		<0.50	0.76	NA	< 0.50	102%	70%	130%	96%	80%	120%	94%	70%	130%
Dissolved Copper	4704289		<1.0	<1.0	NA	< 1.0	99%	70%	130%	97%	80%	120%	89%	70%	130%
Dissolved Lead	4704289		<0.50	<0.50	NA	< 0.50	96%	70%	130%	104%	80%	120%	99%	70%	130%
Dissolved Molybdenum	4704289		1.95	1.40	NA	< 0.50	102%	70%	130%	100%	80%	120%	97%	70%	130%
Dissolved Nickel	4704289		4.2	2.7	NA	< 1.0	102%	70%	130%	97%	80%	120%	94%	70%	130%
Dissolved Selenium	4704289		10	<10	NA	< 1.0	97%	70%	130%	100%	80%	120%	98%	70%	130%
Dissolved Silver	4704289		<0.20	<0.20	NA	< 0.20	103%	70%	130%	97%	80%	120%	89%	70%	130%
Dissolved Thallium	4704289		<0.30	<0.30	NA	< 0.30	97%	70%	130%	106%	80%	120%	101%	70%	130%
Dissolved Uranium	4704289		1.15	1.18	NA	< 0.50	98%	70%	130%	108%	80%	120%	103%	70%	130%
Dissolved Vanadium	4704289		<0.40	<0.40	NA	< 0.40	103%	70%	130%	103%	80%	120%	98%	70%	130%
Dissolved Zinc	4704289		16.6	19.8	NA	< 5.0	102%	70%	130%	100%	80%	120%	89%	70%	130%
Mercury	4705555	4705555	<0.02	<0.02	NA	< 0.02	102%	70%	130%	103%	80%	120%	98%	70%	130%
Chromium VI	4705023		<2	<2	NA	< 2	102%	70%	130%	92%	80%	120%	101%	70%	130%
Cyanide, WAD	4705017		<2	<2	NA	< 2	96%	70%	130%	104%	80%	120%	103%	70%	130%
Dissolved Sodium	4704289		166000	171000	3.2%	< 50	107%	70%	130%	113%	80%	120%	108%	70%	130%
Chloride	4705580	4705580	83500	87700	5.0%	< 100	95%	70%	130%	97%	80%	120%	103%	70%	130%
Electrical Conductivity	4703317		698	707	1.2%	< 2	106%	90%	110%						
pH	4703317		7.65	7.75	1.3%	NA	100%	90%	110%						

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

Certified By:

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: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P990075

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluorene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenanthrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(b)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(k)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dibenz(a,h)anthracene	ORG-91-5114	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroethyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Chlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
o-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroisopropyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
m&p-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dimethylphenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,2,4-Trichlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
p-Chloroaniline	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-and 1-methyl Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P990075

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:ML

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
2,4,6-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,5-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,1'-Biphenyl	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dimethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4 and 2,6-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
Diethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pentachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
3,3'-dichlorobenzidine	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-Ethylhexyl)phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Fluorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
phenol-d6 surrogate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Tribromophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene-d12	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Sediment			N/A
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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P990075
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:
SAMPLED BY:ML

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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P990075

PROJECT: 220509

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SAMPLING SITE:

SAMPLED BY:ML

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
1,2-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Benzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromodichloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Toluene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Dibromochloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Ethylbenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P990075

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
4-Bromofluorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Mercury	MET-93-6100	modified from EPA 245.2 and SM 3112 B	CVAAS
Chromium VI	INOR-93-6073	modified from SM 3500-CR B	LACHAT FIA
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015, SM 4500-CN- I, G-387	TECHNICON AUTO ANALYZER
Dissolved Sodium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP/MS
Chloride	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Electrical Conductivity	INOR-93-6000	SM 2510 B	PC TITRATE
pH	INOR-93-6000	modified from SM 4500-H+ B	PC TITRATE

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3.8, 3.4, 3.9 — 3 large loose ice — 4.3, 4.4, 4.8 — 2.4, 2.9, 2.6

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

Chain of Custody Record

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

Laboratory Use Only

Work Order #: 23P990075

Cooler Quantity: 3

Arrival Temperatures: 8.9 | 8.2 | 8.6

Custody Seal Intact: ☐ Yes ☐ No ☐ N/A

Notes: Ice.

Report Information:

Company: BluMetric Environmental Inc
Contact: Paul Bandler
Address: 4 Cataraqui St, Kingston ON
Phone: 613-453-5496 Fax:
Reports to be sent to:
1. Email: pbandler@blumetric.ca
2. Email: mlloyd@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04
Table 7 (Indicate One)
☐ Ind/Com ☑ Res/Park ☐ Agriculture
Soil Texture (Check One): ☐ Coarse ☐ Fine

☐ Excess Soils R406
Table (Indicate One)

☐ Regulation 558

☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other
Indicate One

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

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

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Project Information:

Project: 220509
Site Location: Bakelite Belleville
Sampled By: ML
AGAT Quote #: 747248 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: ap@blumetric.ca

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered (Metals, Hg, CrVI, DOC) Y/N	O. Reg 153: Metals & Inorganics	Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	BTEX, F1-F4 PHCs	PAHs	PCBs	VOC	Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	CPs, ABNs							Potentially Hazardous or High Concentration (Y/N)
MW121	23-01-19	8:55 AM/PM	18	GW		Y	✓		✓	✓	✓	✓						✓							
MW128R		10:10 AM/PM	18	GW		Y	✓		✓	✓	✓	✓						✓							
MW201		11:45 AM/PM	18	GW		Y	✓		✓	✓		✓													
MW202		12:55 AM/PM	18	GW		Y	✓		✓	✓	✓	✓						✓							
MW237		14:10 AM/PM	18	GW		Y	✓		✓	✓	✓	✓						✓							
MW203		15:35 AM/PM	18	GW		Y	✓		✓	✓	✓	✓						✓							
MW204		7:00 AM/PM	18	GW		Y	✓		✓	✓	✓	✓						✓							
GW-Dupl		— AM/PM	18	GW		Y	✓		✓	✓		✓													
		AM/PM																							
		AM/PM																							
		AM/PM																							

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
M Lloyd	23-01-20	6:00 am	Kary Jones	Jan 20/23	8am
	Jan 20/23	16:00	GW/NET V	01/21/23	10:30AM

Page 1 of 1

No: T-138907

Document ID: DIV-78-1511.022

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

AGAT Laboratories

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

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725

ATTENTION TO: Paul Bandler

PROJECT: 220509

AGAT WORK ORDER: 23P990590

TRACE ORGANICS REVIEWED BY: Roza Makhtari, Chimiste, AGAT Montréal

WATER ANALYSIS REVIEWED BY: Amanjot Bhela, Inorganic Lab Manager

DATE REPORTED: Feb 02, 2023

PAGES (INCLUDING COVER): 24

VERSION*: 1

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

*Notes

Disclaimer:

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

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MISSISSAUGA, ONTARIO
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Certificate of Analysis

AGAT WORK ORDER: 23P990590

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Formaldéhyde (eau)

DATE RECEIVED: 2023-01-23

DATE REPORTED: 2023-02-02

				SAMPLE DESCRIPTION:	MW215	GW-Dup2	MW207
				SAMPLE TYPE:	Water	Water	Water
				DATE SAMPLED:	2023-01-23 08:40	2023-01-23	2023-01-23 10:15
Parameter	Unit	G / S	RDL		4722042	4722050	4722051
Formaldéhyde	µg/L		10		<10	<10	<10
Surrogate	Unit	Acceptable Limits					
2,3,5,6-Tétrafluorobenzaldéhyde	%	40-140			115	115	116

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

4722042-4722051 Une LDR plus élevée indique qu'une dilution a été effectuée afin de réduire la concentration des analytes ou de réduire l'interférence de la matrice.

Analysis performed at AGAT Montréal (unless marked by *)

Certified By:

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 23P990590

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2023-01-23

DATE REPORTED: 2023-02-02

SAMPLE DESCRIPTION:				MW215	Field Blank	GW-Dup2	MW207	MW205	MW235	MW234	MW228
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2023-01-23 08:40	2023-01-23 08:00	2023-01-23	2023-01-23 10:15	2023-01-23 12:00	2023-01-23 13:30	2023-01-23 15:00	2023-01-23 16:30
Parameter	Unit	G / S	RDL	4722042	4722048	4722050	4722051	4722054	4722055	4722056	4722057
Naphthalene	µg/L	7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Fluorene	µg/L	290	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Phenanthrene	µg/L	380	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Anthracene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	44	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Pyrene	µg/L	5.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzo(a)anthracene	µg/L	1.8	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chrysene	µg/L	0.7	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.75	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.81	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	0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.4	0.20	0.57	<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	0.63	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Phenol	µg/L	9600	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bis(2-chloroethyl)ether	µg/L	240000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorophenol	µg/L	2600	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
o-Cresol	µg/L		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroisopropyl)ether	µg/L	20000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m&p-Cresol	µg/L		0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
2,4-Dimethylphenol	µg/L	31000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dichlorophenol	µg/L	3700	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2,4-Trichlorobenzene	µg/L		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Chloroaniline	µg/L	320	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-and 1-methyl Naphthalene	µg/L	1500	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,6-Trichlorophenol	µg/L	180	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,5-Trichlorophenol	µg/L	1300	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

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

Certificate of Analysis

AGAT WORK ORDER: 23P990590

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2023-01-23

DATE REPORTED: 2023-02-02

				SAMPLE DESCRIPTION:	MW215	Field Blank	GW-Dup2	MW207	MW205	MW235	MW234	MW228
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-23 08:40	2023-01-23 08:00	2023-01-23	2023-01-23 10:15	2023-01-23 12:00	2023-01-23 13:30	2023-01-23 15:00	2023-01-23 16:30
Parameter	Unit	G / S	RDL		4722042	4722048	4722050	4722051	4722054	4722055	4722056	4722057
1,1'-Biphenyl	µg/L	1000	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dimethyl phthalate	µg/L	30	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4 and 2,6-Dinitrotoluene	µg/L	2300	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Diethyl phthalate	µg/L	30	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Pentachlorophenol	µg/L	50	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3,3'-dichlorobenzidine	µg/L	500	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bis(2-Ethylhexyl)phthalate	µg/L	30	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4-Dinitrophenol	µg/L	9000	10		<10	<10	<10	<10	<10	<10	<10	<10
Sediment					NO	NO	NO	NO	NO	NO	NO	NO
Surrogate	Unit	Acceptable Limits										
2-Fluorophenol	%	50-140			81	77	79	86	79	89	89	71
phenol-d6 surrogate	%	50-140			72	91	80	97	86	76	77	76
2,4,6-Tribromophenol	%	50-140			104	86	105	76	102	77	68	86
Chrysene-d12	%	50-140			76	80	113	81	97	90	106	83

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4722042-4722057 To meet the MOE Reporting limits the sample extract was analysed using two separate GC/MS methods. The full scan BNA method is capable of detecting most of the compounds at the RDLs except for several PAHs. The PAHs were analysed using a SIM mode GC/MS method.
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.

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

Analysis performed at AGAT Toronto (unless marked by *)

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

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AGAT WORK ORDER: 23P990590

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-01-23

DATE REPORTED: 2023-02-02

				SAMPLE DESCRIPTION:	MW215	Field Blank	GW-Dup2	MW207	MW205	MW235	MW234	MW228
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-23 08:40	2023-01-23 08:00	2023-01-23	2023-01-23 10:15	2023-01-23 12:00	2023-01-23 13:30	2023-01-23 15:00	2023-01-23 16:30
Parameter	Unit	G / S	RDL		4722042	4722048	4722050	4722051	4722054	4722055	4722056	4722057
Polychlorinated Biphenyls	µg/L	0.2	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			71	81	89	74	77	82	80	80

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4722042-4722057 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 *)

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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AGAT WORK ORDER: 23P990590

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-01-23

DATE REPORTED: 2023-02-02

				SAMPLE DESCRIPTION:	MW215	Field Blank	GW-Dup2	MW207	MW205	MW235	MW234	MW228
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-23 08:40	2023-01-23 08:00	2023-01-23	2023-01-23 10:15	2023-01-23 12:00	2023-01-23 13:30	2023-01-23 15:00	2023-01-23 16:30
Parameter	Unit	G / S	RDL		4722042	4722048	4722050	4722051	4722054	4722055	4722056	4722057
F1 (C6-C10)	µg/L		25		<25	<25	<25	72	329	<25	<25	<25
F1 (C6 to C10) minus BTEX	µg/L	420	25		<25	<25	<25	<25	<25	<25	<25	<25
F2 (C10 to C16)	µg/L	150	100		<100	<100	<100	<100	<100	<100	<100	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100	<100	<100	<100	<100	<100	<100	<100
F3 (C16 to C34)	µg/L	500	100		<100	<100	<100	<100	<100	<100	<100	<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100	<100	<100	<100	<100	<100	<100	<100
F4 (C34 to C50)	µg/L	500	100		<100	<100	<100	<100	<100	<100	<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA	NA	NA	NA	NA	NA	NA	NA
Sediment					1	1	1	1	1	3	1	3
Surrogate	Unit	Acceptable Limits										
Toluene-d8	%	50-140			102	106	105	105	108	107	105	108
Terphenyl	% Recovery	60-140			88	83	96	68	72	78	84	70

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CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-01-23

DATE REPORTED: 2023-02-02

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4722042-4722057 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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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-01-23

DATE REPORTED: 2023-02-02

SAMPLE DESCRIPTION:				MW215	Field Blank	GW-Dup2	MW207	MW205	MW235	MW234	MW228
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2023-01-23 08:40	2023-01-23 08:00	2023-01-23	2023-01-23 10:15	2023-01-23 12:00	2023-01-23 13:30	2023-01-23 15:00	2023-01-23 16:30
Parameter	Unit	G / S	RDL	4722042	4722048	4722050	4722051	4722054	4722055	4722056	4722057
Dichlorodifluoromethane	µg/L	3500	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	2000	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	100000	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	26	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	11	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	21000	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	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	23	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	0.2	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	0.5	0.20	<0.20	<0.20	<0.20	30.6	141	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	0.58	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	67000	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	5200	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	320	0.20	<0.20	<0.20	<0.20	2.17	124	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	65000	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	0.5	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	140	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	54	0.10	<0.10	<0.10	<0.10	<0.10	1.83	<0.10	<0.10	<0.10

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MISSISSAUGA, ONTARIO
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Certificate of Analysis

AGAT WORK ORDER: 23P990590

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-01-23

DATE REPORTED: 2023-02-02

				SAMPLE DESCRIPTION:	MW215	Field Blank	GW-Dup2	MW207	MW205	MW235	MW234	MW228
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-23 08:40	2023-01-23 08:00	2023-01-23	2023-01-23 10:15	2023-01-23 12:00	2023-01-23 13:30	2023-01-23 15:00	2023-01-23 16:30
Parameter	Unit	G / S	RDL		4722042	4722048	4722050	4722051	4722054	4722055	4722056	4722057
m & p-Xylene	µg/L		0.20		<0.20	<0.20	<0.20	10.6	29.8	<0.20	<0.20	<0.20
Bromoform	µg/L	5	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	43	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	0.5	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	8.68	8.52	<0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	7600	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	0.5	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	150	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	72	0.20		<0.20	<0.20	<0.20	19.3	38.3	<0.20	<0.20	<0.20
n-Hexane	µg/L	5	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	Unit	Acceptable Limits										
Toluene-d8	% Recovery	50-140			102	106	105	105	108	107	105	108
4-Bromofluorobenzene	% Recovery	50-140			83	88	87	96	95	88	90	83

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4722042-4722057 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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

Certificate of Analysis

AGAT WORK ORDER: 23P990590

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-01-23

DATE REPORTED: 2023-02-02

SAMPLE DESCRIPTION:				MW215	Field Blank	GW-Dup2		MW207		MW205	MW235
SAMPLE TYPE:				Water	Water	Water		Water		Water	Water
DATE SAMPLED:				2023-01-23 08:40	2023-01-23 08:00	2023-01-23		2023-01-23 10:15		2023-01-23 12:00	2023-01-23 13:30
Parameter	Unit	G / S	RDL	4722042	4722048	4722050	RDL	4722051	RDL	4722054	4722055
Dissolved Antimony	µg/L	16000	1.0	<1.0	<1.0	<1.0	1.0	<1.0	1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	1500	1.0	<1.0	<1.0	1.2	1.0	6.4	1.0	2.2	<1.0
Dissolved Barium	µg/L	23000	2.0	78.1	<2.0	78.9	2.0	124	2.0	62.8	210
Dissolved Beryllium	µg/L	53	0.50	<0.50	<0.50	<0.50	0.50	<0.50	0.50	<0.50	<0.50
Dissolved Boron	µg/L	36000	10.0	826	<10.0	834	10.0	641	10.0	535	72.2
Dissolved Cadmium	µg/L	2.1	0.20	<0.20	<0.20	<0.20	0.20	<0.20	0.20	<0.20	<0.20
Dissolved Chromium	µg/L	640	2.0	<2.0	<2.0	<2.0	2.0	<2.0	2.0	<2.0	<2.0
Dissolved Cobalt	µg/L	52	0.50	<0.50	<0.50	<0.50	0.50	<0.50	0.50	<0.50	<0.50
Dissolved Copper	µg/L	69	1.0	<1.0	<1.0	<1.0	1.0	<1.0	1.0	<1.0	<1.0
Dissolved Lead	µg/L	20	0.50	<0.50	<0.50	<0.50	0.50	1.08	0.50	0.92	1.87
Dissolved Molybdenum	µg/L	7300	0.50	12.8	<0.50	12.4	0.50	106	0.50	7.14	0.56
Dissolved Nickel	µg/L	390	1.0	1.6	<1.0	1.3	1.0	1.6	1.0	<1.0	<1.0
Dissolved Selenium	µg/L	50	1.0	1.2	<1.0	<1.0	1.0	3.3	1.0	1.0	<1.0
Dissolved Silver	µg/L	1.2	0.20	<0.20	<0.20	<0.20	0.20	<0.20	0.20	<0.20	<0.20
Dissolved Thallium	µg/L	400	0.30	<0.30	<0.30	<0.30	0.30	<0.30	0.30	<0.30	<0.30
Dissolved Uranium	µg/L	330	0.50	<0.50	<0.50	<0.50	0.50	4.47	0.50	1.70	<0.50
Dissolved Vanadium	µg/L	200	0.40	<0.40	<0.40	<0.40	0.40	<0.40	0.40	<0.40	<0.40
Dissolved Zinc	µg/L	890	5.0	<5.0	<5.0	<5.0	5.0	<5.0	5.0	<5.0	<5.0
Mercury	µg/L	0.1	0.02	<0.02	<0.02	<0.02	0.02	<0.02	0.02	<0.02	<0.02
Chromium VI	µg/L	110	2.000	<2.000	<2.000	<2.000	2.000	<2.000	2.000	<2.000	<2.000
Cyanide, WAD	µg/L	52	2	<2	<2	<2	2	<2	2	<2	<2
Dissolved Sodium	µg/L	1800000	50	21700	<50	21200	100	669000	50	216000	265000
Chloride	µg/L	1800000	100	12600	<100	12800	122	1060000	100	228000	756000
Electrical Conductivity	uS/cm	NA	2	873	<2	876	2	4500	2	1650	3240
pH	pH Units		NA	7.34	6.36	7.24	NA	7.59	NA	7.68	7.46

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

Certificate of Analysis

AGAT WORK ORDER: 23P990590

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-01-23

DATE REPORTED: 2023-02-02

				SAMPLE DESCRIPTION:	MW234	MW228
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2023-01-23 15:00	2023-01-23 16:30
Parameter	Unit	G / S	RDL		4722056	4722057
Dissolved Antimony	µg/L	16000	1.0		<1.0	<1.0
Dissolved Arsenic	µg/L	1500	1.0		<1.0	1.2
Dissolved Barium	µg/L	23000	2.0		119	98.0
Dissolved Beryllium	µg/L	53	0.50		<0.50	<0.50
Dissolved Boron	µg/L	36000	10.0		69.7	49.1
Dissolved Cadmium	µg/L	2.1	0.20		<0.20	<0.20
Dissolved Chromium	µg/L	640	2.0		<2.0	<2.0
Dissolved Cobalt	µg/L	52	0.50		<0.50	3.06
Dissolved Copper	µg/L	69	1.0		<1.0	3.1
Dissolved Lead	µg/L	20	0.50		1.01	<0.50
Dissolved Molybdenum	µg/L	7300	0.50		8.02	7.00
Dissolved Nickel	µg/L	390	1.0		1.1	2.6
Dissolved Selenium	µg/L	50	1.0		<1.0	<1.0
Dissolved Silver	µg/L	1.2	0.20		<0.20	<0.20
Dissolved Thallium	µg/L	400	0.30		<0.30	<0.30
Dissolved Uranium	µg/L	330	0.50		<0.50	4.00
Dissolved Vanadium	µg/L	200	0.40		<0.40	0.80
Dissolved Zinc	µg/L	890	5.0		<5.0	8.1
Mercury	µg/L	0.1	0.02		<0.02	<0.02
Chromium VI	µg/L	110	2.000		<2.000	<2.000
Cyanide, WAD	µg/L	52	2		<2	<2
Dissolved Sodium	µg/L	1800000	50		91100	69300
Chloride	µg/L	1800000	100		247000	85500
Electrical Conductivity	uS/cm	NA	2		1680	2220
pH	pH Units		NA		7.42	7.45

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 23P990590

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

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

DATE RECEIVED: 2023-01-23

DATE REPORTED: 2023-02-02

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4722042-4722050	Metals analysis completed on a filtered sample.
4722051	Metals analysis completed on a filtered sample. Dilution required, RDL has been increased accordingly.
4722054	Metals analysis completed on a filtered sample.
4722055	Metals analysis completed on a filtered sample. Dilution required, RDL has been increased accordingly.
4722056-4722057	Metals analysis completed on a filtered sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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

Exceedance Summary

AGAT WORK ORDER: 23P990590

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4722042	MW215	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Benzo(g,h,i)perylene	µg/L	0.2	0.63
4722042	MW215	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Dibenz(a,h)anthracene	µg/L	0.4	0.57
4722042	MW215	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.50
4722042	MW215	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Dibenzo(a,h)anthracene	µg/L	0.4	0.57
4722042	MW215	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.50
4722051	MW207	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Benzene	µg/L	0.5	30.6
4722051	MW207	ON T7 NPGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Benzene	µg/L	0.5	30.6
4722054	MW205	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Benzene	µg/L	0.5	141
4722054	MW205	ON T7 NPGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Benzene	µg/L	0.5	141

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P990590

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis

RPT Date: Feb 02, 2023

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - BNA (full) + PAHs (Water)															
Naphthalene	4468334		< 0.20	< 0.20	NA	< 0.20	89%	50%	140%	88%	50%	140%	115%	50%	140%
Acenaphthylene	4468334		< 0.20	< 0.20	NA	< 0.20	76%	50%	140%	94%	50%	140%	98%	50%	140%
Acenaphthene	4468334		< 0.20	< 0.20	NA	< 0.20	80%	50%	140%	80%	50%	140%	65%	50%	140%
Fluorene	4468334		< 0.20	< 0.20	NA	< 0.20	105%	50%	140%	105%	50%	140%	67%	50%	140%
Phenanthrene	4468334		< 0.10	< 0.10	NA	< 0.10	101%	50%	140%	83%	50%	140%	75%	50%	140%
Anthracene	4468334		< 0.10	< 0.10	NA	< 0.10	87%	50%	140%	101%	50%	140%	90%	50%	140%
Fluoranthene	4468334		< 0.20	< 0.20	NA	< 0.20	85%	50%	140%	85%	50%	140%	101%	50%	140%
Pyrene	4468334		< 0.20	< 0.20	NA	< 0.20	76%	50%	140%	93%	50%	140%	98%	50%	140%
Benzo(a)anthracene	4468334		< 0.20	< 0.20	NA	< 0.20	82%	50%	140%	95%	50%	140%	89%	50%	140%
Chrysene	4468334		< 0.10	< 0.10	NA	< 0.10	101%	50%	140%	98%	50%	140%	85%	50%	140%
Benzo(b)fluoranthene	4468334		< 0.10	< 0.10	NA	< 0.10	89%	50%	140%	89%	50%	140%	71%	50%	140%
Benzo(k)fluoranthene	4468334		< 0.10	< 0.10	NA	< 0.10	89%	50%	140%	88%	50%	140%	92%	50%	140%
Benzo(a)pyrene	4468334		< 0.01	< 0.01	NA	< 0.01	76%	50%	140%	64%	50%	140%	81%	50%	140%
Indeno(1,2,3-cd)pyrene	4468334		< 0.20	< 0.20	NA	< 0.20	101%	50%	140%	101%	50%	140%	78%	50%	140%
Dibenz(a,h)anthracene	4468334		< 0.20	< 0.20	NA	< 0.20	78%	50%	140%	98%	50%	140%	85%	50%	140%
Benzo(g,h,i)perylene	4468334		< 0.20	< 0.20	NA	< 0.20	88%	50%	140%	89%	50%	140%	99%	50%	140%
Phenol	4468334		< 1.0	< 1.0	NA	< 1.0	89%	30%	130%	108%	30%	130%	86%	30%	130%
Bis(2-chloroethyl)ether	4468334		< 0.5	< 0.5	NA	< 0.5	86%	50%	140%	97%	50%	140%	91%	50%	140%
2-Chlorophenol	4468334		< 0.5	< 0.5	NA	< 0.5	91%	50%	140%	68%	50%	140%	80%	50%	140%
o-Cresol	4468334		< 0.5	< 0.5	NA	< 0.5	80%	50%	140%	64%	50%	140%	102%	50%	140%
Bis(2-chloroisopropyl)ether	4468334		< 0.5	< 0.5	NA	< 0.5	102%	50%	140%	83%	50%	140%	67%	50%	140%
m&p-Cresol	4468334		< 0.6	< 0.6	NA	< 0.6	68%	50%	140%	105%	50%	140%	98%	50%	140%
2,4-Dimethylphenol	4468334		< 0.5	< 0.5	NA	< 0.5	94%	30%	130%	98%	30%	130%	106%	30%	130%
2,4-Dichlorophenol	4468334		< 0.3	< 0.3	NA	< 0.3	83%	50%	140%	76%	50%	140%	98%	50%	140%
1,2,4-Trichlorobenzene	4468334		< 0.5	< 0.5	NA	< 0.5	61%	50%	140%	112%	50%	140%	88%	50%	140%
p-Chloroaniline	4468334		< 1.0	< 1.0	NA	< 1.0	86%	30%	130%	91%	30%	130%	73%	30%	130%
2,4,6-Trichlorophenol	4468334		< 0.20	< 0.20	NA	< 0.20	88%	50%	140%	68%	50%	140%	89%	50%	140%
2,4,5-Trichlorophenol	4468334		< 0.20	< 0.20	NA	< 0.20	91%	50%	140%	91%	50%	140%	76%	50%	140%
1,1'-Biphenyl	4468334		< 0.50	< 0.50	NA	< 0.50	80%	50%	140%	83%	50%	140%	88%	50%	140%
Dimethyl phthalate	4468334		< 0.50	< 0.50	NA	< 0.50	102%	50%	140%	64%	50%	140%	106%	50%	140%
Diethyl phthalate	4468334		< 0.50	< 0.50	NA	< 0.50	56%	50%	140%	64%	50%	140%	67%	50%	140%
Pentachlorophenol	4468334		< 0.50	< 0.50	NA	< 0.50	89%	50%	140%	89%	50%	140%	67%	50%	140%
3,3'-dichlorobenzidine	4468334		< 0.50	< 0.50	NA	< 0.50	88%	30%	130%	91%	30%	130%	73%	30%	130%
Bis(2-Ethylhexyl)phthalate	4468334		< 0.50	< 0.50	NA	< 0.50	89%	50%	140%	105%	50%	140%	71%	50%	140%
2,4-Dinitrophenol	4468334		< 10	< 10	NA	< 10	84%	30%	130%	67%	30%	130%	98%	30%	130%
O. Reg. 153(511) - PCBs (Water)															
Polychlorinated Biphenyls	4722042	4722042	< 0.1	< 0.1	NA	< 0.1	93%	50%	140%	92%	50%	140%	85%	50%	140%

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

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P990590

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Feb 02, 2023

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
F1 (C6-C10)	4705529		<25	<25	NA	< 25	89%	60%	140%	74%	60%	140%	96%	60%	140%
F2 (C10 to C16)	4719247		<100	<100	NA	< 100	97%	60%	140%	61%	60%	140%	63%	60%	140%
F3 (C16 to C34)	4719247		<100	<100	NA	< 100	103%	60%	140%	68%	60%	140%	68%	60%	140%
F4 (C34 to C50)	4719247		<100	<100	NA	< 100	88%	60%	140%	71%	60%	140%	77%	60%	140%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	4705529		<0.40	<0.40	NA	< 0.40	92%	50%	140%	73%	50%	140%	113%	50%	140%
Vinyl Chloride	4705529		<0.17	<0.17	NA	< 0.17	86%	50%	140%	78%	50%	140%	93%	50%	140%
Bromomethane	4705529		<0.20	<0.20	NA	< 0.20	76%	50%	140%	90%	50%	140%	107%	50%	140%
Trichlorofluoromethane	4705529		<0.40	<0.40	NA	< 0.40	80%	50%	140%	79%	50%	140%	64%	50%	140%
Acetone	4705529		<1.0	<1.0	NA	< 1.0	88%	50%	140%	108%	50%	140%	106%	50%	140%
1,1-Dichloroethylene	4705529		<0.30	<0.30	NA	< 0.30	70%	50%	140%	94%	60%	130%	76%	50%	140%
Methylene Chloride	4705529		<0.30	<0.30	NA	< 0.30	75%	50%	140%	85%	60%	130%	83%	50%	140%
trans- 1,2-Dichloroethylene	4705529		<0.20	<0.20	NA	< 0.20	75%	50%	140%	93%	60%	130%	92%	50%	140%
Methyl tert-butyl ether	4705529		<0.20	<0.20	NA	< 0.20	84%	50%	140%	95%	60%	130%	89%	50%	140%
1,1-Dichloroethane	4705529		0.63	0.61	NA	< 0.30	76%	50%	140%	96%	60%	130%	99%	50%	140%
Methyl Ethyl Ketone	4705529		<1.0	<1.0	NA	< 1.0	90%	50%	140%	100%	50%	140%	112%	50%	140%
cis- 1,2-Dichloroethylene	4705529		<0.20	<0.20	NA	< 0.20	78%	50%	140%	96%	60%	130%	110%	50%	140%
Chloroform	4705529		<0.20	<0.20	NA	< 0.20	86%	50%	140%	99%	60%	130%	112%	50%	140%
1,2-Dichloroethane	4705529		<0.20	<0.20	NA	< 0.20	90%	50%	140%	103%	60%	130%	103%	50%	140%
1,1,1-Trichloroethane	4705529		<0.30	<0.30	NA	< 0.30	74%	50%	140%	89%	60%	130%	73%	50%	140%
Carbon Tetrachloride	4705529		<0.20	<0.20	NA	< 0.20	72%	50%	140%	80%	60%	130%	90%	50%	140%
Benzene	4705529		<0.20	<0.20	NA	< 0.20	82%	50%	140%	95%	60%	130%	105%	50%	140%
1,2-Dichloropropane	4705529		<0.20	<0.20	NA	< 0.20	85%	50%	140%	93%	60%	130%	114%	50%	140%
Trichloroethylene	4705529		<0.20	<0.20	NA	< 0.20	80%	50%	140%	76%	60%	130%	74%	50%	140%
Bromodichloromethane	4705529		<0.20	<0.20	NA	< 0.20	71%	50%	140%	78%	60%	130%	99%	50%	140%
Methyl Isobutyl Ketone	4705529		<1.0	<1.0	NA	< 1.0	111%	50%	140%	108%	50%	140%	110%	50%	140%
1,1,2-Trichloroethane	4705529		<0.20	<0.20	NA	< 0.20	96%	50%	140%	105%	60%	130%	106%	50%	140%
Toluene	4705529		<0.20	<0.20	NA	< 0.20	86%	50%	140%	97%	60%	130%	89%	50%	140%
Dibromochloromethane	4705529		<0.10	<0.10	NA	< 0.10	75%	50%	140%	79%	60%	130%	98%	50%	140%
Ethylene Dibromide	4705529		<0.10	<0.10	NA	< 0.10	91%	50%	140%	99%	60%	130%	101%	50%	140%
Tetrachloroethylene	4705529		<0.20	<0.20	NA	< 0.20	85%	50%	140%	90%	60%	130%	71%	50%	140%
1,1,1,2-Tetrachloroethane	4705529		<0.10	<0.10	NA	< 0.10	76%	50%	140%	87%	60%	130%	90%	50%	140%
Chlorobenzene	4705529		<0.10	<0.10	NA	< 0.10	89%	50%	140%	96%	60%	130%	100%	50%	140%
Ethylbenzene	4705529		0.46	0.42	NA	< 0.10	84%	50%	140%	92%	60%	130%	82%	50%	140%
m & p-Xylene	4705529		0.59	0.59	NA	< 0.20	83%	50%	140%	91%	60%	130%	85%	50%	140%
Bromoform	4705529		<0.10	<0.10	NA	< 0.10	82%	50%	140%	77%	60%	130%	100%	50%	140%
Styrene	4705529		<0.10	<0.10	NA	< 0.10	82%	50%	140%	86%	60%	130%	92%	50%	140%
1,1,2,2-Tetrachloroethane	4705529		<0.10	<0.10	NA	< 0.10	100%	50%	140%	102%	60%	130%	102%	50%	140%
o-Xylene	4705529		<0.10	<0.10	NA	< 0.10	86%	50%	140%	94%	60%	130%	93%	50%	140%

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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P990590

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)

RPT Date: Feb 02, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,3-Dichlorobenzene	4705529		<0.10	<0.10	NA	< 0.10	91%	50%	140%	91%	60%	130%	102%	50%	140%
1,4-Dichlorobenzene	4705529		<0.10	<0.10	NA	< 0.10	88%	50%	140%	93%	60%	130%	107%	50%	140%
1,2-Dichlorobenzene	4705529		<0.10	<0.10	NA	< 0.10	93%	50%	140%	93%	60%	130%	110%	50%	140%
n-Hexane	4705529		<0.20	<0.20	NA	< 0.20	71%	50%	140%	81%	60%	130%	96%	50%	140%
Formaldéhyde (eau)															
Formaldéhyde		NA	NA	NA	0.0%	< 10	NA	70%	130%	94%	70%	130%	NA	70%	130%
2,3,5,6-Tétrafluorobenzaldéhyde		NA	NA	NA	0.0%	107	NA	40%	140%	113%	40%	140%	NA	40%	140%

Comments: NA : Non applicable

NA dans l'écart du duplicata indique que l'écart n'a pu être calculé car l'un ou les deux résultats sont < 5x LDR.

NA dans le pourcentage de récupération de l'échantillon fortifié indique que le résultat n'est pas fourni en raison de l'hétérogénéité de l'échantillon ou de la concentration trop élevée par rapport à l'ajout.

NA dans le blanc fortifié ou le MRC indique qu'il n'est pas requis par la procédure.

Certified By:

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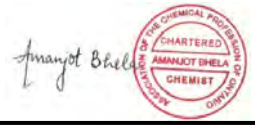
Water Analysis

RPT Date: Feb 02, 2023

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Water)															
Dissolved Antimony	4721832		<1.0	<1.0	NA	< 1.0	94%	70%	130%	92%	80%	120%	91%	70%	130%
Dissolved Arsenic	4721832		<1.0	<1.0	NA	< 1.0	99%	70%	130%	94%	80%	120%	104%	70%	130%
Dissolved Barium	4721832		11.3	11.1	1.8%	< 2.0	102%	70%	130%	100%	80%	120%	99%	70%	130%
Dissolved Beryllium	4721832		<0.50	<0.50	NA	< 0.50	106%	70%	130%	105%	80%	120%	114%	70%	130%
Dissolved Boron	4721832		37.8	37.8	NA	< 10.0	102%	70%	130%	104%	80%	120%	106%	70%	130%
Dissolved Cadmium	4721832		<0.20	<0.20	NA	< 0.20	98%	70%	130%	95%	80%	120%	89%	70%	130%
Dissolved Chromium	4721832		<2.0	<2.0	NA	< 2.0	94%	70%	130%	98%	80%	120%	99%	70%	130%
Dissolved Cobalt	4721832		1.54	1.50	NA	< 0.50	95%	70%	130%	97%	80%	120%	98%	70%	130%
Dissolved Copper	4721832		2.0	2.0	NA	< 1.0	97%	70%	130%	96%	80%	120%	95%	70%	130%
Dissolved Lead	4721832		<0.50	<0.50	NA	< 0.50	95%	70%	130%	91%	80%	120%	90%	70%	130%
Dissolved Molybdenum	4721832		<0.50	<0.50	NA	< 0.50	97%	70%	130%	101%	80%	120%	101%	70%	130%
Dissolved Nickel	4721832		2.2	1.5	NA	< 1.0	94%	70%	130%	96%	80%	120%	93%	70%	130%
Dissolved Selenium	4721832		<1.0	<1.0	NA	< 1.0	106%	70%	130%	94%	80%	120%	111%	70%	130%
Dissolved Silver	4721832		<0.20	<0.20	NA	< 0.20	94%	70%	130%	95%	80%	120%	94%	70%	130%
Dissolved Thallium	4721832		<0.30	<0.30	NA	< 0.30	97%	70%	130%	95%	80%	120%	92%	70%	130%
Dissolved Uranium	4721832		<0.50	<0.50	NA	< 0.50	93%	70%	130%	98%	80%	120%	98%	70%	130%
Dissolved Vanadium	4721832		<0.40	<0.40	NA	< 0.40	97%	70%	130%	99%	80%	120%	101%	70%	130%
Dissolved Zinc	4721832		<5.0	<5.0	NA	< 5.0	104%	70%	130%	107%	80%	120%	116%	70%	130%
Mercury	4722042	4722042	<0.02	<0.02	NA	< 0.02	101%	70%	130%	104%	80%	120%	99%	70%	130%
Chromium VI	4722042	4722042	<2.000	<2.000	NA	< 2	103%	70%	130%	99%	80%	120%	101%	70%	130%
Cyanide, WAD	4722042	4722042	<2	<2	NA	< 2	108%	70%	130%	102%	80%	120%	108%	70%	130%
Dissolved Sodium	4721832		57200	58800	2.8%	< 50	107%	70%	130%	100%	80%	120%	102%	70%	130%
Chloride	4722042	4722042	12600	12900	2.4%	< 100	97%	70%	130%	93%	80%	120%	99%	70%	130%
Electrical Conductivity	4722042	4722042	873	877	0.5%	< 2	104%	90%	110%	NA			NA		
pH	4722042	4722042	7.34	7.30	0.5%	NA	99%	90%	110%	NA			NA		

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

Certified By:



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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P990590
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Formaldéhyde	ORG-100-5126F	Standard Methods 6252B	GC/MS
2,3,5,6-Tétrafluorobenzaldéhyde	ORG-100-5126F	Standard Methods 6252B	GC/MS
Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluorene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenanthrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(b)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(k)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dibenz(a,h)anthracene	ORG-91-5114	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroethyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Chlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
o-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroisopropyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
m&p-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dimethylphenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,2,4-Trichlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
p-Chloroaniline	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
2-and 1-methyl Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
2,4,6-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,5-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,1'-Biphenyl	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dimethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4 and 2,6-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
Diethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pentachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
3,3'-dichlorobenzidine	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-Ethylhexyl)phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Fluorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
phenol-d6 surrogate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Tribromophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene-d12	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	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-C10)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P990590

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

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
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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SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Mercury	MET-93-6100	modified from EPA 245.2 and SM 3112 B	CVAAS
Chromium VI	INOR-93-6073	modified from SM 3500-CR B	LACHAT FIA
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015, SM 4500-CN- I, G-387	TECHNICON AUTO ANALYZER
Dissolved Sodium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP/MS
Chloride	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Electrical Conductivity	INOR-93-6000	SM 2510 B	PC TITRATE
pH	INOR-93-6000	modified from SM 4500-H+ B	PC TITRATE

AGAT Laboratories
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: Blumetric Env Inc
Contact: Paul Bandler
Address: 4 Cataraqui street
Kingston ON
Phone: 613 453 5496 Fax:
Reports to be sent to:
1. Email: pbandler@blumetric.ca
2. Email: Mlloyd@blumetric.ca

Project Information:

Project: 220509
Site Location: Bakelite Belleville
Sampled By: ML
AGAT Quote #: 747248 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: ap@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04
Table 7 *Indicate One*
☐ Ind/Com
☑ Res/Park
☐ Agriculture
Soil Texture *(Check One)*
☐ Coarse
☐ Fine

☐ Excess Soils R406
Table *Indicate One*
☐ Regulation 558
☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
Region
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
Indicate One

Is this submission for a Record of Site Condition? ☑ Yes ☐ No

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

Laboratory Use Only

Work Order #: 23R990590
Cooler Quantity: 4
Arrival Temperatures: 9.6 | 9.1 | 8.7
See attached
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: ice.

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CPM

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: VOC	O. Reg 153: Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Excess Soils Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	Formaldehyde	ICP's, ABNs					Potentially Hazardous or High Concentration (Y/N)
MW215	23-01-20	8:40 AM PM	20	GW		Y	✓		✓	✓	✓	✓						✓	✓					
Field Blank		8:00 AM PM	18	GW		Y	✓		✓	✓	✓	✓							✓					
GW-Dup 2		— AM PM	20	GW		Y	✓		✓	✓	✓	✓						✓	✓					
MW207		10:15 AM PM	20	GW		Y	✓		✓	✓	✓	✓						✓	✓					
MW205		12:00 AM PM	18	GW		Y	✓		✓	✓	✓	✓							✓					
MW235		13:30 AM PM	18	GW		Y	✓		✓	!	✓	✓							✓					
MW234		15:00 AM PM	18	GW		Y	✓		✓	✓	✓	✓							✓					
MW228		16:30 AM PM	18	GW		Y	✓		✓	✓	✓	✓							✓					
		AM PM																						
		AM PM																						
		AM PM																						

Samples Relinquished By (Print Name and Sign)	Date	Time	Samples Received By (Print Name and Sign)	Date	Time
M Lloyd	23-01-22	18:00	Kaity Jones	Jan 23/23	8am
	Jan 23/23	1600		27 Jan/23	8h 50m

Page 1 of 1
Nº: T-138906

Document ID: DW 78 4511 022

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

AGAT Laboratories

Sample Temperature Log

Client: Blumetric

COC# or Work Order #: T138906

# of Coolers: 4 large

# of Submissions: 1

	Arrival Temperatures - Branch/Driver	Arrival Temperatures - Laboratory
Cooler #1:	2.6 / 2.4 / 2.9	___ / ___ / ___
Cooler #2:	3.4 / 3.9 / 3.6	___ / ___ / ___
Cooler #3:	4.1 / 3.8 / 3.2	___ / ___ / ___
Cooler #4:	2.4 / 3.1 / 3.7	___ / ___ / ___
Cooler #5:	___ / ___ / ___	___ / ___ / ___
Cooler #6:	___ / ___ / ___	___ / ___ / ___
Cooler #7:	___ / ___ / ___	___ / ___ / ___
Cooler #8	___ / ___ / ___	___ / ___ / ___
Cooler #9:	___ / ___ / ___	___ / ___ / ___
Cooler #10:	___ / ___ / ___	___ / ___ / ___

Loose Ice

IR Gun ID: MIS-3121

IR Gun ID: ___

Taken By: NRAC GOOSE 28

Taken By: ___

Date (yyyy/mm/dd): 2023/01/27 Time: 8 : 50 AM / PM

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

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

AGAT Laboratories

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

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725

ATTENTION TO: Paul Bandler

PROJECT: 220509

AGAT WORK ORDER: 23P990757

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

WATER ANALYSIS REVIEWED BY: Amanjot Bhela, Inorganic Lab Manager

DATE REPORTED: Feb 02, 2023

PAGES (INCLUDING COVER): 26

VERSION*: 1

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

*Notes

Disclaimer:

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

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

Certificate of Analysis

AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

Formaldehyde (Water)

DATE RECEIVED: 2023-01-24

DATE REPORTED: 2023-02-02

SAMPLE DESCRIPTION:				MW212	MW209	MW208
SAMPLE TYPE:				Water	Water	Water
DATE SAMPLED:				2023-01-23 10:30	2023-01-23 13:10	2023-01-23 14:55
Parameter	Unit	G / S	RDL	4715793	4715795	4715796
Formaldehyde	µg/L		10	<10	<10	<10
Surrogate	Unit	Acceptable Limits				
2,3,5,6-Tetrafluorobenzaldehyde	%	40-140		101	99	94

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

4715793-4715796 A higher LDR indicates that a dilution was performed to reduce analyte concentration or reduce matrix interference.

Analysis performed at AGAT Montréal (unless marked by *)

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2023-01-24

DATE REPORTED: 2023-02-02

SAMPLE DESCRIPTION:				MW213	MW212	MW211	MW209	MW208	MW210	MW206	GW-Dup3
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2023-01-23 09:15	2023-01-23 10:30	2023-01-23 11:55	2023-01-23 13:10	2023-01-23 14:55	2023-01-23 15:55	2023-01-23 16:55	2023-01-23 09:15
Parameter	Unit	G / S	RDL	4715752	4715793	4715794	4715795	4715796	4715797	4715798	4715799
Naphthalene	µg/L	7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Fluorene	µg/L	290	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Phenanthrene	µg/L	380	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Anthracene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	44	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Pyrene	µg/L	5.7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzo(a)anthracene	µg/L	1.8	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chrysene	µg/L	0.7	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.75	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.81	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	0.4	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
Phenol	µg/L	9600	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bis(2-chloroethyl)ether	µg/L	240000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorophenol	µg/L	2600	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
o-Cresol	µg/L		0.5	<0.5	<0.5	<0.5	<0.5	2.23	<0.5	1.37	<0.5
Bis(2-chloroisopropyl)ether	µg/L	20000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m&p-Cresol	µg/L		0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
2,4-Dimethylphenol	µg/L	31000	0.5	<0.5	<0.5	<0.5	<0.5	5.07	<0.5	<0.5	<0.5
2,4-Dichlorophenol	µg/L	3700	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2,4-Trichlorobenzene	µg/L		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Chloroaniline	µg/L	320	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-and 1-methyl Naphthalene	µg/L	1500	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,6-Trichlorophenol	µg/L	180	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,5-Trichlorophenol	µg/L	1300	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2023-01-24

DATE REPORTED: 2023-02-02

				SAMPLE DESCRIPTION:	MW213	MW212	MW211	MW209	MW208	MW210	MW206	GW-Dup3
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-23 09:15	2023-01-23 10:30	2023-01-23 11:55	2023-01-23 13:10	2023-01-23 14:55	2023-01-23 15:55	2023-01-23 16:55	2023-01-23 09:15
Parameter	Unit	G / S	RDL		4715752	4715793	4715794	4715795	4715796	4715797	4715798	4715799
1,1'-Biphenyl	µg/L	1000	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dimethyl phthalate	µg/L	30	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4 and 2,6-Dinitrotoluene	µg/L	2300	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Diethyl phthalate	µg/L	30	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Pentachlorophenol	µg/L	50	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3,3'-dichlorobenzidine	µg/L	500	0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bis(2-Ethylhexyl)phthalate	µg/L	30	0.50		0.86	<0.50	0.86	1.09	3.08	0.78	1.10	1.14
2,4-Dinitrophenol	µg/L	9000	10		<10	<10	<10	<10	<10	<10	<10	<10
Sediment					NO	NO	NO	NO	YES	NO	NO	NO
Surrogate	Unit	Acceptable Limits										
2-Fluorophenol	%	50-140			62	88	85	69	73	88	70	98
phenol-d6 surrogate	%	50-140			107	97	76	99	74	92	96	79
2,4,6-Tribromophenol	%	50-140			108	61	100	103	56	98	110	106
Chrysene-d12	%	50-140			94	105	66	82	54	66	92	104

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4715752-4715799 To meet the MOE Reporting limits the sample extract was analysed using two separate GC/MS methods. The full scan BNA method is capable of detecting most of the compounds at the RDLs except for several PAHs. The PAHs were analysed using a SIM mode GC/MS method.
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.

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

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-24

DATE REPORTED: 2023-02-02

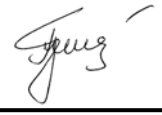
				SAMPLE DESCRIPTION:	MW213	MW212	MW211	MW209	MW208	MW210	GW-Dup3
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-23 09:15	2023-01-23 10:30	2023-01-23 11:55	2023-01-23 13:10	2023-01-23 14:55	2023-01-23 15:55	2023-01-23 09:15
Parameter	Unit	G / S	RDL		4715752	4715793	4715794	4715795	4715796	4715797	4715799
Polychlorinated Biphenyls	µg/L	0.2	0.1		<0.1	<0.1	<0.1	<0.1	0.19	<0.1	<0.1
Surrogate	Unit	Acceptable Limits									
Decachlorobiphenyl	%	60-140			94	86	92	101	92	70	74

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4715752-4715799 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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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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Certificate of Analysis

AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-24

DATE REPORTED: 2023-02-02

				SAMPLE DESCRIPTION:	MW213	MW212	MW211	MW209	MW208	MW210	MW206	GW-Dup3
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-23 09:15	2023-01-23 10:30	2023-01-23 11:55	2023-01-23 13:10	2023-01-23 14:55	2023-01-23 15:55	2023-01-23 16:55	2023-01-23 09:15
Parameter	Unit	G / S	RDL		4715752	4715793	4715794	4715795	4715796	4715797	4715798	4715799
F1 (C6-C10)	µg/L		25		<25	<25	<25	<25	5170	45	<25	<25
F1 (C6 to C10) minus BTEX	µg/L	420	25		<25	<25	<25	<25	<25	<25	<25	<25
F2 (C10 to C16)	µg/L	150	100		<100	<100	<100	<100	<100	<100	<100	<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100	<100	<100	<100	<100	<100	<100	<100
F3 (C16 to C34)	µg/L	500	100		<100	<100	<100	<100	<100	<100	<100	<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100	<100	<100	<100	<100	<100	<100	<100
F4 (C34 to C50)	µg/L	500	100		<100	<100	<100	<100	<100	<100	<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA	NA	NA	NA	NA	NA	NA	NA
Sediment					1	1	1	3	3	1	1	1
Surrogate	Unit	Acceptable Limits										
Toluene-d8	%	50-140			108	105	108	106	102	101	106	105
Terphenyl	% Recovery	60-140			71	85	113	73	84	79	86	63

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-24

DATE REPORTED: 2023-02-02

Comments:	RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.
4715752-4715795	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.
4715796	Dilution factor=10 VOC- The sample was diluted to keep the target compounds in the calibration range of the instrument and avoid contaminating the Purge and Trap system. The reporting detection limit has been corrected for the dilution factor used. 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.
4715797-4715799	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.

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

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AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-24

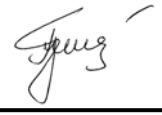
DATE REPORTED: 2023-02-02

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.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-24

DATE REPORTED: 2023-02-02

SAMPLE DESCRIPTION:				MW213	MW212	MW211	MW209		MW208		MW210
SAMPLE TYPE:				Water	Water	Water	Water		Water		Water
DATE SAMPLED:				2023-01-23 09:15	2023-01-23 10:30	2023-01-23 11:55	2023-01-23 13:10		2023-01-23 14:55		2023-01-23 15:55
Parameter	Unit	G / S	RDL	4715752	4715793	4715794	4715795	RDL	4715796	RDL	4715797
Dichlorodifluoromethane	µg/L	3500	0.40	<0.40	<0.40	<0.40	<0.40	4.00	<4.00	0.40	<0.40
Vinyl Chloride	µg/L	0.5	0.17	<0.17	<0.17	<0.17	<0.17	1.70	<1.70	0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
Trichlorofluoromethane	µg/L	2000	0.40	<0.40	<0.40	<0.40	<0.40	4.00	<4.00	0.40	<0.40
Acetone	µg/L	100000	1.0	<1.0	<1.0	<1.0	<1.0	10.0	<10.0	1.0	<1.0
1,1-Dichloroethylene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	3.00	<3.00	0.30	<0.30
Methylene Chloride	µg/L	26	0.30	<0.30	<0.30	<0.30	<0.30	3.00	<3.00	0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
1,1-Dichloroethane	µg/L	11	0.30	<0.30	<0.30	<0.30	<0.30	3.00	<3.00	0.30	0.86
Methyl Ethyl Ketone	µg/L	21000	1.0	<1.0	<1.0	<1.0	<1.0	10.0	<10.0	1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
Chloroform	µg/L	2	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
1,2-Dichloroethane	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
1,1,1-Trichloroethane	µg/L	23	0.30	<0.30	<0.30	<0.30	<0.30	3.00	<3.00	0.30	<0.30
Carbon Tetrachloride	µg/L	0.2	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
Benzene	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	2.00	2250	0.20	20.6
1,2-Dichloropropane	µg/L	0.58	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
Trichloroethylene	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
Bromodichloromethane	µg/L	67000	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
Methyl Isobutyl Ketone	µg/L	5200	1.0	<1.0	<1.0	<1.0	<1.0	10.0	<10.0	1.0	<1.0
1,1,2-Trichloroethane	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
Toluene	µg/L	320	0.20	<0.20	<0.20	<0.20	<0.20	2.00	2170	0.20	15.0
Dibromochloromethane	µg/L	65000	0.10	<0.10	<0.10	<0.10	<0.10	1.00	<1.00	0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10	<0.10	<0.10	<0.10	1.00	<1.00	0.10	<0.10
Tetrachloroethylene	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10	<0.10	<0.10	<0.10	1.00	<1.00	0.10	<0.10
Chlorobenzene	µg/L	140	0.10	<0.10	<0.10	<0.10	<0.10	1.00	<1.00	0.10	3.55
Ethylbenzene	µg/L	54	0.10	<0.10	<0.10	<0.10	<0.10	1.00	42.2	0.10	<0.10

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-24

DATE REPORTED: 2023-02-02

		SAMPLE DESCRIPTION:		MW213	MW212	MW211	MW209		MW208		MW210
		SAMPLE TYPE:		Water	Water	Water	Water		Water		Water
		DATE SAMPLED:		2023-01-23 09:15	2023-01-23 10:30	2023-01-23 11:55	2023-01-23 13:10		2023-01-23 14:55		2023-01-23 15:55
Parameter	Unit	G / S	RDL	4715752	4715793	4715794	4715795	RDL	4715796	RDL	4715797
m & p-Xylene	µg/L		0.20	<0.20	<0.20	<0.20	<0.20	2.00	534	0.20	2.04
Bromoform	µg/L	5	0.10	<0.10	<0.10	<0.10	<0.10	1.00	<1.00	0.10	<0.10
Styrene	µg/L	43	0.10	<0.10	<0.10	<0.10	<0.10	1.00	<1.00	0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	0.5	0.10	<0.10	<0.10	<0.10	<0.10	1.00	<1.00	0.10	<0.10
o-Xylene	µg/L		0.10	<0.10	<0.10	<0.10	<0.10	1.00	166	0.10	0.60
1,3-Dichlorobenzene	µg/L	7600	0.10	<0.10	<0.10	<0.10	<0.10	1.00	<1.00	0.10	<0.10
1,4-Dichlorobenzene	µg/L	0.5	0.10	<0.10	<0.10	<0.10	<0.10	1.00	<1.00	0.10	<0.10
1,2-Dichlorobenzene	µg/L	150	0.10	<0.10	<0.10	<0.10	<0.10	1.00	<1.00	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	72	0.20	<0.20	<0.20	<0.20	<0.20	0.20	700	0.20	2.64
n-Hexane	µg/L	5	0.20	<0.20	<0.20	<0.20	<0.20	2.00	<2.00	0.20	<0.20
Surrogate	Unit	Acceptable Limits									
Toluene-d8	% Recovery	50-140		108	105	108	106	10	102	1	101
4-Bromofluorobenzene	% Recovery	50-140		89	87	92	84	10	95	1	89

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-24

DATE REPORTED: 2023-02-02

				SAMPLE DESCRIPTION:	MW206	GW-Dup3
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2023-01-23 16:55	2023-01-23 09:15
Parameter	Unit	G / S	RDL		4715798	4715799
Dichlorodifluoromethane	µg/L	3500	0.40		<0.40	<0.40
Vinyl Chloride	µg/L	0.5	0.17		<0.17	<0.17
Bromomethane	µg/L	0.89	0.20		<0.20	<0.20
Trichlorofluoromethane	µg/L	2000	0.40		<0.40	<0.40
Acetone	µg/L	100000	1.0		<1.0	<1.0
1,1-Dichloroethylene	µg/L	0.5	0.30		<0.30	<0.30
Methylene Chloride	µg/L	26	0.30		<0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	0.20		<0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20		<0.20	<0.20
1,1-Dichloroethane	µg/L	11	0.30		<0.30	<0.30
Methyl Ethyl Ketone	µg/L	21000	1.0		<1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	0.20		<0.20	<0.20
Chloroform	µg/L	2	0.20		<0.20	<0.20
1,2-Dichloroethane	µg/L	0.5	0.20		<0.20	<0.20
1,1,1-Trichloroethane	µg/L	23	0.30		<0.30	<0.30
Carbon Tetrachloride	µg/L	0.2	0.20		<0.20	<0.20
Benzene	µg/L	0.5	0.20		<0.20	<0.20
1,2-Dichloropropane	µg/L	0.58	0.20		<0.20	<0.20
Trichloroethylene	µg/L	0.5	0.20		<0.20	<0.20
Bromodichloromethane	µg/L	67000	0.20		<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	5200	1.0		<1.0	<1.0
1,1,2-Trichloroethane	µg/L	0.5	0.20		<0.20	<0.20
Toluene	µg/L	320	0.20		<0.20	<0.20
Dibromochloromethane	µg/L	65000	0.10		<0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10		<0.10	<0.10
Tetrachloroethylene	µg/L	0.5	0.20		<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10		<0.10	<0.10
Chlorobenzene	µg/L	140	0.10		<0.10	<0.10
Ethylbenzene	µg/L	54	0.10		<0.10	<0.10

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-24

DATE REPORTED: 2023-02-02

				SAMPLE DESCRIPTION:	MW206	GW-Dup3
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2023-01-23 16:55	2023-01-23 09:15
Parameter	Unit	G / S	RDL		4715798	4715799
m & p-Xylene	µg/L		0.20		<0.20	<0.20
Bromoform	µg/L	5	0.10		<0.10	<0.10
Styrene	µg/L	43	0.10		<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L	0.5	0.10		<0.10	<0.10
o-Xylene	µg/L		0.10		<0.10	<0.10
1,3-Dichlorobenzene	µg/L	7600	0.10		<0.10	<0.10
1,4-Dichlorobenzene	µg/L	0.5	0.10		<0.10	<0.10
1,2-Dichlorobenzene	µg/L	150	0.10		<0.10	<0.10
1,3-Dichloropropene	µg/L	0.5	0.30		<0.30	<0.30
Xylenes (Total)	µg/L	72	0.20		<0.20	<0.20
n-Hexane	µg/L	5	0.20		<0.20	<0.20
Surrogate	Unit	Acceptable Limits				
Toluene-d8	% Recovery	50-140			106	105
4-Bromofluorobenzene	% Recovery	50-140			88	89

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4715752-4715795 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.

4715796 Dilution factor=10
VOC- The sample was diluted to keep the target compounds in the calibration range of the instrument and avoid contaminating the Purge and Trap system. The reporting detection limit has been corrected for the dilution factor used.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

4715797-4715799 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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Certificate of Analysis

AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-24

DATE REPORTED: 2023-02-02

SAMPLE DESCRIPTION:				MW213	MW212	MW211	MW209		MW208		MW210
SAMPLE TYPE:				Water	Water	Water	Water		Water		Water
DATE SAMPLED:				2023-01-23 09:15	2023-01-23 10:30	2023-01-23 11:55	2023-01-23 13:10		2023-01-23 14:55		2023-01-23 15:55
Parameter	Unit	G / S	RDL	4715752	4715793	4715794	4715795	RDL	4715796	RDL	4715797
Dissolved Antimony	µg/L	16000	1.0	<1.0	<1.0	2.0	<1.0	1.0	<1.0	1.0	<1.0
Dissolved Arsenic	µg/L	1500	1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	1.0	<1.0
Dissolved Barium	µg/L	23000	2.0	99.0	67.5	61.6	77.2	2.0	175	2.0	82.0
Dissolved Beryllium	µg/L	53	0.50	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	0.50	<0.50
Dissolved Boron	µg/L	36000	10.0	335	367	158	186	10.0	808	10.0	412
Dissolved Cadmium	µg/L	2.1	0.20	<0.20	<0.20	<0.20	<0.20	0.20	0.21	0.20	<0.20
Dissolved Chromium	µg/L	640	2.0	<2.0	<2.0	<2.0	<2.0	2.0	<2.0	2.0	<2.0
Dissolved Cobalt	µg/L	52	0.50	<0.50	1.22	1.98	<0.50	0.50	<0.50	0.50	<0.50
Dissolved Copper	µg/L	69	1.0	<1.0	<1.0	1.0	<1.0	1.0	1.3	1.0	1.4
Dissolved Lead	µg/L	20	0.50	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	0.50	<0.50
Dissolved Molybdenum	µg/L	7300	0.50	9.39	12.7	22.2	106	0.50	296	0.50	306
Dissolved Nickel	µg/L	390	1.0	2.0	2.0	7.7	1.4	1.0	1.2	1.0	<1.0
Dissolved Selenium	µg/L	50	1.0	<1.0	1.4	<1.0	<1.0	1.0	7.5	1.0	<1.0
Dissolved Silver	µg/L	1.2	0.20	<0.20	<0.20	<0.20	<0.20	0.20	<0.20	0.20	<0.20
Dissolved Thallium	µg/L	400	0.30	<0.30	<0.30	<0.30	<0.30	0.30	<0.30	0.30	<0.30
Dissolved Uranium	µg/L	330	0.50	0.92	1.04	0.76	<0.50	0.50	2.24	0.50	0.54
Dissolved Vanadium	µg/L	200	0.40	<0.40	<0.40	<0.40	1.61	0.40	<0.40	0.40	<0.40
Dissolved Zinc	µg/L	890	5.0	<5.0	<5.0	<5.0	8.4	5.0	16.3	5.0	89.1
Mercury	µg/L	0.1	0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	0.02	<0.02
Chromium VI	µg/L	110	2.000	<2.000	<2.000	<2.000	<2.000	2.000	<2.000	2.000	<2.000
Cyanide, WAD	µg/L	52	2	<2	<2	<2	<2	2	<2	2	<2
Dissolved Sodium	µg/L	1800000	50	31300	20300	42500	26500	500	1110000	50	33400
Chloride	µg/L	1800000	100	10800	8380	15800	15500	244	2170000	100	11700
Electrical Conductivity	uS/cm	NA	2	900	978	717	888	2	7090	2	837
pH	pH Units		NA	7.43	7.35	7.63	7.40	NA	7.74	NA	7.60

Certified By:

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

Certificate of Analysis

AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-24

DATE REPORTED: 2023-02-02

		SAMPLE DESCRIPTION:		MW206		GW-Dup3
		SAMPLE TYPE:		Water		Water
		DATE SAMPLED:		2023-01-23 16:55		2023-01-23 09:15
Parameter	Unit	G / S	RDL	4715798	RDL	4715799
Dissolved Antimony	µg/L	16000	1.0	<1.0	1.0	<1.0
Dissolved Arsenic	µg/L	1500	1.0	1.9	1.0	2.6
Dissolved Barium	µg/L	23000	2.0	656	2.0	98.1
Dissolved Beryllium	µg/L	53	0.50	<0.50	0.50	<0.50
Dissolved Boron	µg/L	36000	10.0	2060	10.0	369
Dissolved Cadmium	µg/L	2.1	0.20	<0.20	0.20	<0.20
Dissolved Chromium	µg/L	640	2.0	<2.0	2.0	<2.0
Dissolved Cobalt	µg/L	52	0.50	<0.50	0.50	<0.50
Dissolved Copper	µg/L	69	1.0	<1.0	1.0	<1.0
Dissolved Lead	µg/L	20	0.50	<0.50	0.50	<0.50
Dissolved Molybdenum	µg/L	7300	0.50	16.7	0.50	10.1
Dissolved Nickel	µg/L	390	1.0	2.8	1.0	1.3
Dissolved Selenium	µg/L	50	1.0	<1.0	1.0	1.6
Dissolved Silver	µg/L	1.2	0.20	<0.20	0.20	<0.20
Dissolved Thallium	µg/L	400	0.30	<0.30	0.30	<0.30
Dissolved Uranium	µg/L	330	0.50	0.87	0.50	0.89
Dissolved Vanadium	µg/L	200	0.40	0.93	0.40	<0.40
Dissolved Zinc	µg/L	890	5.0	5.2	5.0	<5.0
Mercury	µg/L	0.1	0.02	<0.02	0.02	<0.02
Chromium VI	µg/L	110	2.000	<2.000	2.000	<2.000
Cyanide, WAD	µg/L	52	2	<2	2	<2
Dissolved Sodium	µg/L	1800000	500	2220000	50	28400
Chloride	µg/L	1800000	488	5760000	100	11300
Electrical Conductivity	uS/cm	NA	2	15800	2	904
pH	pH Units		NA	7.24	NA	7.55

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

Certificate of Analysis

AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-24

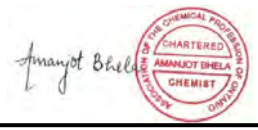
DATE REPORTED: 2023-02-02

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4715752-4715799 Metals analysis completed on a filtered sample.
Dilution required, RDL has been increased accordingly.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



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Exceedance Summary

AGAT WORK ORDER: 23P990757

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4715796	MW208	ON T7 NPGW CT	O. Reg. 153(511) - Metals & Inorganics (Water)	Chloride	µg/L	1800000	2170000
4715796	MW208	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Benzene	µg/L	0.5	2250
4715796	MW208	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Toluene	µg/L	320	2170
4715796	MW208	ON T7 NPGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Benzene	µg/L	0.5	2250
4715796	MW208	ON T7 NPGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Toluene	µg/L	320	2170
4715796	MW208	ON T7 NPGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Xylenes (Total)	µg/L	72	700
4715797	MW210	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Benzene	µg/L	0.5	20.6
4715797	MW210	ON T7 NPGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	Benzene	µg/L	0.5	20.6
4715798	MW206	ON T7 NPGW CT	O. Reg. 153(511) - Metals & Inorganics (Water)	Chloride	µg/L	1800000	5760000
4715798	MW206	ON T7 NPGW CT	O. Reg. 153(511) - Metals & Inorganics (Water)	Dissolved Sodium	µg/L	1800000	2220000

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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P990757

PROJECT: 220509
ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Trace Organics Analysis

RPT Date: Feb 02, 2023

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)															
F1 (C6-C10)	4705529		<25	<25	NA	< 25	89%	60%	140%	74%	60%	140%	96%	60%	140%
F2 (C10 to C16)	4714725		<100	<100	NA	< 100	100%	60%	140%	73%	60%	140%	68%	60%	140%
F3 (C16 to C34)	4714725		<100	<100	NA	< 100	102%	60%	140%	75%	60%	140%	67%	60%	140%
F4 (C34 to C50)	4714725		<100	<100	NA	< 100	94%	60%	140%	89%	60%	140%	67%	60%	140%
O. Reg. 153(511) - BNA (full) + PAHs (Water)															
Naphthalene	4468334		< 0.20	< 0.20	NA	< 0.20	89%	50%	140%	88%	50%	140%	115%	50%	140%
Acenaphthylene	4468334		< 0.20	< 0.20	NA	< 0.20	76%	50%	140%	94%	50%	140%	98%	50%	140%
Acenaphthene	4468334		< 0.20	< 0.20	NA	< 0.20	80%	50%	140%	80%	50%	140%	65%	50%	140%
Fluorene	4468334		< 0.20	< 0.20	NA	< 0.20	105%	50%	140%	105%	50%	140%	67%	50%	140%
Phenanthrene	4468334		< 0.10	< 0.10	NA	< 0.10	101%	50%	140%	83%	50%	140%	75%	50%	140%
Anthracene	4468334		< 0.10	< 0.10	NA	< 0.10	87%	50%	140%	101%	50%	140%	90%	50%	140%
Fluoranthene	4468334		< 0.20	< 0.20	NA	< 0.20	85%	50%	140%	85%	50%	140%	101%	50%	140%
Pyrene	4468334		< 0.20	< 0.20	NA	< 0.20	76%	50%	140%	93%	50%	140%	98%	50%	140%
Benzo(a)anthracene	4468334		< 0.20	< 0.20	NA	< 0.20	82%	50%	140%	95%	50%	140%	89%	50%	140%
Chrysene	4468334		< 0.10	< 0.10	NA	< 0.10	101%	50%	140%	98%	50%	140%	85%	50%	140%
Benzo(b)fluoranthene	4468334		< 0.10	< 0.10	NA	< 0.10	89%	50%	140%	89%	50%	140%	71%	50%	140%
Benzo(k)fluoranthene	4468334		< 0.10	< 0.10	NA	< 0.10	89%	50%	140%	88%	50%	140%	92%	50%	140%
Benzo(a)pyrene	4468334		< 0.01	< 0.01	NA	< 0.01	76%	50%	140%	64%	50%	140%	81%	50%	140%
Indeno(1,2,3-cd)pyrene	4468334		< 0.20	< 0.20	NA	< 0.20	101%	50%	140%	101%	50%	140%	78%	50%	140%
Dibenz(a,h)anthracene	4468334		< 0.20	< 0.20	NA	< 0.20	78%	50%	140%	98%	50%	140%	85%	50%	140%
Benzo(g,h,i)perylene	4468334		< 0.20	< 0.20	NA	< 0.20	88%	50%	140%	89%	50%	140%	99%	50%	140%
Phenol	4468334		< 1.0	< 1.0	NA	< 1.0	89%	30%	130%	108%	30%	130%	86%	30%	130%
Bis(2-chloroethyl)ether	4468334		< 0.5	< 0.5	NA	< 0.5	86%	50%	140%	97%	50%	140%	91%	50%	140%
2-Chlorophenol	4468334		< 0.5	< 0.5	NA	< 0.5	91%	50%	140%	68%	50%	140%	80%	50%	140%
o-Cresol	4468334		< 0.5	< 0.5	NA	< 0.5	80%	50%	140%	64%	50%	140%	102%	50%	140%
Bis(2-chloroisopropyl)ether	4468334		< 0.5	< 0.5	NA	< 0.5	102%	50%	140%	83%	50%	140%	67%	50%	140%
m&p-Cresol	4468334		< 0.6	< 0.6	NA	< 0.6	68%	50%	140%	105%	50%	140%	98%	50%	140%
2,4-Dimethylphenol	4468334		< 0.5	< 0.5	NA	< 0.5	94%	30%	130%	98%	30%	130%	106%	30%	130%
2,4-Dichlorophenol	4468334		< 0.3	< 0.3	NA	< 0.3	83%	50%	140%	76%	50%	140%	98%	50%	140%
1,2,4-Trichlorobenzene	4468334		< 0.5	< 0.5	NA	< 0.5	61%	50%	140%	112%	50%	140%	88%	50%	140%
p-Chloroaniline	4468334		< 1.0	< 1.0	NA	< 1.0	86%	30%	130%	91%	30%	130%	73%	30%	130%
2,4,6-Trichlorophenol	4468334		< 0.20	< 0.20	NA	< 0.20	88%	50%	140%	68%	50%	140%	89%	50%	140%
2,4,5-Trichlorophenol	4468334		< 0.20	< 0.20	NA	< 0.20	91%	50%	140%	91%	50%	140%	76%	50%	140%
1,1'-Biphenyl	4468334		< 0.50	< 0.50	NA	< 0.50	80%	50%	140%	83%	50%	140%	88%	50%	140%
Dimethyl phthalate	4468334		< 0.50	< 0.50	NA	< 0.50	102%	50%	140%	64%	50%	140%	106%	50%	140%
Diethyl phthalate	4468334		< 0.50	< 0.50	NA	< 0.50	56%	50%	140%	64%	50%	140%	67%	50%	140%
Pentachlorophenol	4468334		< 0.50	< 0.50	NA	< 0.50	89%	50%	140%	89%	50%	140%	67%	50%	140%
3,3'-dichlorobenzidine	4468334		< 0.50	< 0.50	NA	< 0.50	88%	30%	130%	91%	30%	130%	73%	30%	130%
Bis(2-Ethylhexyl)phthalate	4468334		< 0.50	< 0.50	NA	< 0.50	89%	50%	140%	105%	50%	140%	71%	50%	140%

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AGAT WORK ORDER: 23P990757

PROJECT: 220509
ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Trace Organics Analysis (Continued)

RPT Date: Feb 02, 2023

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
2,4-Dinitrophenol	4468334		< 10	< 10	NA	< 10	84%	30%	130%	67%	30%	130%	98%	30%	130%
O. Reg. 153(511) - PCBs (Water)															
Polychlorinated Biphenyls	4722042		< 0.1	< 0.1	0.0%	< 0.1	93%	50%	140%	92%	50%	140%	85%	50%	140%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	4705529		<0.40	<0.40	NA	< 0.40	92%	50%	140%	73%	50%	140%	113%	50%	140%
Vinyl Chloride	4705529		<0.17	<0.17	NA	< 0.17	86%	50%	140%	78%	50%	140%	93%	50%	140%
Bromomethane	4705529		<0.20	<0.20	NA	< 0.20	76%	50%	140%	90%	50%	140%	107%	50%	140%
Trichlorofluoromethane	4705529		<0.40	<0.40	NA	< 0.40	80%	50%	140%	79%	50%	140%	64%	50%	140%
Acetone	4705529		<1.0	<1.0	NA	< 1.0	88%	50%	140%	108%	50%	140%	106%	50%	140%
1,1-Dichloroethylene	4705529		<0.30	<0.30	NA	< 0.30	70%	50%	140%	94%	60%	130%	76%	50%	140%
Methylene Chloride	4705529		<0.30	<0.30	NA	< 0.30	75%	50%	140%	85%	60%	130%	83%	50%	140%
trans- 1,2-Dichloroethylene	4705529		<0.20	<0.20	NA	< 0.20	75%	50%	140%	93%	60%	130%	92%	50%	140%
Methyl tert-butyl ether	4705529		<0.20	<0.20	NA	< 0.20	84%	50%	140%	95%	60%	130%	89%	50%	140%
1,1-Dichloroethane	4705529		0.63	0.61	NA	< 0.30	76%	50%	140%	96%	60%	130%	99%	50%	140%
Methyl Ethyl Ketone	4705529		<1.0	<1.0	NA	< 1.0	90%	50%	140%	100%	50%	140%	112%	50%	140%
cis- 1,2-Dichloroethylene	4705529		<0.20	<0.20	NA	< 0.20	78%	50%	140%	96%	60%	130%	110%	50%	140%
Chloroform	4705529		<0.20	<0.20	NA	< 0.20	86%	50%	140%	99%	60%	130%	112%	50%	140%
1,2-Dichloroethane	4705529		<0.20	<0.20	NA	< 0.20	90%	50%	140%	103%	60%	130%	103%	50%	140%
1,1,1-Trichloroethane	4705529		<0.30	<0.30	NA	< 0.30	74%	50%	140%	89%	60%	130%	73%	50%	140%
Carbon Tetrachloride	4705529		<0.20	<0.20	NA	< 0.20	72%	50%	140%	80%	60%	130%	90%	50%	140%
Benzene	4705529		<0.20	<0.20	NA	< 0.20	82%	50%	140%	95%	60%	130%	105%	50%	140%
1,2-Dichloropropane	4705529		<0.20	<0.20	NA	< 0.20	85%	50%	140%	93%	60%	130%	114%	50%	140%
Trichloroethylene	4705529		<0.20	<0.20	NA	< 0.20	80%	50%	140%	76%	60%	130%	74%	50%	140%
Bromodichloromethane	4705529		<0.20	<0.20	NA	< 0.20	71%	50%	140%	78%	60%	130%	99%	50%	140%
Methyl Isobutyl Ketone	4705529		<1.0	<1.0	NA	< 1.0	111%	50%	140%	108%	50%	140%	110%	50%	140%
1,1,2-Trichloroethane	4705529		<0.20	<0.20	NA	< 0.20	96%	50%	140%	105%	60%	130%	106%	50%	140%
Toluene	4705529		<0.20	<0.20	NA	< 0.20	86%	50%	140%	97%	60%	130%	89%	50%	140%
Dibromochloromethane	4705529		<0.10	<0.10	NA	< 0.10	75%	50%	140%	79%	60%	130%	98%	50%	140%
Ethylene Dibromide	4705529		<0.10	<0.10	NA	< 0.10	91%	50%	140%	99%	60%	130%	101%	50%	140%
Tetrachloroethylene	4705529		<0.20	<0.20	NA	< 0.20	85%	50%	140%	90%	60%	130%	71%	50%	140%
1,1,1,2-Tetrachloroethane	4705529		<0.10	<0.10	NA	< 0.10	76%	50%	140%	87%	60%	130%	90%	50%	140%
Chlorobenzene	4705529		<0.10	<0.10	NA	< 0.10	89%	50%	140%	96%	60%	130%	100%	50%	140%
Ethylbenzene	4705529		0.46	0.42	NA	< 0.10	84%	50%	140%	92%	60%	130%	82%	50%	140%
m & p-Xylene	4705529		0.59	0.59	NA	< 0.20	83%	50%	140%	91%	60%	130%	85%	50%	140%
Bromoform	4705529		<0.10	<0.10	NA	< 0.10	82%	50%	140%	77%	60%	130%	100%	50%	140%
Styrene	4705529		<0.10	<0.10	NA	< 0.10	82%	50%	140%	86%	60%	130%	92%	50%	140%
1,1,2,2-Tetrachloroethane	4705529		<0.10	<0.10	NA	< 0.10	100%	50%	140%	102%	60%	130%	102%	50%	140%
o-Xylene	4705529		<0.10	<0.10	NA	< 0.10	86%	50%	140%	94%	60%	130%	93%	50%	140%

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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P990757

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

Trace Organics Analysis (Continued)

RPT Date: Feb 02, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,3-Dichlorobenzene	4705529		<0.10	<0.10	NA	< 0.10	91%	50%	140%	91%	60%	130%	102%	50%	140%
1,4-Dichlorobenzene	4705529		<0.10	<0.10	NA	< 0.10	88%	50%	140%	93%	60%	130%	107%	50%	140%
1,2-Dichlorobenzene	4705529		<0.10	<0.10	NA	< 0.10	93%	50%	140%	93%	60%	130%	110%	50%	140%
n-Hexane	4705529		<0.20	<0.20	NA	< 0.20	71%	50%	140%	81%	60%	130%	96%	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).

Formaldehyde (Water)															
Formaldehyde	NA	NA	NA	0.0%	< 10	NA	70%	130%	96%	70%	130%	NA	70%	130%
2,3,5,6-Tetrafluorobenzaldehyde	NA	NA	NA	0.0%	93	NA	40%	140%	98%	40%	140%	NA	40%	140%

Comments: NA : Non applicable

NA dans l'écart du duplicata indique que l'écart n'a pu être calculé car l'un ou les deux résultats sont < 5x LDR.

NA dans le pourcentage de récupération de l'échantillon fortifié indique que le résultat n'est pas fourni en raison de l'hétérogénéité de l'échantillon ou de la concentration trop élevée par rapport à l'ajout.

NA dans le blanc fortifié ou le MRC indique qu'il n'est pas requis par la procédure.

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Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P990757
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

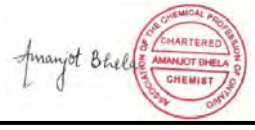
Water Analysis

RPT Date: Feb 02, 2023

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Water)															
Dissolved Antimony	4713485		1.6	1.9	NA	< 1.0	106%	70%	130%	105%	80%	120%	108%	70%	130%
Dissolved Arsenic	4713485		<1.0	<1.0	NA	< 1.0	93%	70%	130%	98%	80%	120%	95%	70%	130%
Dissolved Barium	4713485		106	112	5.5%	< 2.0	106%	70%	130%	111%	80%	120%	116%	70%	130%
Dissolved Beryllium	4713485		<0.50	<0.50	NA	< 0.50	91%	70%	130%	100%	80%	120%	102%	70%	130%
Dissolved Boron	4713485		45.2	48.7	NA	< 10.0	98%	70%	130%	99%	80%	120%	105%	70%	130%
Dissolved Cadmium	4713485		<0.20	<0.20	NA	< 0.20	101%	70%	130%	102%	80%	120%	106%	70%	130%
Dissolved Chromium	4713485		<2.0	<2.0	NA	< 2.0	100%	70%	130%	101%	80%	120%	100%	70%	130%
Dissolved Cobalt	4713485		0.85	0.60	NA	< 0.50	99%	70%	130%	102%	80%	120%	97%	70%	130%
Dissolved Copper	4713485		3.3	3.6	NA	< 1.0	101%	70%	130%	97%	80%	120%	97%	70%	130%
Dissolved Lead	4713485		<0.50	<0.50	NA	< 0.50	97%	70%	130%	99%	80%	120%	96%	70%	130%
Dissolved Molybdenum	4713485		4.12	4.68	12.7%	< 0.50	100%	70%	130%	98%	80%	120%	102%	70%	130%
Dissolved Nickel	4713485		3.7	3.8	NA	< 1.0	100%	70%	130%	97%	80%	120%	101%	70%	130%
Dissolved Selenium	4713485		<1.0	<1.0	NA	< 1.0	96%	70%	130%	100%	80%	120%	93%	70%	130%
Dissolved Silver	4713485		<0.20	<0.20	NA	< 0.20	100%	70%	130%	99%	80%	120%	98%	70%	130%
Dissolved Thallium	4713485		<0.30	<0.30	NA	< 0.30	100%	70%	130%	103%	80%	120%	102%	70%	130%
Dissolved Uranium	4713485		2.22	2.17	NA	< 0.50	98%	70%	130%	99%	80%	120%	97%	70%	130%
Dissolved Vanadium	4713485		<0.40	<0.40	NA	< 0.40	101%	70%	130%	104%	80%	120%	102%	70%	130%
Dissolved Zinc	4713485		11.7	<5.0	NA	< 5.0	98%	70%	130%	92%	80%	120%	102%	70%	130%
Mercury	4715752	4715752	<0.02	<0.02	NA	< 0.02	105%	70%	130%	100%	80%	120%	98%	70%	130%
Chromium VI	4715752	4715752	<2.000	<2.000	NA	< 2	102%	70%	130%	97%	80%	120%	96%	70%	130%
Cyanide, WAD	4714914		<2	<2	NA	< 2	105%	70%	130%	97%	80%	120%	108%	70%	130%
Dissolved Sodium	4713485		6650	6190	7.2%	< 50	101%	70%	130%	104%	80%	120%	100%	70%	130%
Chloride	4715752	4715752	10800	10200	5.7%	< 100	90%	70%	130%	94%	80%	120%	98%	70%	130%
Electrical Conductivity	4715743		853	851	0.2%	< 2	101%	90%	110%	NA			NA		
pH	4715743		7.74	7.84	1.3%	NA	99%	90%	110%	NA			NA		

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

Certified By:



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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P990757

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Formaldehyde	ORG-100-5126F	Standard Methods 6252B	GC/MS
2,3,5,6-Tetrafluorobenzaldehyde	ORG-100-5126F	Standard Methods 6252B	GC/MS
Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluorene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenanthrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(b)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(k)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dibenz(a,h)anthracene	ORG-91-5114	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroethyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Chlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
o-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroisopropyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
m&p-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dimethylphenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,2,4-Trichlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
p-Chloroaniline	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS

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AGAT WORK ORDER: 23P990757
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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
2-and 1-methyl Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
2,4,6-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,5-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,1'-Biphenyl	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dimethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4 and 2,6-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
Diethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pentachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
3,3'-dichlorobenzidine	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-Ethylhexyl)phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Fluorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
phenol-d6 surrogate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Tribromophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene-d12	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	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-C10)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
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

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P990757
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

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

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

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Mercury	MET-93-6100	modified from EPA 245.2 and SM 3112 B	CVAAS
Chromium VI	INOR-93-6073	modified from SM 3500-CR B	LACHAT FIA
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015, SM 4500-CN- I, G-387	TECHNICON AUTO ANALYZER
Dissolved Sodium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP/MS
Chloride	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Electrical Conductivity	INOR-93-6000	SM 2510 B	PC TITRATE
pH	INOR-93-6000	modified from SM 4500-H+ B	PC TITRATE

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

Chain of Custody Record

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

Laboratory Use Only

Work Order #: 23P990757

Cooler Quantity: 4

Arrival Temperatures: 9.7 | 9.2 | 9.4
6.7 | 6.9 | 7.3

Custody Seal Intact: ☐ Yes ☐ No ☐ N/A

Notes: ice

Report Information:

Company: BluMetric Environmental Inc
Contact: Paul Bandler
Address: 4 Cataraqui Street
Kingston ON
Phone: 613 453 5496 Fax:
Reports to be sent to:
1. Email: pbandler@blumetric.ca
2. Email: mlloyd@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04
Table 7 (Indicate One)
☐ Ind/Com
☑ Res/Park
☐ Agriculture
Soil Texture (Check One)
☐ Coarse
☐ Fine

☐ Excess Soils R406
Table ____ (Indicate One)

☐ Regulation 558

☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other
Indicate One

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

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

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

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

OR Date Required (Rush Surcharges May Apply):

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

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

Project Information:

Project: 220509
Site Location: Bakelite Belleville
Sampled By: ML
AGAT Quote #: 747248 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: ap@blumetric.ca

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered (Metals, Hg, CrVI, DOC) Y/N	O. Reg 153: Metals & Inorganics	Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	BTEX, F1-F4 PHCs	PAHs	PCBs	VOC	Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach ☐ VOCs ☐ SVOCs	Excess Soils Characterization Package SPLP: ☐ Metals pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	CP's, ABNs	Formaldehyde					Potentially Hazardous or High Concentration (Y/N)
MW213	23-01-23	9:15 AM/PM	18	GW		Y	✓		✓	✓	✓	✓						✓						
MW212		10:30 AM/PM	20	GW		Y	✓		✓	✓	✓	✓						✓	✓					
MW211		11:55 AM/PM	18	GW		Y	✓		✓	✓	✓	✓						✓						
MW209		13:10 AM/PM	20	GW		Y	✓		✓	✓	✓	✓						✓	✓					
MW208		14:55 AM/PM	20	GW		Y	✓		✓	✓	✓	✓						✓	✓					
MW210		15:55 AM/PM	18	GW		Y	✓		✓	✓	✓	✓						✓						
MW206		16:55 AM/PM	20	GW		Y	✓		✓	✓		✓						✓						
GW-Dup3		9:15 AM/PM	18	GW		Y	✓		✓	✓	✓	✓						✓						
		AM/PM																						
		AM/PM																						
		AM/PM																						

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
M Lloyd	23-01-24	6:00am	Karly Jones	Jan 24/23	8am
	Jan 24/23	1600		1/25/23	9:40AM

Page 1 of 1

N°: T - 138816

AGAT Laboratories

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

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725

ATTENTION TO: Paul Bandler

PROJECT: 220509

AGAT WORK ORDER: 23P991368

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

ULTRA TRACE REVIEWED BY: Amar Bellahsene, Chimiste, AGAT Montréal

WATER ANALYSIS REVIEWED BY: Amanjot Bhela, Inorganic Lab Manager

DATE REPORTED: Feb 17, 2023

PAGES (INCLUDING COVER): 38

VERSION*: 2

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

*Notes

VERSION 2:V2 issued 2023-02-17. Complete report. Supersedes previous version.
V1 issued 2023-02-06. Partial report excluding Dioxins and Furans. (LB)

Disclaimer:

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

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Certificate of Analysis

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

SAMPLE DESCRIPTION:				MW214	MW223	MW221	MW217	MW218	Trip Blank	MW219	MW220
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2023-01-24 08:20	2023-01-24 10:15	2023-01-24 12:30	2023-01-24 14:05	2023-01-24 16:30	2023-01-24	2023-01-25 09:20	2023-01-25 11:55
Parameter	Unit	G / S	RDL	4719230	4719247	4719271	4719284	4719310	4719315	4719318	4719333
Naphthalene	µg/L	7	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthylene	µg/L	1	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acenaphthene	µg/L	17	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.87
Fluorene	µg/L	290	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.84
Phenanthrene	µg/L	380	0.10	<0.10	0.81	<0.10	<0.10	<0.10	<0.10	<0.10	11.2
Anthracene	µg/L	1	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	2.43
Fluoranthene	µg/L	44	0.20	<0.20	1.49	<0.20	<0.20	<0.20	<0.20	<0.20	20.6
Pyrene	µg/L	5.7	0.20	<0.20	1.28	<0.20	<0.20	<0.20	<0.20	<0.20	16.5
Benzo(a)anthracene	µg/L	1.8	0.20	<0.20	0.46	<0.20	<0.20	<0.20	<0.20	<0.20	5.64
Chrysene	µg/L	0.7	0.10	<0.10	0.53	<0.10	<0.10	<0.10	<0.10	<0.10	5.85
Benzo(b)fluoranthene	µg/L	0.75	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	9.68
Benzo(k)fluoranthene	µg/L	0.4	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	5.36
Benzo(a)pyrene	µg/L	0.81	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	6.65
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	2.89
Dibenz(a,h)anthracene	µg/L	0.4	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	4.34
Phenol	µg/L	9600	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bis(2-chloroethyl)ether	µg/L	240000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorophenol	µg/L	2600	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
o-Cresol	µg/L		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bis(2-chloroisopropyl)ether	µg/L	20000	0.5	<0.5	<0.5	4.01	<0.5	<0.5	<0.5	<0.5	<0.5
m&p-Cresol	µg/L		0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
2,4-Dimethylphenol	µg/L	31000	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dichlorophenol	µg/L	3700	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
1,2,4-Trichlorobenzene	µg/L		0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Chloroaniline	µg/L	320	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-and 1-methyl Naphthalene	µg/L	1500	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,6-Trichlorophenol	µg/L	180	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2,4,5-Trichlorophenol	µg/L	1300	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

O. Reg. 153(511) - BNA (full) + PAHs (Water)

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

		SAMPLE DESCRIPTION:		MW214	MW223	MW221	MW217	MW218	Trip Blank	MW219	MW220
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-01-24 08:20	2023-01-24 10:15	2023-01-24 12:30	2023-01-24 14:05	2023-01-24 16:30	2023-01-24	2023-01-25 09:20	2023-01-25 11:55
Parameter	Unit	G / S	RDL	4719230	4719247	4719271	4719284	4719310	4719315	4719318	4719333
1,1'-Biphenyl	µg/L	1000	0.50	<0.50	<0.50	4.55	<0.50	<0.50	<0.50	<0.50	<0.50
Dimethyl phthalate	µg/L	30	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4 and 2,6-Dinitrotoluene	µg/L	2300	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Diethyl phthalate	µg/L	30	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Pentachlorophenol	µg/L	50	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
3,3'-dichlorobenzidine	µg/L	500	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bis(2-Ethylhexyl)phthalate	µg/L	30	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,4-Dinitrophenol	µg/L	9000	10	<10	<10	<10	<10	<10	<10	<10	<10
Sediment				NO	NO	NO	NO	NO	NO	NO	NO
Surrogate	Unit	Acceptable Limits									
2-Fluorophenol	%	50-140		88	88	68	71	61	66	76	81
phenol-d6 surrogate	%	50-140		94	85	97	98	85	84	98	71
2,4,6-Tribromophenol	%	50-140		73	106	108	76	97	94	87	93
Chrysene-d12	%	50-140		65	83	90	82	73	80	105	72

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4719230-4719333 To meet the MOE Reporting limits the sample extract was analysed using two separate GC/MS methods. The full scan BNA method is capable of detecting most of the compounds at the RDLs except for several PAHs. The PAHs were analysed using a SIM mode GC/MS method.
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.

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

Analysis performed at AGAT Toronto (unless marked by *)

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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Certificate of Analysis

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

				SAMPLE DESCRIPTION:	MW222	MW224
				SAMPLE TYPE:	Water	Water
				DATE SAMPLED:	2023-01-24 11:15	2023-01-25 10:20
Parameter	Unit	G / S	RDL		4719248	4719347
Naphthalene	µg/L	7	0.20		<0.20	<0.20
Acenaphthylene	µg/L	1	0.20		<0.20	<0.20
Acenaphthene	µg/L	17	0.20		<0.20	<0.20
Fluorene	µg/L	290	0.20		<0.20	<0.20
Phenanthrene	µg/L	380	0.10		<0.10	<0.10
Anthracene	µg/L	1	0.10		<0.10	<0.10
Fluoranthene	µg/L	44	0.20		<0.20	<0.20
Pyrene	µg/L	5.7	0.20		<0.20	<0.20
Benzo(a)anthracene	µg/L	1.8	0.20		<0.20	<0.20
Chrysene	µg/L	0.7	0.10		<0.10	<0.10
Benzo(b)fluoranthene	µg/L	0.75	0.10		<0.10	<0.10
Benzo(k)fluoranthene	µg/L	0.4	0.10		<0.10	<0.10
Benzo(a)pyrene	µg/L	0.81	0.01		<0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L	0.2	0.20		<0.20	<0.20
Dibenz(a,h)anthracene	µg/L	0.4	0.20		<0.20	<0.20
Benzo(g,h,i)perylene	µg/L	0.2	0.20		<0.20	<0.20
2-and 1-methyl Naphthalene	µg/L	1500	0.20		<0.20	<0.20
Sediment					TRACE	TRACE
Surrogate	Unit	Acceptable Limits				
Naphthalene-d8	%	50-140			72	92
Acridine-d9	%	50-140			91	70
Terphenyl-d14	%	50-140			76	99

Certified By:

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

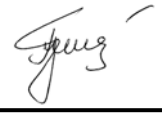
DATE REPORTED: 2023-02-17

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4719248-4719347 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&(j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

				SAMPLE DESCRIPTION:	MW216	MW217	Trip Blank	MW224
				SAMPLE TYPE:	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-24 09:00	2023-01-24 14:05	2023-01-24	2023-01-25 10:20
Parameter	Unit	G / S	RDL		4719246	4719284	4719315	4719347
Polychlorinated Biphenyls	µg/L	0.2	0.1		<0.1	<0.1	<0.1	<0.1
Surrogate	Unit	Acceptable Limits						
Decachlorobiphenyl	%	60-140			70	76	70	109

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4719246-4719347 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:

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
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Certificate of Analysis

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

				SAMPLE DESCRIPTION:	MW214	MW223	MW222	MW221	MW217	MW218	Trip Blank	MW219
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-24 08:20	2023-01-24 10:15	2023-01-24 11:15	2023-01-24 12:30	2023-01-24 14:05	2023-01-24 16:30	2023-01-24	2023-01-25 09:20
Parameter	Unit	G / S	RDL		4719230	4719247	4719248	4719271	4719284	4719310	4719315	4719318
F1 (C6-C10)	µg/L		25		<25	<25	<25	<25	126	33	<25	<25
F1 (C6 to C10) minus BTEX	µg/L	420	25		<25	<25	<25	<25	126	<25	<25	<25
F2 (C10 to C16)	µg/L	150	100		<100	<100	<100	283	<100	267	<100	315
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100	<100	<100	283	<100	267	<100	315
F3 (C16 to C34)	µg/L	500	100		<100	<100	<100	<100	<100	<100	<100	<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100	<100	<100	<100	<100	<100	<100	<100
F4 (C34 to C50)	µg/L	500	100		<100	<100	<100	<100	<100	<100	<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA	NA	NA	NA	NA	NA	NA	NA
Sediment					1	1	1	1	3	1	1	1
Surrogate	Unit	Acceptable Limits										
Toluene-d8	%	50-140			109	109	121	115	111	108	106	116
Terphenyl	% Recovery	60-140			86	96	92	87	85	90	72	105

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Certificate of Analysis

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

				SAMPLE DESCRIPTION:	MW220
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2023-01-25 11:55
Parameter	Unit	G / S	RDL		4719333
F1 (C6-C10)	µg/L		25		<25
F1 (C6 to C10) minus BTEX	µg/L	420	25		<25
F2 (C10 to C16)	µg/L	150	100		<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100
F3 (C16 to C34)	µg/L	500	100		<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100
F4 (C34 to C50)	µg/L	500	100		<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA
Sediment					1
Surrogate	Unit	Acceptable Limits			
Toluene-d8	%	50-140			107
Terphenyl	% Recovery	60-140			85

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AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4719230-4719333 The C6-C10 fraction is calculated using toluene response factor.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

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

Analysis performed at AGAT Toronto (unless marked by *)

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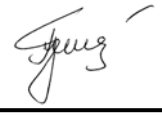

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

				SAMPLE DESCRIPTION:	MW224
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2023-01-25 10:20
Parameter	Unit	G / S	RDL		4719347
Benzene	µg/L	0.5	0.20		<0.20
Toluene	µg/L	320	0.20		<0.20
Ethylbenzene	µg/L	54	0.10		<0.10
m & p-Xylene	µg/L		0.20		<0.20
o-Xylene	µg/L		0.10		<0.10
Xylenes (Total)	µg/L	72	0.20		<0.20
F1 (C6-C10)	µg/L		25		<25
F1 (C6 to C10) minus BTEX	µg/L	420	25		<25
F2 (C10 to C16)	µg/L	150	100		<100
F2 (C10 to C16) minus Naphthalene	µg/L		100		<100
F3 (C16 to C34)	µg/L	500	100		<100
F3 (C16 to C34) minus PAHs	µg/L		100		<100
F4 (C34 to C50)	µg/L	500	100		<100
Gravimetric Heavy Hydrocarbons	µg/L		500		NA
Sediment					1
Surrogate	Unit	Acceptable Limits			
Toluene-d8	% Recovery	60-140			78
Terphenyl	% Recovery	60-140			88

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CANADA L4Z 1Y2
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AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4719347 Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amount
The C6-C10 fraction is calculated using toluene response factor.
Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6–C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX and PAH contributions.
C>10 – C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (PAH: sum of Phenanthrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene and Pyrene).
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.

Analysis performed at AGAT Toronto (unless marked by *)

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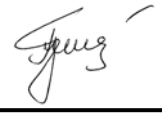

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

		SAMPLE DESCRIPTION:		MW214	MW223	MW222	MW221	MW217	MW218	Trip Blank	MW219
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-01-24 08:20	2023-01-24 10:15	2023-01-24 11:15	2023-01-24 12:30	2023-01-24 14:05	2023-01-24 16:30	2023-01-24	2023-01-25 09:20
Parameter	Unit	G / S	RDL	4719230	4719247	4719248	4719271	4719284	4719310	4719315	4719318
Dichlorodifluoromethane	µg/L	3500	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	2000	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone	µg/L	100000	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	µg/L	0.5	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	µg/L	26	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	11	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Ethyl Ketone	µg/L	21000	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	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	23	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Carbon Tetrachloride	µg/L	0.2	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	0.58	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	67000	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Isobutyl Ketone	µg/L	5200	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	µg/L	0.5	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	320	0.20	<0.20	<0.20	<0.20	15.4	0.33	6.88	<0.20	<0.20
Dibromochloromethane	µg/L	65000	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	0.5	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	140	0.10	<0.10	<0.10	<0.10	7.36	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	µg/L	54	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.62	<0.10	<0.10

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CANADA L4Z 1Y2
TEL (905)712-5100
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AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

				SAMPLE DESCRIPTION:	MW214	MW223	MW222	MW221	MW217	MW218	Trip Blank	MW219
				SAMPLE TYPE:	Water	Water	Water	Water	Water	Water	Water	Water
				DATE SAMPLED:	2023-01-24 08:20	2023-01-24 10:15	2023-01-24 11:15	2023-01-24 12:30	2023-01-24 14:05	2023-01-24 16:30	2023-01-24	2023-01-25 09:20
Parameter	Unit	G / S	RDL		4719230	4719247	4719248	4719271	4719284	4719310	4719315	4719318
m & p-Xylene	µg/L		0.20		<0.20	<0.20	<0.20	<0.20	<0.20	4.01	<0.20	<0.20
Bromoform	µg/L	5	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Styrene	µg/L	43	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	0.5	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
o-Xylene	µg/L		0.10		<0.10	<0.10	<0.10	<0.10	<0.10	1.51	<0.10	<0.10
1,3-Dichlorobenzene	µg/L	7600	0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L	0.5	0.10		<0.10	<0.10	<0.10	1.70	<0.10	<0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L	150	0.10		<0.10	<0.10	<0.10	96.3	0.88	<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	72	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	5.52	<0.20	<0.20
n-Hexane	µg/L	5	0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Surrogate	Unit	Acceptable Limits										
Toluene-d8	% Recovery	50-140			109	109	121	115	111	108	106	116
4-Bromofluorobenzene	% Recovery	50-140			98	96	105	107	96	101	95	107

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AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

		SAMPLE DESCRIPTION:		MW220
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2023-01-25 11:55
Parameter	Unit	G / S	RDL	4719333
Dichlorodifluoromethane	µg/L	3500	0.40	<0.40
Vinyl Chloride	µg/L	0.5	0.17	<0.17
Bromomethane	µg/L	0.89	0.20	<0.20
Trichlorofluoromethane	µg/L	2000	0.40	<0.40
Acetone	µg/L	100000	1.0	<1.0
1,1-Dichloroethylene	µg/L	0.5	0.30	<0.30
Methylene Chloride	µg/L	26	0.30	<0.30
trans- 1,2-Dichloroethylene	µg/L	1.6	0.20	<0.20
Methyl tert-butyl ether	µg/L	15	0.20	<0.20
1,1-Dichloroethane	µg/L	11	0.30	<0.30
Methyl Ethyl Ketone	µg/L	21000	1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L	1.6	0.20	<0.20
Chloroform	µg/L	2	0.20	<0.20
1,2-Dichloroethane	µg/L	0.5	0.20	<0.20
1,1,1-Trichloroethane	µg/L	23	0.30	<0.30
Carbon Tetrachloride	µg/L	0.2	0.20	<0.20
Benzene	µg/L	0.5	0.20	<0.20
1,2-Dichloropropane	µg/L	0.58	0.20	<0.20
Trichloroethylene	µg/L	0.5	0.20	<0.20
Bromodichloromethane	µg/L	67000	0.20	<0.20
Methyl Isobutyl Ketone	µg/L	5200	1.0	<1.0
1,1,2-Trichloroethane	µg/L	0.5	0.20	<0.20
Toluene	µg/L	320	0.20	<0.20
Dibromochloromethane	µg/L	65000	0.10	<0.10
Ethylene Dibromide	µg/L	0.2	0.10	<0.10
Tetrachloroethylene	µg/L	0.5	0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L	1.1	0.10	<0.10
Chlorobenzene	µg/L	140	0.10	<0.10
Ethylbenzene	µg/L	54	0.10	<0.10

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

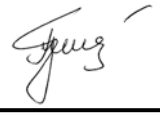
				SAMPLE DESCRIPTION:	MW220
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2023-01-25 11:55
Parameter	Unit	G / S	RDL		4719333
m & p-Xylene	µg/L		0.20		<0.20
Bromoform	µg/L	5	0.10		<0.10
Styrene	µg/L	43	0.10		<0.10
1,1,2,2-Tetrachloroethane	µg/L	0.5	0.10		<0.10
o-Xylene	µg/L		0.10		<0.10
1,3-Dichlorobenzene	µg/L	7600	0.10		<0.10
1,4-Dichlorobenzene	µg/L	0.5	0.10		<0.10
1,2-Dichlorobenzene	µg/L	150	0.10		<0.10
1,3-Dichloropropene	µg/L	0.5	0.30		<0.30
Xylenes (Total)	µg/L	72	0.20		<0.20
n-Hexane	µg/L	5	0.20		<0.20
Surrogate	Unit	Acceptable Limits			
Toluene-d8	% Recovery	50-140			107
4-Bromofluorobenzene	% Recovery	50-140			82

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4719230-4719333 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene.
The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



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

Certificate of Analysis

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

Dioxins and Furans (Waste Water) WHO 2005

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

		SAMPLE DESCRIPTION:		MW219
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2023-01-25 09:20
Parameter	Unit	G / S	RDL	4719318
2,3,7,8-Tetra CDD	pg/L		0.1	<0.1
1,2,3,7,8-Penta CDD	pg/L		0.1	1.2
1,2,3,4,7,8-Hexa CDD	pg/L		0.1	0.8
1,2,3,6,7,8-Hexa CDD	pg/L		0.1	0.9
1,2,3,7,8,9-Hexa CDD	pg/L		0.1	1.1
1,2,3,4,6,7,8-Hepta CDD	pg/L		0.1	0.5
Octa CDD	pg/L		0.1	1.5
2,3,7,8-Tetra CDF	pg/L		0.1	0.4
1,2,3,7,8-Penta CDF	pg/L		0.1	1.3
2,3,4,7,8-Penta CDF	pg/L		0.1	0.9
1,2,3,4,7,8-Hexa CDF	pg/L		0.1	0.8
1,2,3,6,7,8-Hexa CDF	pg/L		0.1	0.7
2,3,4,6,7,8-Hexa CDF	pg/L		0.1	0.7
1,2,3,7,8,9-Hexa CDF	pg/L		0.1	0.8
1,2,3,4,6,7,8-Hepta CDF	pg/L		0.1	0.4
1,2,3,4,7,8,9-Hepta CDF	pg/L		0.1	0.4
Octa CDF	pg/L		0.1	0.5
Total Tetra CDD	pg/L		0.1	<0.1
Total Penta CDD	pg/L		0.1	1.5
Total Hexa CDD	pg/L		0.1	<0.1
Total Hepta CDD	pg/L		0.1	0.5
Total PCDDs	pg/L		0.1	3.5
Total Tetra CDF	pg/L		0.1	0.8
Total Penta CDF	pg/L		0.1	2.3
Total Hexa CDF	pg/L		0.1	3.0
Total Hepta CDF	pg/L		0.1	0.8
Total PCDFs	pg/L		0.1	7.5
2,3,7,8-Tetra CDD (TEQ)	pg TEQ/L			0.0500
1,2,3,7,8-Penta CDD (TEQ	pg TEQ/L			1.23

Certified By:

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

Certificate of Analysis

AGAT WORK ORDER: 23P991368
PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
SAMPLING SITE:Bakelite Belleville

ATTENTION TO: Paul Bandler
SAMPLED BY:ML

Dioxins and Furans (Waste Water) WHO 2005

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

				SAMPLE DESCRIPTION:	MW219
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2023-01-25 09:20
Parameter	Unit	G / S	RDL		4719318
1,2,3,4,7,8-Hexa CDD (TEQ)	pg TEQ/L				0.0815
1,2,3,6,7,8-Hexa CDD (TEQ)	pg TEQ/L				0.0914
1,2,3,7,8,9-Hexa CDD (TEQ)	pg TEQ/L				0.109
1,2,3,4,6,7,8-Hepta CDD (TEQ)	pg TEQ/L				0.00462
Octa CDD (TEQ)	pg TEQ/L				0.000449
2,3,7,8-Tetra CDF (TEQ)	pg TEQ/L				0.0444
1,2,3,7,8-Penta CDF (TEQ)	pg TEQ/L				0.0391
2,3,4,7,8-Penta CDF (TEQ)	pg TEQ/L				0.273
1,2,3,4,7,8-Hexa CDF (TEQ)	pg TEQ/L				0.0763
1,2,3,6,7,8-Hexa CDF (TEQ)	pg TEQ/L				0.0738
1,2,3,7,8,9-Hexa CDF (TEQ)	pg TEQ/L				0.0690
2,3,4,6,7,8-Hexa CDF (TEQ)	pg TEQ/L				0.0785
1,2,3,4,6,7,8-Hepta CDF (TEQ)	pg TEQ/L				0.00366
1,2,3,4,7,8,9-Hepta CDF (TEQ)	pg TEQ/L				0.00366
Octa CDF (TEQ)	pg TEQ/L				0.000154
Total PCDDs and PCDFs (TEQ)	pg TEQ/L	100			2.23

Certified By:

CHIMISTE
Amar Bellahsene
2011-214
QUEBEC

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
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Certificate of Analysis

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

Dioxins and Furans (Waste Water) WHO 2005

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

		SAMPLE DESCRIPTION:	MW219
		SAMPLE TYPE:	Water
		DATE SAMPLED:	2023-01-25 09:20
Surrogate	Unit	Acceptable Limits	4719318
13C-2,3,7,8-TCDF	%	40-130	48
13C-1,2,3,7,8-PeCDF	%	40-130	59
13C-2,3,4,7,8-PeCDF	%	40-130	63
13C-1,2,3,4,7,8-HxCDF	%	40-130	68
13C-1,2,3,6,7,8-HxCDF	%	40-130	69
13C-2,3,4,6,7,8-HxCDF	%	40-130	74
13C-1,2,3,7,8,9-HxCDF	%	40-130	73
13C-1,2,3,4,6,7,8-HpCDF	%	40-130	70
13C-1,2,3,4,7,8,9-HpCDF	%	40-130	73
13C-2,3,7,8-TCDD	%	40-130	51
13C-1,2,3,7,8-PeCDD	%	40-130	63
13C-1,2,3,4,7,8-HxCDD	%	40-130	73
13C-1,2,3,6,7,8-HxCDD	%	40-130	72
13C-1,2,3,4,6,7,8-HpCDD	%	40-130	75
13C-OCDD	%	40-130	71

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4719318 LDR = LDE = Estimated Detection Limit
TEQ = Toxicity Equivalent
Toxicity Equivalency Factors (TEF) based on WHO 2005.
The results were corrected based on the surrogate percent recoveries.
The isotopic ratio of 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, and 1,2,3,7,8,9-HxCDD failed; they are quantified, but not included in the totals.

Analysis performed at AGAT Montréal (unless marked by *)

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

DATE REPORTED: 2023-02-17

		SAMPLE DESCRIPTION:		MW222	MW217	MW218	Trip Blank	MW219	MW220	MW224
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2023-01-24 11:15	2023-01-24 14:05	2023-01-24 16:30	2023-01-24	2023-01-25 09:20	2023-01-25 11:55	2023-01-25 10:20
Parameter	Unit	G / S	RDL	4719248	4719284	4719310	4719315	4719318	4719333	4719347
Dissolved Antimony	µg/L	16000	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Arsenic	µg/L	1500	1.0	1.9	<1.0	3.6	<1.0	<1.0	1.0	<1.0
Dissolved Barium	µg/L	23000	2.0	62.2	126	149	<2.0	63.9	85.0	156
Dissolved Beryllium	µg/L	53	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Boron	µg/L	36000	10.0	218	253	310	<10.0	87.5	266	93.5
Dissolved Cadmium	µg/L	2.1	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Chromium	µg/L	640	2.0	5.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Cobalt	µg/L	52	0.50	0.73	0.65	2.21	<0.50	1.46	1.23	<0.50
Dissolved Copper	µg/L	69	1.0	1.8	1.4	<1.0	<1.0	2.8	1.9	<1.0
Dissolved Lead	µg/L	20	0.50	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Molybdenum	µg/L	7300	0.50	46.5	7.08	3.78	<0.50	0.57	14.7	3.48
Dissolved Nickel	µg/L	390	1.0	2.9	1.6	3.3	<1.0	15.4	5.9	1.8
Dissolved Selenium	µg/L	50	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Silver	µg/L	1.2	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dissolved Thallium	µg/L	400	0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dissolved Uranium	µg/L	330	0.50	1.13	0.73	1.00	<0.50	<0.50	4.89	1.74
Dissolved Vanadium	µg/L	200	0.40	0.82	<0.40	<0.40	<0.40	<0.40	0.52	0.87
Dissolved Zinc	µg/L	890	5.0	<5.0	<5.0	<5.0	<5.0	10.2	6.2	<5.0
Mercury	µg/L	0.1	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium VI	µg/L	110	2.000	5.31	<2.000	<2.000	<2.000	<2.000	<2.000	<2.000
Cyanide, WAD	µg/L	52	2	<2	<2	<2	<2	<2	<2	<2
Dissolved Sodium	µg/L	1800000	50	123000	72700	104000	<50	22600	60900	19500
Chloride	µg/L	1800000	100	147000	30000	47800	<100	3910	27400	21900
Electrical Conductivity	uS/cm	NA	2	1200	831	1200	<2	1050	1080	735
pH	pH Units		NA	7.66	7.76	7.67	5.58	7.28	7.75	7.82

Certified By:

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

Certificate of Analysis

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

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

DATE RECEIVED: 2023-01-25

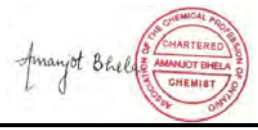
DATE REPORTED: 2023-02-17

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition - Non-Potable Ground Water - All Types of Property Uses - Coarse Textured Soils
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

4719248-4719347 Metals analysis completed on a filtered sample.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



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

Exceedance Summary

AGAT WORK ORDER: 23P991368

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4719271	MW221	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	F2 (C10 to C16)	µg/L	150	283
4719271	MW221	ON T7 NPGW CT	O. Reg. 153(511) - VOCs (with PHC) (Water)	1,4-Dichlorobenzene	µg/L	0.5	1.70
4719310	MW218	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	F2 (C10 to C16)	µg/L	150	267
4719318	MW219	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	F2 (C10 to C16)	µg/L	150	315
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Anthracene	µg/L	1	2.43
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Benzo(a)anthracene	µg/L	1.8	5.64
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Benzo(a)pyrene	µg/L	0.81	6.65
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Benzo(b)fluoranthene	µg/L	0.75	9.68
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Benzo(g,h,i)perylene	µg/L	0.2	4.34
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Benzo(k)fluoranthene	µg/L	0.4	5.36
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Chrysene	µg/L	0.7	5.85
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Indeno(1,2,3-cd)pyrene	µg/L	0.2	2.89
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - BNA (full) + PAHs (Water)	Pyrene	µg/L	5.7	16.5
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Benzo(a)anthracene	µg/L	1.8	5.64
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Benzo(a)pyrene	µg/L	0.81	6.65
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Benzo(b)fluoranthene	µg/L	0.75	9.68
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Benzo(k)fluoranthene	µg/L	0.4	5.36
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Indeno(1,2,3-cd)pyrene	µg/L	0.2	2.89
4719333	MW220	ON T7 NPGW CT	O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)	Pyrene	µg/L	5.7	16.5

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P991368
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Trace Organics Analysis

RPT Date: Feb 17, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs) (Water)															
F2 (C10 to C16)	4719247	4719247	<100	<100	NA	< 100	97%	60%	140%	61%	60%	140%	63%	60%	140%
F3 (C16 to C34)	4719247	4719247	<100	<100	NA	< 100	103%	60%	140%	68%	60%	140%	68%	60%	140%
F4 (C34 to C50)	4719247	4719247	<100	<100	NA	< 100	88%	60%	140%	71%	60%	140%	77%	60%	140%
O. Reg. 153(511) - PCBs (Water)															
Polychlorinated Biphenyls	4720902		< 0.1	< 0.1	NA	< 0.1	98%	50%	140%	91%	50%	140%	85%	50%	140%
O. Reg. 153(511) - PHCs F1 - F4 (with PAHs and VOC) (Water)															
F1 (C6-C10)	4723834		<25	<25	NA	< 25	83%	60%	140%	86%	60%	140%	80%	60%	140%
F2 (C10 to C16)	4719247	4719247	<100	<100	NA	< 100	97%	60%	140%	61%	60%	140%	63%	60%	140%
F3 (C16 to C34)	4719247	4719247	<100	<100	NA	< 100	103%	60%	140%	68%	60%	140%	68%	60%	140%
F4 (C34 to C50)	4719247	4719247	<100	<100	NA	< 100	88%	60%	140%	71%	60%	140%	77%	60%	140%
O. Reg. 153(511) - VOCs (with PHC) (Water)															
Dichlorodifluoromethane	4719271	4719271	<0.40	<0.40	NA	< 0.40	71%	50%	140%	73%	50%	140%	72%	50%	140%
Vinyl Chloride	4719271	4719271	<0.17	<0.17	NA	< 0.17	85%	50%	140%	74%	50%	140%	85%	50%	140%
Bromomethane	4719271	4719271	<0.20	<0.20	NA	< 0.20	112%	50%	140%	94%	50%	140%	82%	50%	140%
Trichlorofluoromethane	4719271	4719271	<0.40	<0.40	NA	< 0.40	119%	50%	140%	112%	50%	140%	81%	50%	140%
Acetone	4719271	4719271	<1.0	<1.0	NA	< 1.0	103%	50%	140%	76%	50%	140%	71%	50%	140%
1,1-Dichloroethylene	4719271	4719271	<0.30	<0.30	NA	< 0.30	84%	50%	140%	95%	60%	130%	72%	50%	140%
Methylene Chloride	4719271	4719271	<0.30	<0.30	NA	< 0.30	77%	50%	140%	73%	60%	130%	76%	50%	140%
trans- 1,2-Dichloroethylene	4719271	4719271	<0.20	<0.20	NA	< 0.20	73%	50%	140%	74%	60%	130%	116%	50%	140%
Methyl tert-butyl ether	4719271	4719271	<0.20	<0.20	NA	< 0.20	110%	50%	140%	73%	60%	130%	78%	50%	140%
1,1-Dichloroethane	4719271	4719271	<0.30	<0.30	NA	< 0.30	70%	50%	140%	105%	60%	130%	95%	50%	140%
Methyl Ethyl Ketone	4719271	4719271	<1.0	<1.0	NA	< 1.0	118%	50%	140%	83%	50%	140%	98%	50%	140%
cis- 1,2-Dichloroethylene	4719271	4719271	<0.20	<0.20	NA	< 0.20	86%	50%	140%	109%	60%	130%	74%	50%	140%
Chloroform	4719271	4719271	<0.20	<0.20	NA	< 0.20	91%	50%	140%	73%	60%	130%	75%	50%	140%
1,2-Dichloroethane	4719271	4719271	<0.20	<0.20	NA	< 0.20	81%	50%	140%	105%	60%	130%	83%	50%	140%
1,1,1-Trichloroethane	4719271	4719271	<0.30	<0.30	NA	< 0.30	74%	50%	140%	75%	60%	130%	70%	50%	140%
Carbon Tetrachloride	4719271	4719271	<0.20	<0.20	NA	< 0.20	103%	50%	140%	73%	60%	130%	79%	50%	140%
Benzene	4719271	4719271	<0.20	<0.20	NA	< 0.20	81%	50%	140%	96%	60%	130%	83%	50%	140%
1,2-Dichloropropane	4719271	4719271	<0.20	<0.20	NA	< 0.20	99%	50%	140%	105%	60%	130%	98%	50%	140%
Trichloroethylene	4719271	4719271	<0.20	<0.20	NA	< 0.20	97%	50%	140%	95%	60%	130%	113%	50%	140%
Bromodichloromethane	4719271	4719271	<0.20	<0.20	NA	< 0.20	92%	50%	140%	78%	60%	130%	78%	50%	140%
Methyl Isobutyl Ketone	4719271	4719271	<1.0	<1.0	NA	< 1.0	104%	50%	140%	108%	50%	140%	93%	50%	140%
1,1,2-Trichloroethane	4719271	4719271	<0.20	<0.20	NA	< 0.20	98%	50%	140%	72%	60%	130%	91%	50%	140%
Toluene	4719271	4719271	15.4	17.5	12.8%	< 0.20	104%	50%	140%	80%	60%	130%	87%	50%	140%
Dibromochloromethane	4719271	4719271	<0.10	<0.10	NA	< 0.10	115%	50%	140%	76%	60%	130%	86%	50%	140%
Ethylene Dibromide	4719271	4719271	<0.10	<0.10	NA	< 0.10	99%	50%	140%	82%	60%	130%	113%	50%	140%
Tetrachloroethylene	4719271	4719271	<0.20	<0.20	NA	< 0.20	88%	50%	140%	92%	60%	130%	81%	50%	140%
1,1,1,2-Tetrachloroethane	4719271	4719271	<0.10	<0.10	NA	< 0.10	91%	50%	140%	88%	60%	130%	106%	50%	140%

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P991368
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Trace Organics Analysis (Continued)

RPT Date: Feb 17, 2023

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	Dup #2	RPD	Method Blank	REFERENCE MATERIAL Measured Value	Acceptable Limits Lower	Upper	METHOD BLANK SPIKE Recovery	Acceptable Limits Lower	Upper	MATRIX SPIKE Recovery	Acceptable Limits Lower	Upper
Chlorobenzene	4719271	4719271	7.36	6.86	7.0%	< 0.10	117%	50%	140%	94%	60%	130%	108%	50%	140%
Ethylbenzene	4719271	4719271	<0.10	<0.10	NA	< 0.10	105%	50%	140%	99%	60%	130%	102%	50%	140%
m & p-Xylene	4719271	4719271	<0.20	<0.20	NA	< 0.20	112%	50%	140%	112%	60%	130%	117%	50%	140%
Bromoform	4719271	4719271	<0.10	<0.10	NA	< 0.10	109%	50%	140%	95%	60%	130%	85%	50%	140%
Styrene	4719271	4719271	<0.10	<0.10	NA	< 0.10	108%	50%	140%	100%	60%	130%	115%	50%	140%
1,1,2,2-Tetrachloroethane	4719271	4719271	<0.10	<0.10	NA	< 0.10	96%	50%	140%	71%	60%	130%	84%	50%	140%
o-Xylene	4719271	4719271	<0.10	<0.10	NA	< 0.10	105%	50%	140%	114%	60%	130%	120%	50%	140%
1,3-Dichlorobenzene	4719271	4719271	<0.10	<0.10	NA	< 0.10	110%	50%	140%	104%	60%	130%	108%	50%	140%
1,4-Dichlorobenzene	4719271	4719271	<0.10	<0.10	NA	< 0.10	92%	50%	140%	79%	60%	130%	91%	50%	140%
1,2-Dichlorobenzene	4719271	4719271	<0.10	<0.10	NA	< 0.10	115%	50%	140%	90%	60%	130%	105%	50%	140%
n-Hexane	4719271	4719271	<0.20	<0.20	NA	< 0.20	88%	50%	140%	91%	60%	130%	78%	50%	140%
O. Reg. 153(511) - BNA (full) + PAHs (Water)															
Naphthalene	4468334		< 0.20	< 0.20	NA	< 0.20	89%	50%	140%	88%	50%	140%	115%	50%	140%
Acenaphthylene	4468334		< 0.20	< 0.20	NA	< 0.20	76%	50%	140%	94%	50%	140%	98%	50%	140%
Acenaphthene	4468334		< 0.20	< 0.20	NA	< 0.20	80%	50%	140%	80%	50%	140%	65%	50%	140%
Fluorene	4468334		< 0.20	< 0.20	NA	< 0.20	105%	50%	140%	105%	50%	140%	67%	50%	140%
Phenanthrene	4468334		< 0.10	< 0.10	NA	< 0.10	101%	50%	140%	83%	50%	140%	75%	50%	140%
Anthracene	4468334		< 0.10	< 0.10	NA	< 0.10	87%	50%	140%	101%	50%	140%	90%	50%	140%
Fluoranthene	4468334		< 0.20	< 0.20	NA	< 0.20	85%	50%	140%	85%	50%	140%	101%	50%	140%
Pyrene	4468334		< 0.20	< 0.20	NA	< 0.20	76%	50%	140%	93%	50%	140%	98%	50%	140%
Benzo(a)anthracene	4468334		< 0.20	< 0.20	NA	< 0.20	82%	50%	140%	95%	50%	140%	89%	50%	140%
Chrysene	4468334		< 0.10	< 0.10	NA	< 0.10	101%	50%	140%	98%	50%	140%	85%	50%	140%
Benzo(b)fluoranthene	4468334		< 0.10	< 0.10	NA	< 0.10	89%	50%	140%	89%	50%	140%	71%	50%	140%
Benzo(k)fluoranthene	4468334		< 0.10	< 0.10	NA	< 0.10	89%	50%	140%	88%	50%	140%	92%	50%	140%
Benzo(a)pyrene	4468334		< 0.01	< 0.01	NA	< 0.01	76%	50%	140%	64%	50%	140%	81%	50%	140%
Indeno(1,2,3-cd)pyrene	4468334		< 0.20	< 0.20	NA	< 0.20	101%	50%	140%	101%	50%	140%	78%	50%	140%
Dibenz(a,h)anthracene	4468334		< 0.20	< 0.20	NA	< 0.20	78%	50%	140%	98%	50%	140%	85%	50%	140%
Benzo(g,h,i)perylene	4468334		< 0.20	< 0.20	NA	< 0.20	88%	50%	140%	89%	50%	140%	99%	50%	140%
Phenol	4468334		< 1.0	< 1.0	NA	< 1.0	89%	30%	130%	108%	30%	130%	86%	30%	130%
Bis(2-chloroethyl)ether	4468334		< 0.5	< 0.5	NA	< 0.5	86%	50%	140%	97%	50%	140%	91%	50%	140%
2-Chlorophenol	4468334		< 0.5	< 0.5	NA	< 0.5	91%	50%	140%	68%	50%	140%	80%	50%	140%
o-Cresol	4468334		< 0.5	< 0.5	NA	< 0.5	80%	50%	140%	64%	50%	140%	102%	50%	140%
Bis(2-chloroisopropyl)ether	4468334		< 0.5	< 0.5	NA	< 0.5	102%	50%	140%	83%	50%	140%	67%	50%	140%
m&p-Cresol	4468334		< 0.6	< 0.6	NA	< 0.6	68%	50%	140%	105%	50%	140%	98%	50%	140%
2,4-Dimethylphenol	4468334		< 0.5	< 0.5	NA	< 0.5	94%	30%	130%	98%	30%	130%	106%	30%	130%
2,4-Dichlorophenol	4468334		< 0.3	< 0.3	NA	< 0.3	83%	50%	140%	76%	50%	140%	98%	50%	140%
1,2,4-Trichlorobenzene	4468334		< 0.5	< 0.5	NA	< 0.5	61%	50%	140%	112%	50%	140%	88%	50%	140%
p-Chloroaniline	4468334		< 1.0	< 1.0	NA	< 1.0	86%	30%	130%	91%	30%	130%	73%	30%	130%
2,4,6-Trichlorophenol	4468334		< 0.20	< 0.20	NA	< 0.20	88%	50%	140%	68%	50%	140%	89%	50%	140%

AGAT Laboratories

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P991368
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Trace Organics Analysis (Continued)

RPT Date: Feb 17, 2023

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	DUPLICATE Dup #2	DUPLICATE RPD	Method Blank	REFERENCE MATERIAL Measured Value	REFERENCE MATERIAL Acceptable Limits Lower	REFERENCE MATERIAL Acceptable Limits Upper	METHOD BLANK SPIKE Recovery	METHOD BLANK SPIKE Acceptable Limits Lower	METHOD BLANK SPIKE Acceptable Limits Upper	MATRIX SPIKE Recovery	MATRIX SPIKE Acceptable Limits Lower	MATRIX SPIKE Acceptable Limits Upper
2,4,5-Trichlorophenol	4468334		< 0.20	< 0.20	NA	< 0.20	91%	50%	140%	91%	50%	140%	76%	50%	140%
1,1'-Biphenyl	4468334		< 0.50	< 0.50	NA	< 0.50	80%	50%	140%	83%	50%	140%	88%	50%	140%
Dimethyl phthalate	4468334		< 0.50	< 0.50	NA	< 0.50	102%	50%	140%	64%	50%	140%	106%	50%	140%
Diethyl phthalate	4468334		< 0.50	< 0.50	NA	< 0.50	56%	50%	140%	64%	50%	140%	67%	50%	140%
Pentachlorophenol	4468334		< 0.50	< 0.50	NA	< 0.50	89%	50%	140%	89%	50%	140%	67%	50%	140%
3,3'-dichlorobenzidine	4468334		< 0.50	< 0.50	NA	< 0.50	88%	30%	130%	91%	30%	130%	73%	30%	130%
Bis(2-Ethylhexyl)phthalate	4468334		< 0.50	< 0.50	NA	< 0.50	89%	50%	140%	105%	50%	140%	71%	50%	140%
2,4-Dinitrophenol	4468334		< 10	< 10	NA	< 10	84%	30%	130%	67%	30%	130%	98%	30%	130%
O. Reg. 153(511) - BNA (full) + PAHs (Water)															
Naphthalene	4719333	4719333	< 0.20	< 0.20	NA	< 0.20	89%	50%	140%	88%	50%	140%	115%	50%	140%
Acenaphthylene	4719333	4719333	< 0.20	< 0.20	NA	< 0.20	76%	50%	140%	94%	50%	140%	98%	50%	140%
Acenaphthene	4719333	4719333	0.87	0.94	NA	< 0.20	80%	50%	140%	80%	50%	140%	65%	50%	140%
Fluorene	4719333	4719333	0.84	0.90	NA	< 0.20	105%	50%	140%	105%	50%	140%	67%	50%	140%
Phenanthrene	4719333	4719333	11.2	10.4	7.4%	< 0.10	101%	50%	140%	83%	50%	140%	75%	50%	140%
Anthracene	4719333	4719333	2.43	2.23	8.6%	< 0.10	87%	50%	140%	101%	50%	140%	90%	50%	140%
Fluoranthene	4719333	4719333	20.6	18.6	10.2%	< 0.20	85%	50%	140%	85%	50%	140%	101%	50%	140%
Pyrene	4719333	4719333	16.5	14.7	11.5%	< 0.20	76%	50%	140%	93%	50%	140%	98%	50%	140%
Benzo(a)anthracene	4719333	4719333	5.64	5.36	5.1%	< 0.20	82%	50%	140%	95%	50%	140%	89%	50%	140%
Chrysene	4719333	4719333	5.85	5.45	7.1%	< 0.10	101%	50%	140%	98%	50%	140%	85%	50%	140%
Benzo(b)fluoranthene	4719333	4719333	9.68	8.45	13.6%	< 0.10	89%	50%	140%	89%	50%	140%	71%	50%	140%
Benzo(k)fluoranthene	4719333	4719333	5.36	3.97	29.8%	< 0.10	89%	50%	140%	88%	50%	140%	92%	50%	140%
Benzo(a)pyrene	4719333	4719333	6.65	5.22	24.1%	< 0.01	76%	50%	140%	64%	50%	140%	81%	50%	140%
Indeno(1,2,3-cd)pyrene	4719333	4719333	2.89	3.73	25.4%	< 0.20	101%	50%	140%	101%	50%	140%	78%	50%	140%
Dibenz(a,h)anthracene	4719333	4719333	< 0.20	2.31	NA	< 0.20	78%	50%	140%	98%	50%	140%	85%	50%	140%
Benzo(g,h,i)perylene	4719333	4719333	4.34	5.36	21.0%	< 0.20	88%	50%	140%	89%	50%	140%	99%	50%	140%
Phenol	4719333	4719333	< 1.0	< 1.0	NA	< 1.0	89%	30%	130%	108%	30%	130%	86%	30%	130%
Bis(2-chloroethyl)ether	4719333	4719333	< 0.5	< 0.5	NA	< 0.5	86%	50%	140%	97%	50%	140%	91%	50%	140%
2-Chlorophenol	4719333	4719333	< 0.5	< 0.5	NA	< 0.5	91%	50%	140%	68%	50%	140%	80%	50%	140%
o-Cresol	4719333	4719333	< 0.5	< 0.5	NA	< 0.5	80%	50%	140%	64%	50%	140%	102%	50%	140%
Bis(2-chloroisopropyl)ether	4719333	4719333	< 0.5	< 0.5	NA	< 0.5	102%	50%	140%	83%	50%	140%	67%	50%	140%
m&p-Cresol	4719333	4719333	< 0.6	< 0.6	NA	< 0.6	68%	50%	140%	105%	50%	140%	98%	50%	140%
2,4-Dimethylphenol	4719333	4719333	< 0.5	< 0.5	NA	< 0.5	94%	30%	130%	98%	30%	130%	106%	30%	130%
2,4-Dichlorophenol	4719333	4719333	< 0.3	< 0.3	NA	< 0.3	83%	50%	140%	76%	50%	140%	98%	50%	140%
1,2,4-Trichlorobenzene	4719333	4719333	< 0.5	< 0.5	NA	< 0.5	61%	50%	140%	112%	50%	140%	88%	50%	140%
p-Chloroaniline	4719333	4719333	< 1.0	< 1.0	NA	< 1.0	86%	30%	130%	91%	30%	130%	73%	30%	130%
2,4,6-Trichlorophenol	4719333	4719333	< 0.20	< 0.20	NA	< 0.20	88%	50%	140%	68%	50%	140%	89%	50%	140%
2,4,5-Trichlorophenol	4719333	4719333	< 0.20	< 0.20	NA	< 0.20	91%	50%	140%	91%	50%	140%	76%	50%	140%
1,1'-Biphenyl	4719333	4719333	< 0.50	< 0.50	NA	< 0.50	80%	50%	140%	83%	50%	140%	88%	50%	140%
Dimethyl phthalate	4719333	4719333	< 0.50	< 0.50	NA	< 0.50	102%	50%	140%	64%	50%	140%	106%	50%	140%

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P991368

PROJECT: 220509
ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Trace Organics Analysis (Continued)

RPT Date: Feb 17, 2023

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	DUPLICATE Dup #2	DUPLICATE RPD	Method Blank	REFERENCE MATERIAL Measured Value	REFERENCE MATERIAL Acceptable Limits Lower	REFERENCE MATERIAL Acceptable Limits Upper	METHOD BLANK SPIKE Recovery	METHOD BLANK SPIKE Acceptable Limits Lower	METHOD BLANK SPIKE Acceptable Limits Upper	MATRIX SPIKE Recovery	MATRIX SPIKE Acceptable Limits Lower	MATRIX SPIKE Acceptable Limits Upper
Diethyl phthalate	4719333	4719333	< 0.50	< 0.50	NA	< 0.50	56%	50%	140%	64%	50%	140%	67%	50%	140%
Pentachlorophenol	4719333	4719333	< 0.50	< 0.50	NA	< 0.50	89%	50%	140%	89%	50%	140%	67%	50%	140%
3,3'-dichlorobenzidine	4719333	4719333	< 0.50	< 0.50	NA	< 0.50	88%	30%	130%	91%	30%	130%	73%	30%	130%
Bis(2-Ethylhexyl)phthalate	4719333	4719333	< 0.50	< 0.50	NA	< 0.50	89%	50%	140%	105%	50%	140%	71%	50%	140%
2,4-Dinitrophenol	4719333	4719333	< 10	< 10	NA	< 10	84%	30%	130%	67%	30%	130%	98%	30%	130%

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

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

Naphthalene	4723569		<0.20	<0.20	NA	< 0.20	96%	50%	140%	73%	50%	140%	73%	50%	140%
Acenaphthylene	4723569		<0.20	<0.20	NA	< 0.20	98%	50%	140%	90%	50%	140%	84%	50%	140%
Acenaphthene	4723569		<0.20	<0.20	NA	< 0.20	96%	50%	140%	73%	50%	140%	86%	50%	140%
Fluorene	4723569		<0.20	<0.20	NA	< 0.20	91%	50%	140%	72%	50%	140%	75%	50%	140%
Phenanthrene	4723569		<0.10	<0.10	NA	< 0.10	113%	50%	140%	91%	50%	140%	82%	50%	140%
Anthracene	4723569		<0.10	<0.10	NA	< 0.10	92%	50%	140%	94%	50%	140%	95%	50%	140%
Fluoranthene	4723569		<0.20	<0.20	NA	< 0.20	88%	50%	140%	77%	50%	140%	88%	50%	140%
Pyrene	4723569		<0.20	<0.20	NA	< 0.20	95%	50%	140%	82%	50%	140%	84%	50%	140%
Benzo(a)anthracene	4723569		<0.20	<0.20	NA	< 0.20	64%	50%	140%	100%	50%	140%	92%	50%	140%
Chrysene	4723569		<0.10	<0.10	NA	< 0.10	87%	50%	140%	94%	50%	140%	91%	50%	140%
Benzo(b)fluoranthene	4723569		<0.10	<0.10	NA	< 0.10	103%	50%	140%	89%	50%	140%	109%	50%	140%
Benzo(k)fluoranthene	4723569		<0.10	<0.10	NA	< 0.10	66%	50%	140%	104%	50%	140%	94%	50%	140%
Benzo(a)pyrene	4723569		<0.01	<0.01	NA	< 0.01	99%	50%	140%	89%	50%	140%	82%	50%	140%
Indeno(1,2,3-cd)pyrene	4723569		<0.20	<0.20	NA	< 0.20	66%	50%	140%	93%	50%	140%	75%	50%	140%
Dibenz(a,h)anthracene	4723569		<0.20	<0.20	NA	< 0.20	82%	50%	140%	95%	50%	140%	90%	50%	140%
Benzo(g,h,i)perylene	4723569		<0.20	<0.20	NA	< 0.20	80%	50%	140%	101%	50%	140%	82%	50%	140%

Comments: 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:

AGAT Laboratories

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P991368

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

Ultra Trace Analysis

RPT Date: Feb 17, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Dioxins and Furans (Waste Water) WHO 2005															
2,3,7,8-Tetra CDD	1	MR	974	944	3.1%	0.6	NA	70%	130%	97%	70%	130%	NA	70%	130%
1,2,3,7,8-Penta CDD	1	MR	4970	4890	1.6%	0.3	NA	70%	130%	99%	70%	130%	NA	70%	130%
1,2,3,4,7,8-Hexa CDD	1	MR	4860	4850	0.2%	< 0.1	NA	70%	130%	97%	70%	130%	NA	70%	130%
1,2,3,6,7,8-Hexa CDD	1	MR	4970	4890	1.6%	< 0.1	NA	70%	130%	99%	70%	130%	NA	70%	130%
1,2,3,7,8,9-Hexa CDD	1	MR	4900	4860	0.8%	< 0.1	NA	70%	130%	98%	70%	130%	NA	70%	130%
1,2,3,4,6,7,8-Hepta CDD	1	MR	4930	4870	1.2%	0.6	NA	70%	130%	99%	70%	130%	NA	70%	130%
Octa CDD	1	MR	9870	9710	1.6%	0.9	NA	70%	130%	99%	70%	130%	NA	70%	130%
2,3,7,8-Tetra CDF	1	MR	1010	1020	1.0%	< 0.1	NA	70%	130%	101%	70%	130%	NA	70%	130%
1,2,3,7,8-Penta CDF	1	MR	4950	5040	1.8%	0.6	NA	70%	130%	99%	40%	130%	NA	70%	130%
2,3,4,7,8-Penta CDF	1	MR	4990	4960	0.6%	0.3	NA	70%	130%	100%	70%	130%	NA	70%	130%
1,2,3,4,7,8-Hexa CDF	1	MR	4990	4990	0.0%	0.2	NA	70%	130%	100%	70%	130%	NA	70%	130%
1,2,3,6,7,8-Hexa CDF	1	MR	4980	4950	0.6%	0.2	NA	70%	130%	100%	70%	130%	NA	70%	130%
2,3,4,6,7,8-Hexa CDF	1	MR	4990	4960	0.6%	0.2	NA	70%	130%	100%	70%	130%	NA	70%	130%
1,2,3,7,8,9-Hexa CDF	1	MR	5030	5020	0.2%	0.4	NA	70%	130%	101%	70%	130%	NA	70%	130%
1,2,3,4,6,7,8-Hepta CDF	1	MR	4940	4890	1.0%	0.3	NA	70%	130%	99%	70%	130%	NA	70%	130%
1,2,3,4,7,8,9-Hepta CDF	1	MR	4930	4930	0.0%	0.3	NA	70%	130%	99%	70%	130%	NA	70%	130%
Octa CDF	1	MR	9520	9430	0.9%	0.4	NA	70%	130%	95%	70%	130%	NA	70%	130%
13C-2,3,7,8-TCDF	1	MR	46%	49%	6.3%	52	NA	30%	140%	46%	30%	140%	NA	30%	140%
13C-1,2,3,7,8-PeCDF	1	MR	63%	64%	1.6%	62	NA	30%	140%	63%	30%	140%	NA	30%	140%
13C-2,3,4,7,8-PeCDF	1	MR	66%	69%	4.4%	68	NA	30%	140%	66%	30%	140%	NA	30%	140%
13C-1,2,3,4,7,8-HxCDF	1	MR	71%	73%	2.8%	71	NA	30%	140%	71%	30%	140%	NA	30%	140%
13C-1,2,3,6,7,8-HxCDF	1	MR	71%	74%	4.1%	72	NA	30%	140%	71%	30%	140%	NA	30%	140%
13C-2,3,4,6,7,8-HxCDF	1	MR	75%	77%	2.6%	77	NA	30%	140%	75%	30%	140%	NA	30%	140%
13C-1,2,3,7,8,9-HxCDF	1	MR	75%	75%	0.0%	76	NA	30%	140%	75%	30%	140%	NA	30%	140%
13C-1,2,3,4,6,7,8-HpCDF	1	MR	71%	75%	5.5%	74	NA	30%	140%	71%	30%	140%	NA	30%	140%
13C-1,2,3,4,7,8,9-HpCDF	1	MR	77%	77%	0.0%	78	NA	30%	140%	77%	30%	140%	NA	30%	140%
13C-2,3,7,8-TCDD	1	MR	51%	53%	3.8%	54	NA	30%	140%	51%	30%	140%	NA	30%	140%
13C-1,2,3,7,8-PeCDD	1	MR	68%	69%	1.5%	67	NA	30%	140%	68%	30%	140%	NA	30%	140%
13C-1,2,3,4,7,8-HxCDD	1	MR	76%	78%	2.6%	77	NA	30%	140%	76%	30%	140%	NA	30%	140%
13C-1,2,3,6,7,8-HxCDD	1	MR	77%	78%	1.3%	77	NA	30%	140%	77%	30%	140%	NA	30%	140%
13C-1,2,3,4,6,7,8-HpCDD	1	MR	77%	79%	2.6%	80	NA	30%	140%	77%	30%	140%	NA	30%	140%
13C-OCDD	1	MR	72%	64%	11.8%	75	NA	30%	140%	72%	30%	140%	NA	30%	140%

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

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P991368
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

Ultra Trace Analysis (Continued)

RPT Date: Feb 17, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

Comments: NA : Non applicable.

If the RPD value is NA, the results of the duplicates are under 5X the RDL and will not be calculated.

NA as the percentage of recovery for the matrix spike indicates that the result is not provided due to the heterogeneity of the sample or the spiked analyte concentration was lower than the matrix contribution.

NA in the spike blank or CRM indicates that it is not required by the procedure.

Presence of a small contamination in the method blank. The method blank has been subtracted from the samples.

Certified By:

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5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
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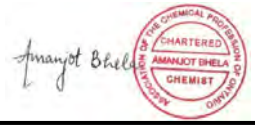
Water Analysis

RPT Date: Feb 17, 2023

PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Water)															
Dissolved Antimony	4719248	4719248	<1.0	<1.0	NA	< 1.0	96%	70%	130%	94%	80%	120%	92%	70%	130%
Dissolved Arsenic	4719248	4719248	1.9	2.0	NA	< 1.0	98%	70%	130%	101%	80%	120%	104%	70%	130%
Dissolved Barium	4719248	4719248	62.2	61.3	1.5%	< 2.0	100%	70%	130%	100%	80%	120%	97%	70%	130%
Dissolved Beryllium	4719248	4719248	<0.50	<0.50	NA	< 0.50	109%	70%	130%	113%	80%	120%	110%	70%	130%
Dissolved Boron	4719248	4719248	218	219	0.5%	< 10.0	108%	70%	130%	111%	80%	120%	102%	70%	130%
Dissolved Cadmium	4719248	4719248	<0.20	<0.20	NA	< 0.20	100%	70%	130%	100%	80%	120%	86%	70%	130%
Dissolved Chromium	4719248	4719248	5.3	5.0	NA	< 2.0	101%	70%	130%	99%	80%	120%	100%	70%	130%
Dissolved Cobalt	4719248	4719248	0.73	0.59	NA	< 0.50	92%	70%	130%	102%	80%	120%	98%	70%	130%
Dissolved Copper	4719248	4719248	1.8	1.9	NA	< 1.0	100%	70%	130%	99%	80%	120%	98%	70%	130%
Dissolved Lead	4719248	4719248	0.60	0.66	NA	< 0.50	93%	70%	130%	91%	80%	120%	89%	70%	130%
Dissolved Molybdenum	4719248	4719248	46.5	45.1	3.1%	< 0.50	103%	70%	130%	103%	80%	120%	105%	70%	130%
Dissolved Nickel	4719248	4719248	2.9	2.5	NA	< 1.0	91%	70%	130%	99%	80%	120%	97%	70%	130%
Dissolved Selenium	4719248	4719248	1.6	2.2	NA	< 1.0	102%	70%	130%	105%	80%	120%	107%	70%	130%
Dissolved Silver	4719248	4719248	<0.20	<0.20	NA	< 0.20	93%	70%	130%	98%	80%	120%	94%	70%	130%
Dissolved Thallium	4719248	4719248	<0.30	<0.30	NA	< 0.30	96%	70%	130%	94%	80%	120%	91%	70%	130%
Dissolved Uranium	4719248	4719248	1.13	1.11	NA	< 0.50	91%	70%	130%	95%	80%	120%	95%	70%	130%
Dissolved Vanadium	4719248	4719248	0.82	0.97	NA	< 0.40	94%	70%	130%	102%	80%	120%	103%	70%	130%
Dissolved Zinc	4719248	4719248	<5.0	<5.0	NA	< 5.0	97%	70%	130%	102%	80%	120%	101%	70%	130%
Mercury	4722042		<0.02	<0.02	NA	< 0.02	101%	70%	130%	104%	80%	120%	99%	70%	130%
Chromium VI	4713492		<2.000	<2.000	NA	< 2	104%	70%	130%	98%	80%	120%	96%	70%	130%
Cyanide, WAD	4719248	4719248	<2	<2	NA	< 2	108%	70%	130%	102%	80%	120%	111%	70%	130%
Dissolved Sodium	4719248	4719248	123000	119000	3.3%	< 50	100%	70%	130%	103%	80%	120%	101%	70%	130%
Chloride	4715752		10800	10200	5.7%	< 100	90%	70%	130%	94%	80%	120%	98%	70%	130%
Electrical Conductivity	4719248	4719248	1200	1200	0.0%	< 2	94%	90%	110%	NA			NA		
pH	4719248	4719248	7.66	7.79	1.7%	NA	99%	90%	110%	NA			NA		

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

Certified By:



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

Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P991368

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluorene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenanthrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(b)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(k)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dibenz(a,h)anthracene	ORG-91-5114	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroethyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Chlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
o-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroisopropyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
m&p-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dimethylphenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,2,4-Trichlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
p-Chloroaniline	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-and 1-methyl Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
2,4,6-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,5-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,1'-Biphenyl	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dimethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4 and 2,6-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	CALCULATION
Diethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pentachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
3,3'-dichlorobenzidine	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-Ethylhexyl)phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Fluorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
phenol-d6 surrogate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Tribromophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene-d12	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Sediment			N/A
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

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PROJECT: 220509
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SAMPLING SITE:Bakelite Belleville
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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Indeno(1,2,3-cd)pyrene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Dibenz(a,h)anthracene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
2-and 1-methyl Naphthalene	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Naphthalene-d8	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Acridine-d9	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
Terphenyl-d14	ORG-91-5105	modified from EPA 3510C and EPA 8270E	GC/MS
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-C10)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91- 5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Benzene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
Toluene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
Ethylbenzene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
m & p-Xylene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
o-Xylene	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
Xylenes (Total)	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
F1 (C6-C10)	VOL-91- 5010	modified from MOE PHC-E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	modified from MOE PHC-E3421	P&T GC/FID
Toluene-d8	VOL-91-5010	modified from MOE PHC-E3421	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F2 (C10 to C16) minus Naphthalene	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F3 (C16 to C34) minus PAHs	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
F4 (C34 to C50)	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	modified from MOE PHC-E3421	BALANCE
Terphenyl	VOL-91-5010	modified from MOE PHC-E3421	GC/FID
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Vinyl Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromomethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

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

Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P991368
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

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

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1,1,2,2-Tetrachloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,3-Dichloropropene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
n-Hexane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Toluene-d8	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ultra Trace Analysis			
2,3,7,8-Tetra CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8-Penta CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,7,8-Hexa CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,6,7,8-Hexa CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8,9-Hexa CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,6,7,8-Hepta CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Octa CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,7,8-Tetra CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8-Penta CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,4,7,8-Penta CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,7,8-Hexa CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,6,7,8-Hexa CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,4,6,7,8-Hexa CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8,9-Hexa CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,6,7,8-Hepta CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,7,8,9-Hepta CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Octa CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Tetra CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Penta CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Hexa CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Hepta CDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total PCDDs	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Tetra CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Penta CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Hexa CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total Hepta CDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total PCDFs	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,7,8-Tetra CDD (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8-Penta CDD (TEQ	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,7,8-Hexa CDD (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,6,7,8-Hexa CDD (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8,9-Hexa CDD (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,6,7,8-Hepta CDD (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Octa CDD (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,7,8-Tetra CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8-Penta CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,4,7,8-Penta CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,7,8-Hexa CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,6,7,8-Hexa CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,7,8,9-Hexa CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
2,3,4,6,7,8-Hexa CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,6,7,8-Hepta CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
1,2,3,4,7,8,9-Hepta CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Octa CDF (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
Total PCDDs and PCDFs (TEQ)	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-2,3,7,8-TCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,7,8-PeCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-2,3,4,7,8-PeCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,4,7,8-HxCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23P991368

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite Belleville

SAMPLED BY:ML

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
13C-1,2,3,6,7,8-HxCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-2,3,4,6,7,8-HxCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,7,8,9-HxCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,4,6,7,8-HpCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,4,7,8,9-HpCDF	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-2,3,7,8-TCDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,7,8-PeCDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,4,7,8-HxCDD	HR_151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,6,7,8-HxCDD	HR_151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-1,2,3,4,6,7,8-HpCDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC
13C-OCDD	HR-151-5400	CEAEQ MA.400 - DF 1.0	APGC

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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
AGAT WORK ORDER: 23P991368
PROJECT: 220509
ATTENTION TO: Paul Bandler
SAMPLING SITE:Bakelite Belleville
SAMPLED BY:ML

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Dissolved Antimony	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Arsenic	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Barium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Beryllium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Boron	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cadmium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Chromium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Cobalt	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Copper	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Lead	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Molybdenum	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Nickel	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Selenium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Silver	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Thallium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Uranium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Vanadium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Dissolved Zinc	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP-MS
Mercury	MET-93-6100	modified from EPA 245.2 and SM 3112 B	CVAAS
Chromium VI	INOR-93-6073	modified from SM 3500-CR B	LACHAT FIA
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015, SM 4500-CN- I, G-387	TECHNICON AUTO ANALYZER
Dissolved Sodium	MET-93-6103	modified from EPA 200.8 and EPA 3005A	ICP/MS
Chloride	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Electrical Conductivity	INOR-93-6000	SM 2510 B	PC TITRATE
pH	INOR-93-6000	modified from SM 4500-H+ B	PC TITRATE

AGAT Laboratories

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: BluMetric Environmental Inc.
Contact: Paul Bandler
Address: 4 Cataraqui Street Kingston ON
Phone: 613 453 5496 Fax:
Reports to be sent to:
1. Email: pbandler@blumetric.ca
2. Email: mlloyd@blumetric.ca

Project Information:

Project: 220509
Site Location: Bakelite Belleville
Sampled By: ML
AGAT Quote #: 747248 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: ap@blumetric.ca

Regulatory Requirements:

(Please check all applicable boxes)

☑ Regulation 153/04
Table 7 (Indicate One)
☐ Ind/Com
☑ Res/Park
☐ Agriculture
Soil Texture (Check One)
☐ Coarse
☐ Fine

☐ Excess Soils R406
Table (Indicate One)
☐ Regulation 558
☐ CCME

☐ Sewer Use ☐ Sanitary ☐ Storm
(Region)
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
(Indicate One)

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

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

Laboratory Use Only

Work Order #: 23P991368
Cooler Quantity: 6
Arrival Temperatures: 7.6 | 6.8 | 7.2
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: ice

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day
OR Date Required (Rush Surcharges May Apply):
Please provide prior notification for rush TAT
**TAT is exclusive of weekends and statutory holidays*
For 'Same Day' analysis, please contact your AGAT CPM

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: PAHs	O. Reg 153: PCBs	O. Reg 153: VOC	O. Reg 153: Aroclors	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Excess Soils SPLP Rainwater Leach ☐ VOCs ☐ SVOCs	O. Reg 406: Excess Soils Characterization Package SPLP: ☐ Metals	pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: Include Moisture ☐ Sulphide ☐	ABNs, CPs	Na, Cl	Dioxins, Furans					Potentially Hazardous or High Concentration (Y/N)
MW214	23-01-24	8:20 AM PM	11	GW					✓	✓		✓						✓							
MW216		9:00 AM PM	2	GW							✓														
MW223		10:15 AM PM	11	GW					✓	✓		✓						✓							
MW222		11:15 AM PM	16	GW		Y	✓		✓	✓		✓						✓							
MW221		12:30 AM PM	11	GW					✓	✓		✓						✓							
MW217		14:05 AM PM	18	GW		Y	✓		✓	✓	✓	✓						✓							
MW218		16:30 AM PM	16	GW		Y	✓		✓	✓		✓						✓							
Trip Blank	↓	— AM PM	18	GW		Y	✓		✓	✓	✓	✓						✓							
MW219	23-01-25	9:20 AM PM	16	GW		Y	✓		✓	✓		✓						✓		✓					
MW220		11:55 AM PM	13	GW		Y	✓		✓	✓		✓						✓							
MW224	↓	10:20 AM PM	15	GW		Y	✓		✓	✓	✓	⊗							✓						

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
M Lloyd	23-01-25	13:00	Karly Jones	Jan 25/23	1330
	Jan 25/23	1600	M. GERSIC	Jan 26/23	8:50

Page 1 of 1
N°: T - 138817

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

AGAT Laboratories

Sample Temperature Log

Client: Blumetric

COC# or Work Order #: _____

# of Coolers: 6

# of Submissions: _____

	Arrival Temperatures - Branch/Driver	Arrival Temperatures - Laboratory
Cooler #1:	_____ / _____ / _____	3.4 / 3.6 / 3.9
Cooler #2:	_____ / _____ / _____	4.1 / 3.9 / 4.2
Cooler #3:	_____ / _____ / _____	5.4 / 2.4 / 4.6
Cooler #4:	_____ / _____ / _____	2.6 / 1.8 / 2.4
Cooler #5:	_____ / _____ / _____	3.4 / 3.3 / 4.1
Cooler #6:	_____ / _____ / _____	5.6 / 4.3 / 4.4
Cooler #7:	_____ / _____ / _____	_____ / _____ / _____
Cooler #8	_____ / _____ / _____	_____ / _____ / _____
Cooler #9:	_____ / _____ / _____	_____ / _____ / _____
Cooler #10:	_____ / _____ / _____	_____ / _____ / _____

IR Gun ID: _____

Taken By: _____

Date (yyyy/mm/dd): _____ Time: ____:____ AM / PM

IR Gun ID: _____

Taken By: _____

Date (yyyy/mm/dd): _____ Time: ____:____ AM / PM

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

AGAT Laboratories

11 Morris Drive, Unit 122
Dartmouth, Nova Scotia
CANADA B3B 1M2
TEL (902)468-8718
FAX (902)468-8924
http://www.agatlabs.com

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.
4 Cataraqui Street
Kingston, ON K7K1Z7
(613) 531-2725
ATTENTION TO: Paul Bandler
PROJECT: 220509
AGAT WORK ORDER: 23T000256
SOIL ANALYSIS REVIEWED BY: Ashley Dussault, Report Writer
DATE REPORTED: Mar 24, 2023
PAGES (INCLUDING COVER): 4
VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (902) 468-8718

*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

11 Morris Drive, Unit 122
Dartmouth, Nova Scotia
CANADA B3B 1M2
TEL (902)468-8718
FAX (902)468-8924
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 23T000256

PROJECT: 220509

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite, Belleville

SAMPLED BY:

Methylmercury in Soil

DATE RECEIVED: 2023-02-23

DATE REPORTED: 2023-03-24

				SAMPLE DESCRIPTION:	BH210 SS2	BH208 SS1	BH208 SS2	BH209 SS1	BH209 SS2	BH232 SS1	BH232 SS2
				SAMPLE TYPE:	Soil	Soil	Soil	Soil	Soil	Soil	Soil
				DATE SAMPLED:	2022-12-19 10:55	2022-12-19 12:45	2022-12-19 12:59	2022-12-19 15:15	2022-12-19 15:30	2022-12-22 08:30	2022-12-22 08:35
Parameter	Unit	G / S	RDL		4801164	4801165	4801166	4801167	4801168	4801199	4801200
Methyl Mercury	ng/g		0.4		<0.4	<0.4	<0.4	0.8	3.3	8.2	2.0

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

4801164-4801200 Analysis completed outside holding time.

Analysis performed at AGAT Halifax (unless marked by *)

Certified By: Ashley Dussault

AGAT Laboratories

11 Morris Drive, Unit 122
Dartmouth, Nova Scotia
CANADA B3B 1M2
TEL (902)468-8718
FAX (902)468-8924
http://www.agatlabs.com

Quality Assurance

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23T000256

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite, Belleville

SAMPLED BY:

Soil Analysis

RPT Date: Mar 24, 2023			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Methylmercury in Soil															
Methyl Mercury	1164		< 0.4	< 0.4	NA	< 0.4	91%	65%	135%	110%	65%	135%	77%	65%	135%

Certified By:

11 Morris Drive, Unit 122
Dartmouth, Nova Scotia
CANADA B3B 1M2
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Method Summary

CLIENT NAME: BLUMETRIC ENVIRONMENTAL INC.

AGAT WORK ORDER: 23T000256

PROJECT: 220509

ATTENTION TO: Paul Bandler

SAMPLING SITE:Bakelite, Belleville

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Methyl Mercury	MET-121-6116 & MET-121-6117	EPA 1630	CV/AFS

APPENDIX D

Summary of Analytical Results

Table 1 - Osprey Shores Analytical Chemistry Results: ABNs, CPs, PAHs in Soil				Sample ID	BH/MW 22-SS2	BH/MW 23-SS1	BH/MW 24-SS2	24-SS2.1 (BH/MW	BH/MW 25-SS1	BH/MW 26-SS1	BH/MW 50-SS7	BH/MW 78-SS2	BH/MW 79-SS1	BH/MW 79-SS2	BH/MW 80-SS1	BH/MW 81-SS1	31-SS1.1 (BH/MW	SS2.1 (BH/MW	BH/MW 84-SS4	BH/MW 121-SS4	BH/MW 130-SS3
				Sample Date	2011-Jun-23	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jul-05	2011-Jul-08	2011-Jul-08	2011-Jul-11	2011-Jul-11	2011-Jul-11	2011-Jul-11	2011-Jul-18	2011-Jul-13	2011-Jul-22	2011-Jul-25
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.6 - 0.9	0.0 - 0.6	0.6 - 1.2	0.6 - 1.2	0.0 - 0.6	0.0 - 0.6	3.7 - 4.3	0.6 - 0.9	0.3 - 1.1	1.1 - 1.4	0.6 - 1.2	0.0 - 0.9	0.0 - 0.9	0.0 - 0.9	1.8 - 2.2	1.9 - 2.5	1.2 - 1.8
Acids, Bases, Neutrals				**Detection Limit**																	
Biphenyl, 1,1-	ug/g	<5	1.1	0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05
Bis(2-chloro-1-methylethyl)eth	ug/g	<10	1.8	0.1, 0.2	<0.2	<4	<0.2	<0.2	<1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Bis(2-chloroethyl)ether	ug/g	10.2	0.5	0.1, 0.3	<0.3	<6	<0.3	<0.3	<2	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Bis(2-ethylhexyl)phthalate	ug/g	12.3	5	0.2, 0.4	<0.4	<8	<0.4	<0.4	<2	<0.4	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	-	<0.1	<0.1	<0.1
Chloroaniline, p-	ug/g	<10	0.53	0.1, 0.5	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1
Dichlorobenzidine, 3,3-	ug/g	<10	1	0.5, 0.6	<0.6	<10	<0.6	<0.6	<3	<0.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Diethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.2	<4	<0.2	<0.2	<1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Dimethylphenol, 2,4-	ug/g	12	420	0.1, 0.2	<0.2	<4	<0.2	<0.2	<1	<0.2	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Dimethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.2	<4	<0.2	<0.2	<1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Dinitrophenol, 2,4-	ug/g	<10	38	0.2, 2	<0.2	<4	<0.2	<0.2	<1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Dinitrotoluene, 2,4+2,6-	ug/g	<24	0.92	0.2, 0.5	<1.2	<24	<1.2	<1.2	<6	<1.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenol	ug/g	88.3	9.4	0.1, 0.5	<0.1	<2	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	1.3	1.5	0.4	<0.1	0.3	-	<0.1	<0.1	<0.1
Trichlorobenzene, 1,2,4-	ug/g	<10	1.4	0.04, 0.05	<0.2	<4	<0.2	<0.2	<1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Chlorophenols																					
Chlorophenol, 2-	ug/g	<10	2	0.1, 0.2	<0.1	<2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Dichlorophenol, 2,4-	ug/g	<10	2.1	0.1	<0.1	<2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Pentachlorophenol	ug/g	<10	0.1	0.1, 0.2	<0.1	<2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,5-	ug/g	<10	5.5	0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,6-	ug/g	<10	4.2	0.1, 0.2	<0.1	<2	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	ug/g	31	58	0.05	<0.07	<1	<0.07	<0.07	0.9	<0.07	<0.05	<0.05	0.7	0.2	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05
Acenaphthylene	ug/g	<5	0.17	0.05	<0.08	<2	<0.08	<0.08	<0.4	<0.08	<0.05	<0.05	0.3	0.1	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05
Anthracene	ug/g	69	0.74	0.05	<0.1	<2	<0.1	<0.1	2.9	<0.1	<0.05	<0.05	1.5	0.8	0.3	<0.05	<0.05	-	<0.05	<0.05	<0.05
Benzo[a]anthracene	ug/g	128	0.63	0.05	<0.1	<2	<0.1	0.1	6.3	<0.1	<0.05	0.08	<0.05	1.6	0.1	<0.05	<0.05	-	<0.05	<0.05	<0.05
Benzo[a]pyrene	ug/g	135	0.3	0.05	<0.1	<2	<0.1	0.1	5.9	<0.1	<0.05	<0.05	3.2	1.2	0.08	<0.05	<0.05	-	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	ug/g	118	0.78	0.05	<0.1	<2	<0.1	<0.1	4.6	<0.1	<0.05	<0.05	7.5	1.6	0.09	<0.05	<0.05	-	<0.05	<0.05	<0.05
Benzo[g,h,i]perylene	ug/g	83	7.8	0.05	<0.1	<2	<0.1	<0.1	3.6	<0.1	<0.05	<0.05	2.7	0.6	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	ug/g	111	0.78	0.05	<0.1	<2	<0.1	<0.1	3.6	<0.1	<0.05	<0.05	2.8	0.9	0.06	<0.05	<0.05	-	<0.05	<0.05	<0.05
Chrysene	ug/g	126	7.8	0.05	<0.1	<2	<0.1	0.2	5.9	<0.1	<0.05	0.08	<0.05	1.7	0.1	<0.05	<0.05	-	<0.05	<0.05	<0.05
Dibenzo[a,h]anthracene	ug/g	40	0.1	0.05	<0.1	<2	<0.1	<0.1	2.1	<0.1	<0.1	<0.1	1	0.2	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1
Fluoranthene	ug/g	230	0.69	0.05	<0.1	<2	<0.1	0.2	16.6	<0.1	<0.05	0.07	4.3	3.5	0.09	<0.05	<0.05	-	<0.05	<0.05	<0.05
Fluorene	ug/g	30	69	0.05	<0.1	<2	<0.1	<0.1	1	<0.1	<0.05	<0.05	0.7	0.2	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05
Indeno[1,2,3-cd]pyrene	ug/g	80	0.48	0.05	<0.1	<2	<0.1	<0.1	3.8	<0.1	<0.05	<0.05	0.4	0.5	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05
Methylnaphthalene, 1+2-	ug/g	18	3.4	0.05	-	-	-	-	-	-	<0.1	<0.1	0.7	0.28	0.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylnaphthalene, 1-	ug/g	9	3.4	0.05	-	-	-	-	-	-	<0.05	<0.05	0.3	0.08	0.3	<0.05	<0.05	-	<0.05	<0.05	<0.05
Methylnaphthalene, 2-	ug/g	9	3.4	0.05	-	-	-	-	-	-	<0.05	<0.05	0.4	0.2	0.3	<0.05	<0.05	-	<0.05	<0.05	<0.05
Naphthalene	ug/g	32.8	0.75	0.05	<0.09	<2	0.18	0.2	0.5	<0.09	<0.05	<0.05	0.5	0.2	0.2	<0.05	<0.05	-	<0.05	<0.05	<0.05
Phenanthrene	ug/g	172	7.8	0.05	<0.1	<2	0.2	0.3	9.2	<0.1	<0.05	0.08	3.2	4.7	0.2	<0.05	<0.05	-	<0.05	<0.05	<0.05
Pyrene	ug/g	203	78	0.05	<0.1	<2	<0.1	0.2	13.4	<0.1	<0.05	<0.05	4	1.8	0.07	<0.05	<0.05	-	<0.05	<0.05	<0.05

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 1 - Osprey Shores Analytical Chemistry Results: ABNs, CPs, PAHs in Soil				Sample ID	30-SS3.1 (BH/MW	BH/MW 146-SS4	BH/MW 148-SS3	BH/MW 149-SS2	49-SS2.1 (BH/MW	BH/MW 151-SS3	BH/MW 152-SS4	BH16-SS2	BH16-SS3	BH17-SS3	BH49-SS2	BH51-SS6	BH52-SS2	BH52-SS3	BH53-SS1	BH53-SS2	BH59-SS2
				Sample Date	2011-Jul-25	2011-Jul-28	2011-Jul-28	2011-Jul-28	2011-Jul-28	2011-Jul-29	2011-Jul-29	2011-Jun-22	2011-Jun-22	2011-Jun-22	2011-Jul-05	2011-Jul-05	2011-Jul-05	2011-Jul-05	2011-Jul-05	2011-Jul-05	2011-Jul-07
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	1.2 - 1.8	1.9 - 2.5	1.2 - 1.8	0.9 - 1.5	0.9 - 1.5	1.2 - 1.5	1.8 - 2.2	0.6 - 1.2	1.2 - 1.6	1.2 - 1.9	0.6 - 1.2	3.2 - 3.8	0.6 - 1.2	1.2 - 1.5	0.0 - 0.6	0.6 - 1.3	0.9 - 1.3
Acids, Bases, Neutrals				**Detection Limit**																	
Biphenyl, 1,1-	ug/g	<5	1.1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	<0.05	<0.05	-	<1	-	<2.5	<0.05
Bis(2-chloro-1-methylethyl)eth	ug/g	<10	1.8	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	-	<2	-	<5	<0.1
Bis(2-chloroethyl)ether	ug/g	10.2	0.5	0.1, 0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.3	<0.3	<0.1	<0.1	-	<2	-	<5	<0.1
Bis(2-ethylhexyl)phthalate	ug/g	12.3	5	0.2, 0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.4	<0.4	<0.4	<0.1	<0.1	-	<2	-	<5	<0.1
Chloroaniline, p-	ug/g	<10	0.53	0.1, 0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	<2	-	<5	<0.1
Dichlorobenzidine, 3,3-	ug/g	<10	1	0.5, 0.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.6	<0.6	<0.6	<0.1	<0.1	-	<2	-	<5	<0.1
Diethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	-	<2	-	<5	<0.1
Dimethylphenol, 2,4-	ug/g	12	420	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	-	<2	-	<5	<0.1
Dimethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	-	<2	-	<5	<0.1
Dinitrophenol, 2,4-	ug/g	<10	38	0.2, 2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	-	<2	-	<5	<0.1
Dinitrotoluene, 2,4+2,6-	ug/g	<24	0.92	0.2, 0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.2	<1.2	<1.2	-	-	-	-	-	-	-
Phenol	ug/g	88.3	9.4	0.1, 0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	88.3	-	<5	<0.1
Trichlorobenzene, 1,2,4-	ug/g	<10	1.4	0.04, 0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	-	<2	-	<5	<0.1
Chlorophenols																					
Chlorophenol, 2-	ug/g	<10	2	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<2	-	<5	<0.1
Dichlorophenol, 2,4-	ug/g	<10	2.1	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	-	<2	-	<5	<0.1
Pentachlorophenol	ug/g	<10	0.1	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<2	-	<5	<0.1
Trichlorophenol, 2,4,5-	ug/g	<10	5.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	-	<2	-	<5	<0.1
Trichlorophenol, 2,4,6-	ug/g	<10	4.2	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<2	-	<5	<0.1
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	ug/g	31	58	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.07	<0.07	<0.07	<0.05	<0.05	<0.07	1.3	0.21	<2.5	<0.05
Acenaphthylene	ug/g	<5	0.17	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.08	<0.08	<0.08	<0.05	<0.05	<0.08	<1	<0.08	<2.5	<0.05
Anthracene	ug/g	69	0.74	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	0.1	<0.1	0.1	<0.05	<0.1	3.8	0.3	<2.5	<0.05
Benzo[a]anthracene	ug/g	128	0.63	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.6	0.3	<0.1	0.08	<0.05	<0.1	7.4	<0.1	5.3	<0.05
Benzo[a]pyrene	ug/g	135	0.3	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.4	0.3	<0.1	0.09	<0.05	0.1	6.1	<0.1	4.5	<0.05
Benzo[b]fluoranthene	ug/g	118	0.78	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	0.2	<0.1	0.08	<0.05	<0.1	8.9	<0.1	6.8	<0.05
Benzo[g,h,i]perylene	ug/g	83	7.8	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	0.2	<0.1	0.05	<0.05	<0.1	5.3	<0.1	<0.05	<0.05
Benzo[k]fluoranthene	ug/g	111	0.78	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	0.2	<0.1	<0.05	<0.05	0.1	4.6	<0.1	4.7	<0.05
Chrysene	ug/g	126	7.8	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.3	<0.1	0.1	<0.05	<0.1	6.9	<0.1	5.6	<0.05
Dibenzo[a,h]anthracene	ug/g	40	0.1	0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1
Fluoranthene	ug/g	230	0.69	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.1	0.6	<0.1	0.1	<0.05	0.2	21.8	1	12.8	<0.05
Fluorene	ug/g	30	69	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.05	<0.1	1.4	0.1	<2.5	<0.05
Indeno[1,2,3-cd]pyrene	ug/g	80	0.48	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	0.2	<0.1	<0.05	<0.05	<0.1	4.1	<0.1	3.7	<0.05
Methylnaphthalene, 1+2-	ug/g	18	3.4	0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	<0.1	0.2	<2	<0.2	<5	<0.1
Methylnaphthalene, 1-	ug/g	9	3.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	<0.05	<0.05	<0.1	<1	<0.1	<2.5	<0.05
Methylnaphthalene, 2-	ug/g	9	3.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	<0.05	<0.05	0.1	<1	<0.1	<2.5	<0.05
Naphthalene	ug/g	32.8	0.75	0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	<0.09	<0.09	<0.09	<0.05	<0.05	1.53	4.6	<0.09	<2.5	<0.05
Phenanthrene	ug/g	172	7.8	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.7	0.2	<0.1	0.1	<0.05	0.2	16.9	1.9	8.9	<0.05
Pyrene	ug/g	203	78	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.9	0.5	<0.1	0.1	<0.05	<0.1	16.4	0.8	10.6	<0.05

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 1 - Osprey Shores Analytical Chemistry Results: ABNs, CPs, PAHs in Soil				Sample ID	BH71-SS1	BH72-SS1	BH73-SS1	BH74-SS1	BH75-SS1	BH76-SS2	BH77-SS4	BH85-SS3	BH86-SS5	BH87-SS3	87-SS3.1 (BH87-S	BH88-SS2	BH88-SS3	BH89-SS1	BH89-SS2	BH90-SS1	BH91-SS2
				Sample Date	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-14
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.0 - 0.4	0.0 - 0.3	0.0 - 0.3	0.0 - 0.2	0.0 - 0.3	0.6 - 0.9	2.0 - 2.6	1.2 - 1.9	2.5 - 3.0	1.2 - 1.9	1.2 - 1.9	0.6 - 0.8	1.1 - 1.6	0.4 - 1.0	1.0 - 1.5	0.0 - 0.6	0.6 - 1.2
Acids, Bases, Neutrals				**Detection Limit**																	
Biphenyl, 1,1-	ug/g	<5	1.1	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	<0.05	<0.05
Bis(2-chloro-1-methylethyl)eth	ug/g	<10	1.8	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<2	<0.1	<0.1
Bis(2-chloroethyl)ether	ug/g	10.2	0.5	0.1, 0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<1	<0.1	<0.1
Bis(2-ethylhexyl)phthalate	ug/g	12.3	5	0.2, 0.4	<0.1	0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<2	<0.1	<0.1
Chloroaniline, p-	ug/g	<10	0.53	0.1, 0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Dichlorobenzidine, 3,3-	ug/g	<10	1	0.5, 0.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<2	<0.1	<0.1
Diethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<2	<0.1	<0.1
Dimethylphenol, 2,4-	ug/g	12	420	0.1, 0.2	0.2	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<2	<0.1	<0.1
Dimethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<2	<0.1	<0.1
Dinitrophenol, 2,4-	ug/g	<10	38	0.2, 2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<2	<0.1	<0.1
Dinitrotoluene, 2,4+2,6-	ug/g	<24	0.92	0.2, 0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	-	<4	<0.2	<0.2
Phenol	ug/g	88.3	9.4	0.1, 0.5	<0.1	<0.1	0.3	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<2	<0.1	<0.1
Trichlorobenzene, 1,2,4-	ug/g	<10	1.4	0.04, 0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<2	<0.1	<0.1
Chlorophenols																					
Chlorophenol, 2-	ug/g	<10	2	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<2	<0.1	<0.1
Dichlorophenol, 2,4-	ug/g	<10	2.1	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	-	<2	<0.1	<0.1
Pentachlorophenol	ug/g	<10	0.1	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<2	<0.1	<0.1
Trichlorophenol, 2,4,5-	ug/g	<10	5.5	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	-	<2	<0.1	<0.1
Trichlorophenol, 2,4,6-	ug/g	<10	4.2	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<2	<0.1	<0.1
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	ug/g	31	58	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	0.1	9	2	<0.05	<0.05
Acenaphthylene	ug/g	<5	0.17	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.08	<0.05	<4	<1	<0.05	0.05
Anthracene	ug/g	69	0.74	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.4	1.6	28	4.9	<0.05	0.08
Benzo[a]anthracene	ug/g	128	0.63	0.05	0.09	<0.05	0.2	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.9	0.5	66	10.3	<0.05	0.3
Benzo[a]pyrene	ug/g	135	0.3	0.05	0.07	<0.05	0.2	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.9	0.4	72	7	<0.05	0.2
Benzo[b]fluoranthene	ug/g	118	0.78	0.05	0.09	<0.05	0.3	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.7	0.5	47	9.5	<0.05	0.3
Benzo[g,h,i]perylene	ug/g	83	7.8	0.05	<0.05	<0.05	0.09	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.6	0.2	43	5.4	<0.05	0.2
Benzo[k]fluoranthene	ug/g	111	0.78	0.05	<0.05	<0.05	0.2	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.7	0.3	47	6.8	<0.05	0.2
Chrysene	ug/g	126	7.8	0.05	0.1	<0.05	0.3	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5	65	9	<0.05	0.3
Dibenzo[a,h]anthracene	ug/g	40	0.1	0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	26	<2	<0.1	<0.1
Fluoranthene	ug/g	230	0.69	0.05	0.1	<0.05	0.2	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.2	1.1	153	10	<0.05	0.3
Fluorene	ug/g	30	69	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	0.1	8	1.8	<0.05	<0.05
Indeno[1,2,3-cd]pyrene	ug/g	80	0.48	0.05	<0.05	<0.05	0.1	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.6	0.2	39	5.1	<0.05	0.2
Methylnaphthalene, 1+2-	ug/g	18	3.4	0.05	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.2	0.7	<10	<2	<0.1	0.16
Methylnaphthalene, 1-	ug/g	9	3.4	0.05	<0.05	<0.05	0.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.9	0.3	<5	<1	<0.05	0.06
Methylnaphthalene, 2-	ug/g	9	3.4	0.05	<0.05	<0.05	0.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.3	0.4	<5	1	<0.05	0.1
Naphthalene	ug/g	32.8	0.75	0.05	0.07	<0.05	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.53	0.3	<4	<1	<0.05	0.08
Phenanthrene	ug/g	172	7.8	0.05	0.2	<0.05	0.3	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.7	1.6	94	23.3	<0.05	0.2
Pyrene	ug/g	203	78	0.05	0.1	<0.05	0.1	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.8	0.8	131	6.5	<0.05	0.2

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 1 - Osprey Shores Analytical Chemistry Results: ABNs, CPs, PAHs in Soil				Sample ID	BH92-SS1	BH92-SS2	BH93-SS2	BH94-SS2	BH95-SS1	BH96-SS1	BH97-SS1	BH98-SS1	BH100-SS1	BH101-SS3	BH101-SS4	BH102-SS2	BH103-SS2	BH104-SS2	04-SS2.1 (BH104	BH105-SS2	BH106-SS2
				Sample Date	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-15	2011-Jul-15	2011-Jul-15	2011-Jul-15	2011-Jul-15	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.0 - 0.6	0.6 - 1.1	0.6 - 1.1	0.6 - 1.3	0.0 - 0.6	0.0 - 0.6	0.0 - 0.6	0.0 - 0.6	0.0 - 0.6	1.5 - 2.2	2.2 - 2.3	0.9 - 1.5	0.9 - 1.1	0.8 - 1.4	0.8 - 1.4	0.8 - 1.4	0.9 - 1.4
Acids, Bases, Neutrals				**Detection Limit**																	
Biphenyl, 1,1-	ug/g	<5	1.1	0.05	<0.05	-	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Bis(2-chloro-1-methylethyl)eth	ug/g	<10	1.8	0.1, 0.2	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroethyl)ether	ug/g	10.2	0.5	0.1, 0.3	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Bis(2-ethylhexyl)phthalate	ug/g	12.3	5	0.2, 0.4	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Chloroaniline, p-	ug/g	<10	0.53	0.1, 0.5	-	-	-	-	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Dichlorobenzidine, 3,3-	ug/g	<10	1	0.5, 0.6	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Diethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Dimethylphenol, 2,4-	ug/g	12	420	0.1, 0.2	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	0.1	<2	<0.1	<0.1	12	<0.1	<0.1	<0.1	<0.1
Dimethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Dinitrophenol, 2,4-	ug/g	<10	38	0.2, 2	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Dinitrotoluene, 2,4+2,6-	ug/g	<24	0.92	0.2, 0.5	<0.2	-	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<4	<0.2	<0.2	<4	<0.2	-	<0.2	<0.2
Phenol	ug/g	88.3	9.4	0.1, 0.5	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	0.2	1.1	<2	<0.1	<0.1	<2	0.1	<0.1	<0.1	<0.1
Trichlorobenzene, 1,2,4-	ug/g	<10	1.4	0.04, 0.05	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Chlorophenols																					
Chlorophenol, 2-	ug/g	<10	2	0.1, 0.2	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Dichlorophenol, 2,4-	ug/g	<10	2.1	0.1	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	ug/g	<10	0.1	0.1, 0.2	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,5-	ug/g	<10	5.5	0.1	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,6-	ug/g	<10	4.2	0.1, 0.2	<0.1	-	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	ug/g	31	58	0.05	<0.05	0.08	0.06	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	ug/g	<5	0.17	0.05	<0.05	<0.08	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Anthracene	ug/g	69	0.74	0.05	0.5	<0.1	<0.05	<0.05	0.05	<0.05	0.05	<0.05	0.06	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Benzo[a]anthracene	ug/g	128	0.63	0.05	0.1	0.1	<0.05	<0.05	0.05	<0.05	0.07	<0.05	0.2	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Benzo[a]pyrene	ug/g	135	0.3	0.05	<0.05	0.2	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	0.2	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	ug/g	118	0.78	0.05	<0.05	0.1	<0.05	<0.05	0.05	<0.05	0.06	<0.05	0.2	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Benzo[g,h,i]perylene	ug/g	83	7.8	0.05	<0.05	0.1	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	0.08	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	ug/g	111	0.78	0.05	<0.05	0.1	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	0.1	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Chrysene	ug/g	126	7.8	0.05	0.1	0.2	<0.05	<0.05	0.05	<0.05	0.08	<0.05	0.2	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Dibenzo[a,h]anthracene	ug/g	40	0.1	0.05	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1
Fluoranthene	ug/g	230	0.69	0.05	0.2	0.3	0.08	<0.05	0.05	<0.05	0.2	<0.05	0.4	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Fluorene	ug/g	30	69	0.05	<0.05	<0.1	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Indeno[1,2,3-cd]pyrene	ug/g	80	0.48	0.05	<0.05	0.1	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	0.07	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 1+2-	ug/g	18	3.4	0.05	2.1	2.1	<0.1	<0.1	0.1	0.4	0.4	<0.1	0.13	11.4	<0.1	<0.1	<2	<0.1	-	<0.1	<0.1
Methylnaphthalene, 1-	ug/g	9	3.4	0.05	1.1	1.1	<0.05	<0.05	0.05	0.2	0.2	<0.05	0.05	5.1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 2-	ug/g	9	3.4	0.05	1	1	<0.05	<0.05	0.05	0.2	0.2	<0.05	0.08	6.3	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Naphthalene	ug/g	32.8	0.75	0.05	0.4	0.32	<0.05	<0.05	0.05	0.1	0.2	0.09	0.06	3.8	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Phenanthrene	ug/g	172	7.8	0.05	0.5	94	0.07	<0.05	0.05	0.1	0.3	<0.05	0.3	2.4	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05
Pyrene	ug/g	203	78	0.05	0.2	131	0.06	<0.05	0.05	<0.05	0.1	<0.05	0.3	<1	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 1 - Osprey Shores Analytical Chemistry Results: ABNs, CPs, PAHs in Soil				Sample ID	BH107-SS1	BH108-SS2	BH109-SS1	BH111-SS1	BH112-SS1	BH113-SS1	BH114-SS2	BH116-SS1	16-SS1.1 (BH116	BH117-SS1	BH118-SS2	BH119-SS4	BH120-SS3	BH122-SS2	22-SS2.1 (BH122	BH123-SS2	BH124-SS3
				Sample Date	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-19	2011-Jul-19	2011-Jul-20	2011-Jul-20	2011-Jul-20	2011-Jul-20	2011-Jul-20	2011-Jul-21	2011-Jul-21	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.0 - 0.6	0.6 - 1.2	0.0 - 0.6	0.0 - 0.6	0.0 - 0.6	0.0 - 0.6	0.6 - 1.1	0.0 - 0.8	0.0 - 0.8	0.0 - 0.6	0.6 - 1.1	1.8 - 2.5	1.3 - 1.9	1.3 - 1.9	1.3 - 1.9	0.6 - 1.3	1.2 - 1.9
Acids, Bases, Neutrals				Detection Limit																	
Biphenyl, 1,1-	ug/g	<5	1.1	0.05	<0.05	<1	<2.5	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-chloro-1-methylethyl)eth	ug/g	<10	1.8	0.1, 0.2	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroethyl)ether	ug/g	10.2	0.5	0.1, 0.3	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-ethylhexyl)phthalate	ug/g	12.3	5	0.2, 0.4	<0.1	<2	<5	0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroaniline, p-	ug/g	<10	0.53	0.1, 0.5	<0.1	-	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorobenzidine, 3,3-	ug/g	<10	1	0.5, 0.6	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethylphenol, 2,4-	ug/g	12	420	0.1, 0.2	<0.1	<2	<5	0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dinitrophenol, 2,4-	ug/g	<10	38	0.2, 2	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dinitrotoluene, 2,4+2,6-	ug/g	<24	0.92	0.2, 0.5	<0.2	<4	<10	<0.2	<0.2	<4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenol	ug/g	88.3	9.4	0.1, 0.5	<0.1	<2	<5	0.6	0.5	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorobenzene, 1,2,4-	ug/g	<10	1.4	0.04, 0.05	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorophenols																					
Chlorophenol, 2-	ug/g	<10	2	0.1, 0.2	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorophenol, 2,4-	ug/g	<10	2.1	0.1	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	ug/g	<10	0.1	0.1, 0.2	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,5-	ug/g	<10	5.5	0.1	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,6-	ug/g	<10	4.2	0.1, 0.2	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	ug/g	31	58	0.05	<0.05	<1	2.9	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	ug/g	<5	0.17	0.05	<0.05	<1	<2.5	<0.05	<0.05	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	ug/g	69	0.74	0.05	<0.05	<1	8.6	0.1	0.06	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[a]anthracene	ug/g	128	0.63	0.05	<0.05	<1	19.3	0.3	0.1	<1	<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	ug/g	135	0.3	0.05	<0.05	<1	16.2	0.3	0.1	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	ug/g	118	0.78	0.05	<0.05	<1	16.8	0.4	0.2	<1	<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	ug/g	83	7.8	0.05	<0.05	<1	8.7	0.1	0.06	<1	<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	ug/g	111	0.78	0.05	<0.05	<1	10	0.3	0.07	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	ug/g	126	7.8	0.05	<0.05	<1	18.7	0.4	0.2	<1	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenzo[a,h]anthracene	ug/g	40	0.1	0.05	<0.1	<2	<5	<0.1	<0.1	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	ug/g	230	0.69	0.05	<0.05	1.8	45.2	0.8	0.3	<1	<0.05	0.06	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	ug/g	30	69	0.05	<0.05	<1	2.9	<0.05	<0.05	<1	<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	ug/g	80	0.48	0.05	<0.05	<1	7.5	0.1	0.05	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 1+2-	ug/g	18	3.4	0.05	<0.1	<2	<5	0.6	0.9	5.3	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylnaphthalene, 1-	ug/g	9	3.4	0.05	<0.05	<1	<2.5	0.3	0.4	2.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 2-	ug/g	9	3.4	0.05	<0.05	<1	<2.5	0.3	0.5	2.7	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene	ug/g	32.8	0.75	0.05	<0.05	<1	<2.5	0.2	0.4	1.6	<0.05	0.1	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	ug/g	172	7.8	0.05	<0.05	1.4	34.7	0.6	0.4	1.6	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	ug/g	203	78	0.05	<0.05	1.5	38.4	0.7	0.3	<1	<0.05	0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 1 - Osprey Shores Analytical Chemistry Results: ABNs, CPs, PAHs in Soil				Sample ID	BH125-SS5	BH126-SS3	BH127-SS3	BH128-SS1	BH128R SS2	BH129-SS3	BH131-SS2	BH133-SS2	BH133-SS4	BH134-SS1	BH134-SS2	BH140-SS2	BH140-SS5	BH141-SS2	1-SS2.1 (BH141	BH142-SS3	BH143-SS3
				Sample Date	2011-Jul-22	2011-Jul-25	2011-Jul-25	2011-Jul-25	2022-Dec-22	2011-Jul-25	2011-Jul-26	2011-Jul-26	2011-Jul-26	2011-Jul-26	2011-Jul-26	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	2.5 - 3.0	1.2 - 1.9	1.3 - 1.9	0.0 - 0.6	1.5 - 3.0	1.2 - 1.9	0.6 - 1.2	0.6 - 1.2	1.9 - 2.1	0.0 - 0.6	0.6 - 1.2	0.6 - 1.2	2.5 - 2.7	0.6 - 1.2	0.6 - 1.2	1.2 - 1.9	1.2 - 1.8
Acids, Bases, Neutrals				**Detection Limit**																	
Biphenyl, 1,1-	ug/g	<5	1.1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-chloro-1-methylethyl)eth	ug/g	<10	1.8	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroethyl)ether	ug/g	10.2	0.5	0.1, 0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<10	10.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-ethylhexyl)phthalate	ug/g	12.3	5	0.2, 0.4	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.5	<0.1	12.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroaniline, p-	ug/g	<10	0.53	0.1, 0.5	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorobenzidine, 3,3-	ug/g	<10	1	0.5, 0.6	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethylphenol, 2,4-	ug/g	12	420	0.1, 0.2	<0.1	0.1	<0.1	<0.1	<0.2	<0.1	<0.1	4.4	0.3	11.8	2.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dinitrophenol, 2,4-	ug/g	<10	38	0.2, 2	<0.1	<0.1	<0.1	<0.1	<2	<0.1	<0.1	<0.5	0.2	<10	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dinitrotoluene, 2,4+2,6-	ug/g	<24	0.92	0.2, 0.5	<0.2	<0.2	<0.2	<0.2	<0.5	<0.2	<0.2	<0.2	<0.2	<20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenol	ug/g	88.3	9.4	0.1, 0.5	<0.1	0.5	0.1	0.1	<0.5	<0.1	<0.1	39	6.7	65.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorobenzene, 1,2,4-	ug/g	<10	1.4	0.04, 0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.5	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorophenols																					
Chlorophenol, 2-	ug/g	<10	2	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorophenol, 2,4-	ug/g	<10	2.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	ug/g	<10	0.1	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,5-	ug/g	<10	5.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,6-	ug/g	<10	4.2	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	ug/g	31	58	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<5	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	ug/g	<5	0.17	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	ug/g	69	0.74	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.9	<0.05	<5	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[a]anthracene	ug/g	128	0.63	0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	1.6	<0.05	<5	0.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[a]pyrene	ug/g	135	0.3	0.05	<0.05	0.05	<0.05	0.05	<0.05	<0.05	<0.05	1.2	<0.05	<5	0.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	ug/g	118	0.78	0.05	<0.05	0.09	<0.05	0.06	<0.05	<0.05	<0.05	1	<0.05	<5	1.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[g,h,i]perylene	ug/g	83	7.8	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.6	<0.05	<5	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	ug/g	111	0.78	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.8	<0.05	<5	1.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	ug/g	126	7.8	0.05	<0.05	0.1	<0.05	0.08	<0.05	<0.05	<0.05	1.5	<0.05	<5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenzo[a,h]anthracene	ug/g	40	0.1	0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.5	<0.1	<10	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	ug/g	230	0.69	0.05	<0.05	0.1	<0.05	0.2	<0.05	<0.05	<0.05	4.2	<0.05	<5	0.7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	ug/g	30	69	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<5	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno[1,2,3-cd]pyrene	ug/g	80	0.48	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.9	<0.05	<5	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 1+2-	ug/g	18	3.4	0.05	<0.1	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	0.5	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylnaphthalene, 1-	ug/g	9	3.4	0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.2	<0.05	<5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 2-	ug/g	9	3.4	0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	0.3	<0.05	<5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene	ug/g	32.8	0.75	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.7	<0.05	<5	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	ug/g	172	7.8	0.05	<0.05	0.06	<0.05	0.1	<0.05	<0.05	<0.05	3.1	<0.05	<5	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	ug/g	203	78	0.05	<0.05	0.1	<0.05	0.1	<0.05	<0.05	<0.05	3.4	<0.05	<5	0.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 1 - Osprey Shores Analytical Chemistry Results: ABNs, CPs, PAHs in Soil				Sample ID	BH144-SS2	BH144-SS3	BH145-SS3	BH145-SS4	BH147-SS3	BH150-SS3	BH155-SS3	BH201 SS3	BH202 SS2	SS2-Dup (BH20	BH202 SS4	BH203 SS3	BH204 SS1	BH205 SS1	BH207 SS1	BH208 SS2	BH209 SS1
				Sample Date	2011-Jul-27	2011-Jul-27	2011-Jul-28	2011-Jul-28	2011-Jul-28	2011-Jul-28	2001-Aug-02	2022-Dec-23	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-19	2022-Dec-19
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.6 - 1.2**	**1.2 - 1.8**	**1.2 - 1.9**	**1.9 - 2.2**	**1.4 - 1.9**	**1.2 - 1.8**	**1.2 - 1.7**	**1.5 - 2.1**	**0.8 - 1.4**	**0.8 - 1.4**	**2.3 - 2.9**	**1.5 - 2.1**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**	**0.8 - 1.4**	**0.0 - 0.6**
Acids, Bases, Neutrals				**Detection Limit**																	
Biphenyl, 1,1-	ug/g	<5	1.1	0.05	<0.05	<2.5	<1	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.98	<0.05	<0.05
Bis(2-chloro-1-methylethyl)eth	ug/g	<10	1.8	0.1, 0.2	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroethyl)ether	ug/g	10.2	0.5	0.1, 0.3	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-ethylhexyl)phthalate	ug/g	12.3	5	0.2, 0.4	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroaniline, p-	ug/g	<10	0.53	0.1, 0.5	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzidine, 3,3-	ug/g	<10	1	0.5, 0.6	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethylphenol, 2,4-	ug/g	12	420	0.1, 0.2	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dimethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dinitrophenol, 2,4-	ug/g	<10	38	0.2, 2	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dinitrotoluene, 2,4+2,6-	ug/g	<24	0.92	0.2, 0.5	<0.2	<10	<4	<0.2	<0.2	<0.2	<0.2	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phenol	ug/g	88.3	9.4	0.1, 0.5	0.9	<5	3	<0.1	0.6	<0.1	<0.1	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorobenzene, 1,2,4-	ug/g	<10	1.4	0.04, 0.05	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorophenols																					
Chlorophenol, 2-	ug/g	<10	2	0.1, 0.2	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorophenol, 2,4-	ug/g	<10	2.1	0.1	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	ug/g	<10	0.1	0.1, 0.2	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,5-	ug/g	<10	5.5	0.1	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,6-	ug/g	<10	4.2	0.1, 0.2	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	ug/g	31	58	0.05	<0.05	<2.5	<1	<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	ug/g	<5	0.17	0.05	<0.05	<2.5	<1	<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
Anthracene	ug/g	69	0.74	0.05	<0.05	<2.5	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.22	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[a]anthracene	ug/g	128	0.63	0.05	0.09	<2.5	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[a]pyrene	ug/g	135	0.3	0.05	<0.05	<2.5	<1	<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[b]fluoranthene	ug/g	118	0.78	0.05	0.2	<2.5	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	<0.05
Benzo[g,h,i]perylene	ug/g	83	7.8	0.05	<0.05	<2.5	<1	<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	ug/g	111	0.78	0.05	0.2	<2.5	<1	<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
Chrysene	ug/g	126	7.8	0.05	<0.05	<2.5	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.19	<0.05	<0.05	<0.05	0.06	<0.05
Dibenzo[a,h]anthracene	ug/g	40	0.1	0.05	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	ug/g	230	0.69	0.05	<0.05	<2.5	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.64	<0.05	<0.05	0.09	0.1	<0.05
Fluorene	ug/g	30	69	0.05	<0.05	<2.5	<1	<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
Indeno[1,2,3-cd]pyrene	ug/g	80	0.48	0.05	<0.05	<2.5	<1	<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
Methylnaphthalene, 1+2-	ug/g	18	3.4	0.05	<0.1	<5	<2	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.28
Methylnaphthalene, 1-	ug/g	9	3.4	0.05	<0.05	<2.5	<1	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	ug/g	9	3.4	0.05	<0.05	<2.5	<1	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/g	32.8	0.75	0.05	0.6	32.8	8.7	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	0.45	<0.05	<0.05	<0.05	0.08	<0.05	0.41
Phenanthrene	ug/g	172	7.8	0.05	<0.05	<2.5	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.19	<0.05	<0.05	0.08	0.08	0.32
Pyrene	ug/g	203	78	0.05	<0.05	<2.5	<1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.44	<0.05	<0.05	0.08	0.08	<0.05

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 1 - Osprey Shores Analytical Chemistry Results: ABNs, CPs, PAHs in Soil				Sample ID	BH209 SS2	BH210 SS2	BH211 SS1	BH211 SS3	BH212 SS1	BH212 SS4	BH213 SS2	SS2-Dup (BH21	BH214 SS2	BH214 SS3	BH215 SS1	BH216 SS1	BH217 SS1	BH218 SS1	BH219 SS2	BH220 SS1	SS1-DUP (BH22
				Sample Date	2022-Dec-19	2022-Dec-19	2022-Dec-15	2022-Dec-15	2022-Dec-15	2022-Dec-15	2022-Dec-19	2022-Dec-19	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-15	2022-Dec-22	2022-Dec-22
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.8 - 1.4	0.8 - 1.4	0.0 - 0.6	1.5 - 2.1	0.0 - 0.6	2.3 - 2.9	0.8 - 1.4	0.8 - 1.4	0.8 - 1.4	1.5 - 2.1	0.0 - 0.6	0.0 - 0.6	0.0 - 1.4	0.0 - 1.5	0.8 - 1.4	0.0 - 1.2	0.0 - 1.2
Acids, Bases, Neutrals				**Detection Limit**																	
Biphenyl, 1,1-	ug/g	<5	1.1	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	0.15	0.09
Bis(2-chloro-1-methylethyl)eth	ug/g	<10	1.8	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroethyl)ether	ug/g	10.2	0.5	0.1, 0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-ethylhexyl)phthalate	ug/g	12.3	5	0.2, 0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroaniline, p-	ug/g	<10	0.53	0.1, 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	<0.5	<0.5	<0.5
Dichlorobenzidine, 3,3-	ug/g	<10	1	0.5, 0.6	<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	<0.5	<0.5
Diethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethylphenol, 2,4-	ug/g	12	420	0.1, 0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2
Dimethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1
Dinitrophenol, 2,4-	ug/g	<10	38	0.2, 2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	-	<2	<2	<2	<2	<2
Dinitrotoluene, 2,4+2,6-	ug/g	<24	0.92	0.2, 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	<0.5	<0.5	<0.5
Phenol	ug/g	88.3	9.4	0.1, 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	<0.5	<0.5	<0.5
Trichlorobenzene, 1,2,4-	ug/g	<10	1.4	0.04, 0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorophenols																					
Chlorophenol, 2-	ug/g	<10	2	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorophenol, 2,4-	ug/g	<10	2.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	ug/g	<10	0.1	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,5-	ug/g	<10	5.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,6-	ug/g	<10	4.2	0.1, 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	ug/g	31	58	0.05	<0.05	0.48	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.31	<0.05	2.23	<0.05	<0.05	<0.05	2.18	1.53
Acenaphthylene	ug/g	<5	0.17	0.05	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.36	<0.05	<0.05	<0.05	0.11	0.09
Anthracene	ug/g	69	0.74	0.05	<0.05	1	0.31	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.06	<0.05	5.84	<0.05	0.21	<0.05	7.19	4.29
Benzo[a]anthracene	ug/g	128	0.63	0.05	<0.05	1.38	1.04	<0.05	<0.05	<0.05	0.07	0.06	<0.05	1.74	<0.05	12.9	<0.05	0.2	<0.05	4.32	3.01
Benzo[a]pyrene	ug/g	135	0.3	0.05	<0.05	1.39	1.2	<0.05	<0.05	<0.05	0.11	0.09	<0.05	1.57	<0.05	10.3	<0.05	<0.05	<0.05	1.9	1.57
Benzo[b]fluoranthene	ug/g	118	0.78	0.05	<0.05	2.04	2	<0.05	<0.05	<0.05	0.18	0.16	<0.05	2.48	<0.05	11.9	<0.05	0.2	<0.05	7.59	5.92
Benzo[g,h,i]perylene	ug/g	83	7.8	0.05	<0.05	0.46	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.54	<0.05	7.14	<0.05	<0.05	<0.05	4.95	3.58
Benzo[k]fluoranthene	ug/g	111	0.78	0.05	<0.05	1.13	1.1	<0.05	<0.05	<0.05	0.1	0.11	<0.05	1.32	<0.05	5.08	<0.05	0.08	<0.05	3.12	2.28
Chrysene	ug/g	126	7.8	0.05	<0.05	1.42	0.95	<0.05	<0.05	<0.05	0.1	0.08	<0.05	1.74	0.06	10.9	<0.05	0.2	<0.05	4.35	5.18
Dibenzo[a,h]anthracene	ug/g	40	0.1	0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.13	<0.05	1.29	<0.05	<0.05	<0.05	0.58	0.48
Fluoranthene	ug/g	230	0.69	0.05	<0.05	3.73	2.29	<0.05	<0.05	<0.05	0.18	0.16	<0.05	4.32	0.11	41.2	0.09	0.7	<0.05	29.6	22.8
Fluorene	ug/g	30	69	0.05	<0.05	0.51	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.57	<0.05	2.88	<0.05	<0.05	<0.05	2.42	1.99
Indeno[1,2,3-cd]pyrene	ug/g	80	0.48	0.05	<0.05	0.51	0.55	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.59	<0.05	6.14	<0.05	<0.05	<0.05	3.58	3.27
Methylnaphthalene, 1+2-	ug/g	18	3.4	0.05	7.33	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.07	<0.05	<0.05	<0.05	0.49	0.34
Methylnaphthalene, 1-	ug/g	9	3.4	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	ug/g	9	3.4	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ug/g	32.8	0.75	0.05	1.84	0.32	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.11	<0.05	0.82	<0.05	<0.05	<0.05	0.36	0.27
Phenanthrene	ug/g	172	7.8	0.05	<0.05	3.84	0.92	<0.05	<0.05	<0.05	0.11	0.08	<0.05	4.06	0.07	29.1	<0.05	0.37	<0.05	21.5	18
Pyrene	ug/g	203	78	0.05	<0.05	2.98	1.98	<0.05	<0.05	<0.05	0.17	0.16	<0.05	3.54	0.1	36.8	0.09	0.56	<0.05	23.4	21.7

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 1 - Osprey Shores Analytical Chemistry Results: ABNs, CPs, PAHs in Soil				Sample ID	BH221 SS1	BH222 SS1	BH223 SS1	SS1-DUP (BH22	BH224 SS2	BH228 SS1	TP8-3	TP9-2	TP10-2	AQCF12-1 (TP10-	TP10-3	TP11-2	TP12-1	TP13-1	TP14-1	TP14-2	TP15-1
				Sample Date	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-15	2022-Dec-22	2012-Nov-27	2012-Nov-27	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.0 - 1.5	0.0 - 1.2	0.0 - 0.6	0.0 - 0.6	0.8 - 1.4	0.0 - 0.6	1.5 - 2.8	0.4 - 2.8	1.3 - 1.5	1.3 - 1.5	1.5 - 2.5	1.4 - 1.9	0.0 - 0.5	0.0 - 1.0	0.0 - 1.1	1.1 - 2.3	0.0 - 2.5
Acids, Bases, Neutrals				**Detection Limit**																	
Biphenyl, 1,1-	ug/g	<5	1.1	0.05	<0.05	-	0.62	0.55	-	<0.05	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloro-1-methylethyl)eth	ug/g	<10	1.8	0.1, 0.2	<0.1	-	<0.1	<0.1	-	<0.1	-	-	<0.2	<0.2	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	ug/g	10.2	0.5	0.1, 0.3	<0.1	-	<0.1	<0.1	-	<0.1	-	-	<0.3	<0.3	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	ug/g	12.3	5	0.2, 0.4	<0.2	-	<0.2	<0.2	-	<0.2	-	-	<0.4	<0.4	-	-	-	-	-	-	-
Chloroaniline, p-	ug/g	<10	0.53	0.1, 0.5	<0.5	-	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzidine, 3,3-	ug/g	<10	1	0.5, 0.6	<0.5	-	<0.5	<0.5	-	<0.5	-	-	<0.6	<0.6	-	-	-	-	-	-	-
Diethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	-	<0.1	<0.1	-	<0.1	-	-	<0.2	<0.2	-	-	-	-	-	-	-
Dimethylphenol, 2,4-	ug/g	12	420	0.1, 0.2	<0.2	-	<0.2	<0.2	-	<0.2	-	-	<0.2	<0.2	-	-	-	-	-	-	-
Dimethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	-	<0.1	<0.1	-	<0.1	-	-	<0.2	<0.2	-	-	-	-	-	-	-
Dinitrophenol, 2,4-	ug/g	<10	38	0.2, 2	<2	-	<2	<2	-	<2	-	-	<0.2	<0.2	-	-	-	-	-	-	-
Dinitrotoluene, 2,4+2,6-	ug/g	<24	0.92	0.2, 0.5	<0.5	-	<0.5	<0.5	-	<0.5	-	-	<0.22	-	-	-	-	-	-	-	-
Phenol	ug/g	88.3	9.4	0.1, 0.5	<0.5	-	<0.5	<0.5	-	<0.5	-	-	<0.1	<0.1	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	ug/g	<10	1.4	0.04, 0.05	<0.05	-	<0.05	<0.05	-	<0.05	-	-	<0.04	<0.04	-	-	-	-	-	-	-
Chlorophenols																					
Chlorophenol, 2-	ug/g	<10	2	0.1, 0.2	<0.1	-	<0.1	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	-	-
Dichlorophenol, 2,4-	ug/g	<10	2.1	0.1	<0.1	-	<0.1	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	-	-
Pentachlorophenol	ug/g	<10	0.1	0.1, 0.2	<0.1	-	<0.1	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	-	-
Trichlorophenol, 2,4,5-	ug/g	<10	5.5	0.1	<0.1	-	<0.1	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-
Trichlorophenol, 2,4,6-	ug/g	<10	4.2	0.1, 0.2	<0.1	-	<0.1	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	ug/g	31	58	0.05	<0.05	<0.05	9.51	9.97	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.8	19	5.4	1.2	3.4
Acenaphthylene	ug/g	<5	0.17	0.05	<0.05	<0.05	0.48	0.53	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	4.4	0.6	<0.5	<0.5
Anthracene	ug/g	69	0.74	0.05	0.11	<0.05	22.3	21.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	8.7	45.7	12.4	4.4	8.6
Benzo[a]anthracene	ug/g	128	0.63	0.05	0.22	<0.05	36	24	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	26.4	91.1	38.5	10.9	20
Benzo[a]pyrene	ug/g	135	0.3	0.05	<0.05	<0.05	27.8	22.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	25.1	74.6	41.7	10.7	19.7
Benzo[b]fluoranthene	ug/g	118	0.78	0.05	0.28	<0.05	54.6	35.9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	24.2	67.2	34.3	9.6	16.3
Benzo[g,h,i]perylene	ug/g	83	7.8	0.05	<0.05	<0.05	10.4	11.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	12	37.2	27.4	7.8	12.3
Benzo[k]fluoranthene	ug/g	111	0.78	0.05	0.06	<0.05	20.2	20.9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	19.3	63.4	31.6	8.5	13.6
Chrysene	ug/g	126	7.8	0.05	0.4	<0.05	38	27.9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	26.3	87.2	39.7	10.8	20.2
Dibenzo[a,h]anthracene	ug/g	40	0.1	0.05	<0.05	<0.05	1.72	2.41	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	4.8	11.7	8.4	3.4	5.3
Fluoranthene	ug/g	230	0.69	0.05	0.84	0.11	105	90.7	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	53.2	197	81.2	27	36.2
Fluorene	ug/g	30	69	0.05	<0.05	<0.05	13	9.53	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.7	26	5.2	1.5	3.3
Indeno[1,2,3-cd]pyrene	ug/g	80	0.48	0.05	<0.05	<0.05	10.9	11.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	11.4	40.1	24.5	7.2	11.6
Methylnaphthalene, 1+2-	ug/g	18	3.4	0.05	<0.05	<0.05	4.07	3.11	<0.05	<0.05	<0.1	<0.1	<0.1	-	<0.1	<0.1	1.5	8.3	2.8	<0.1	0.11
Methylnaphthalene, 1-	ug/g	9	3.4	0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.7	3.3	1.4	<0.5	0.5
Methylnaphthalene, 2-	ug/g	9	3.4	0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.8	5	1.4	<0.5	0.6
Naphthalene	ug/g	32.8	0.75	0.05	<0.05	<0.05	5.23	5.26	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1	19.5	2.5	1.1	1
Phenanthrene	ug/g	172	7.8	0.05	0.34	<0.05	95.5	66.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	39.3	167	55	19.2	25.7
Pyrene	ug/g	203	78	0.05	0.85	0.09	94.7	73.3	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	45.6	165	69.5	22.2	32.2

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 1 - Osprey Shores Analytical Chemistry Results: ABNs, CPs, PAHs in Soil				Sample ID	TP16-2	TP16-3	TP17-1	TP18-1	TP18-2	TP19-1	TP19-2	TP21-2	TP22-1	TP23-1	TP30-1	TP30-2	TP225a	TP227a	TP229b	TP230b	TP231b
				Sample Date	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-29	2012-Nov-29	2022-Dec-13	2022-Dec-14	2022-Dec-14	2022-Dec-14	2022-Dec-13
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.5 - 1.1	1.1 - 2.1	0.0 - 1.1	0.0 - 0.7	0.7 - 1.2	0.0 - 0.5	0.5 - 0.9	0.8 - 1.1	0.0 - 1.0	0.0 - 1.8	0.8 - 1.3	1.3 - 2.0	0.1 - 1.0	0.0 - 0.9	1.0 - 2.0	1.1 - 2.2	1.2 - 2.2
Acids, Bases, Neutrals				**Detection Limit**																	
Biphenyl, 1,1-	ug/g	<5	1.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05
Bis(2-chloro-1-methylethyl)eth	ug/g	<10	1.8	0.1, 0.2	-	-	-	-	-	-	-	-	0.3	<0.2	-	-	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroethyl)ether	ug/g	10.2	0.5	0.1, 0.3	-	-	-	-	-	-	-	-	0.5	<0.3	-	-	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-ethylhexyl)phthalate	ug/g	12.3	5	0.2, 0.4	-	-	-	-	-	-	-	-	<0.4	<0.4	-	-	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroaniline, p-	ug/g	<10	0.53	0.1, 0.5	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzidine, 3,3-	ug/g	<10	1	0.5, 0.6	-	-	-	-	-	-	-	-	<0.6	<0.6	-	-	<0.5	<0.5	<0.5	<0.5	<0.5
Diethyl phthalate	ug/g	<10	0.5	0.1, 0.2	-	-	-	-	-	-	-	-	<0.2	<0.2	-	-	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethylphenol, 2,4-	ug/g	12	420	0.1, 0.2	-	-	-	-	-	-	-	-	<0.2	1.7	-	-	<0.2	<0.2	<0.2	<0.2	<0.2
Dimethyl phthalate	ug/g	<10	0.5	0.1, 0.2	-	-	-	-	-	-	-	-	<0.2	<0.2	-	-	<0.1	<0.1	<0.1	<0.1	<0.1
Dinitrophenol, 2,4-	ug/g	<10	38	0.2, 2	-	-	-	-	-	-	-	-	<0.2	1	-	-	<2	<2	<2	<2	<2
Dinitrotoluene, 2,4+2,6-	ug/g	<24	0.92	0.2, 0.5	-	-	-	-	-	-	-	-	<0.22	<0.22	-	-	<0.5	<0.5	<0.5	<0.5	<0.5
Phenol	ug/g	88.3	9.4	0.1, 0.5	-	-	-	-	-	-	-	-	0.5	<0.1	-	-	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorobenzene, 1,2,4-	ug/g	<10	1.4	0.04, 0.05	-	-	-	-	-	-	-	-	<0.04	<0.04	-	-	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorophenols																					
Chlorophenol, 2-	ug/g	<10	2	0.1, 0.2	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorophenol, 2,4-	ug/g	<10	2.1	0.1	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	ug/g	<10	0.1	0.1, 0.2	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,5-	ug/g	<10	5.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,6-	ug/g	<10	4.2	0.1, 0.2	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	ug/g	31	58	0.05	3.5	<0.05	0.38	3.2	0.17	31	<0.05	<0.05	<0.05	<0.05	9.9	<1	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	ug/g	<5	0.17	0.05	1.8	<0.05	0.14	0.6	<0.05	2	<0.05	<0.05	<0.05	<0.05	1.1	<1	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	ug/g	69	0.74	0.05	7.9	0.1	0.92	6.9	0.35	69	0.07	<0.05	0.05	0.41	36.6	5	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[a]anthracene	ug/g	128	0.63	0.05	28.8	0.33	2.3	14.8	0.65	128	0.13	0.09	0.09	1.67	74	9	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[a]pyrene	ug/g	135	0.3	0.05	31.2	0.35	2.48	15	0.62	135	0.14	0.12	0.14	1.82	75.2	9	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	ug/g	118	0.78	0.05	30	0.31	2.63	12.9	0.56	118	0.12	0.12	0.12	1.63	63.4	8	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[g,h,i]perylene	ug/g	83	7.8	0.05	19.4	0.25	1.78	9.7	0.45	83	0.09	0.1	0.1	1.19	47.3	6	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	ug/g	111	0.78	0.05	23.3	0.28	1.35	12	0.5	111	0.12	0.1	0.11	0.77	56.9	7	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	ug/g	126	7.8	0.05	28.3	0.34	2.54	14.7	0.66	126	0.12	0.12	0.1	1.79	74.2	9	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenzo[a,h]anthracene	ug/g	40	0.1	0.05	5.8	0.1	0.74	3.5	0.11	40	<0.05	<0.05	<0.05	0.27	12.1	2	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	ug/g	230	0.69	0.05	60.9	0.78	4.76	43	1.37	222	0.36	0.21	0.25	4.16	230	21	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	ug/g	30	69	0.05	4.4	<0.05	0.44	3.5	0.18	30	<0.05	<0.05	<0.05	0.07	11.3	<1	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno[1,2,3-cd]pyrene	ug/g	80	0.48	0.05	13.6	0.22	1.69	9	0.43	80	0.08	0.08	0.09	0.85	39.8	5	<0.05	<0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 1+2-	ug/g	18	3.4	0.05	2.6	<0.1	0.26	2.6	0.11	18	<0.1	0.19	0.21	0.77	5.8	<2	<0.05	<0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 1-	ug/g	9	3.4	0.05	1.3	<0.05	0.11	1.3	<0.05	9	<0.05	0.08	0.12	0.36	2.9	<1	-	-	-	-	-
Methylnaphthalene, 2-	ug/g	9	3.4	0.05	1.3	<0.05	0.15	1.3	0.06	9	<0.05	0.11	0.09	0.41	2.9	<1	-	-	-	-	-
Naphthalene	ug/g	32.8	0.75	0.05	3.3	<0.05	0.8	2.8	0.14	18	0.05	0.08	0.14	0.31	4.8	<1	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	ug/g	172	7.8	0.05	41.3	0.51	3.6	36.7	1.23	172	0.26	0.1	0.16	2.47	154	10	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	ug/g	203	78	0.05	51.7	0.66	4.1	32.3	1.18	198	0.29	0.18	0.22	3.34	203	18	<0.05	<0.05	<0.05	<0.05	<0.05

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 1 - Osprey Shores Analytical Chemistry Results: ABNs, CPs, PAHs in Soil				Sample ID	231b-dup (TP23	TP233a	TP236a
				Sample Date	2022-Dec-13	2022-Dec-14	2022-Dec-13
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	1.2 - 2.2	0.0 - 1.1	0.1 - 1.1
Acids, Bases, Neutrals				Detection Limit			
Biphenyl, 1,1-	ug/g	<5	1.1	0.05	<0.05	<0.05	<0.05
Bis(2-chloro-1-methylethyl)eth	ug/g	<10	1.8	0.1, 0.2	<0.1	<0.1	<0.1
Bis(2-chloroethyl)ether	ug/g	10.2	0.5	0.1, 0.3	<0.1	<0.1	<0.1
Bis(2-ethylhexyl)phthalate	ug/g	12.3	5	0.2, 0.4	<0.2	<0.2	<0.2
Chloroaniline, p-	ug/g	<10	0.53	0.1, 0.5	<0.5	<0.5	<0.5
Dichlorobenzidine, 3,3-	ug/g	<10	1	0.5, 0.6	<0.5	<0.5	<0.5
Diethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<0.1	<0.1
Dimethylphenol, 2,4-	ug/g	12	420	0.1, 0.2	<0.2	<0.2	<0.2
Dimethyl phthalate	ug/g	<10	0.5	0.1, 0.2	<0.1	<0.1	<0.1
Dinitrophenol, 2,4-	ug/g	<10	38	0.2, 2	<2	<2	<2
Dinitrotoluene, 2,4+2,6-	ug/g	<24	0.92	0.2, 0.5	<0.5	<0.5	<0.5
Phenol	ug/g	88.3	9.4	0.1, 0.5	<0.5	<0.5	<0.5
Trichlorobenzene, 1,2,4-	ug/g	<10	1.4	0.04, 0.05	<0.05	<0.05	<0.05
Chlorophenols							
Chlorophenol, 2-	ug/g	<10	2	0.1, 0.2	<0.1	<0.1	<0.1
Dichlorophenol, 2,4-	ug/g	<10	2.1	0.1	<0.1	<0.1	<0.1
Pentachlorophenol	ug/g	<10	0.1	0.1, 0.2	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,5-	ug/g	<10	5.5	0.1	<0.1	<0.1	<0.1
Trichlorophenol, 2,4,6-	ug/g	<10	4.2	0.1, 0.2	<0.1	<0.1	<0.1
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	ug/g	31	58	0.05	<0.05	<0.05	<0.05
Acenaphthylene	ug/g	<5	0.17	0.05	<0.05	<0.05	<0.05
Anthracene	ug/g	69	0.74	0.05	<0.05	<0.05	<0.05
Benzo[a]anthracene	ug/g	128	0.63	0.05	<0.05	<0.05	<0.05
Benzo[a]pyrene	ug/g	135	0.3	0.05	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	ug/g	118	0.78	0.05	<0.05	<0.05	<0.05
Benzo[g,h,i]perylene	ug/g	83	7.8	0.05	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	ug/g	111	0.78	0.05	<0.05	<0.05	<0.05
Chrysene	ug/g	126	7.8	0.05	<0.05	<0.05	<0.05
Dibenzo[a,h]anthracene	ug/g	40	0.1	0.05	<0.05	<0.05	<0.05
Fluoranthene	ug/g	230	0.69	0.05	<0.05	<0.05	<0.05
Fluorene	ug/g	30	69	0.05	<0.05	<0.05	<0.05
Indeno[1,2,3-cd]pyrene	ug/g	80	0.48	0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 1+2-	ug/g	18	3.4	0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 1-	ug/g	9	3.4	0.05	-	-	-
Methylnaphthalene, 2-	ug/g	9	3.4	0.05	-	-	-
Naphthalene	ug/g	32.8	0.75	0.05	<0.05	<0.05	<0.05
Phenanthrene	ug/g	172	7.8	0.05	<0.05	<0.05	<0.05
Pyrene	ug/g	203	78	0.05	<0.05	<0.05	<0.05

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 2 - Osprey Shores Analytical Chemistry Results: HFMs, Metals in Soil				Sample ID	BH/MW 23-SS1	BH/MW 24-SS1	BH/MW 24-SS2	24-SS2.1 (BH/MW	BH/MW 25-SS1	BH/MW 26-SS1	BH/MW 80-SS1	BH/MW 80-SS2	BH/MW 121-SS4	BH/MW 130-SS3	30-SS3.1 (BH/MW	BH/MW 146-SS4	BH/MW 148-SS3	BH/MW 149-SS2	19-SS2.1 (BH/MW	BH/MW 151-SS3	BH/MW 152-SS4
				Sample Date	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jul-11	2011-Jul-11	2011-Jul-22	2011-Jul-25	2011-Jul-25	2011-Jul-28	2011-Jul-28	2011-Jul-28	2011-Jul-28	2011-Jul-29	2011-Jul-29
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.0 - 0.6**	**0.0 - 0.6**	**0.6 - 1.2**	**0.6 - 1.2**	**0.0 - 0.6**	**0.0 - 0.6**	**0.6 - 1.2**	**1.2 - 1.8**	**1.9 - 2.5**	**1.2 - 1.8**	**1.2 - 1.8**	**1.9 - 2.5**	**1.2 - 1.8**	**0.9 - 1.5**	**0.9 - 1.5**	**1.2 - 1.5**	**1.8 - 2.2**
Hydride-Forming Metals				**Detection Limit**																	
Antimony, total	ug/g	7.4	7.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, total	ug/g	202	18	0.1, 1	3	8	51	39	10	5	4	6	<1	<1	1	1	1	1	1	<1	1
Selenium, total	ug/g	5.5	2.4	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Barium, total	ug/g	1010	390	0.1, 1, 2	90	110	227	242	114	73	72	78	26	41	41	17	15	19	18	34	75
Beryllium, total	ug/g	1.5	5	0.4, 0.5, 1	<1	<1	1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron, total	ug/g	68	120	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, total	ug/g	3.5	1.2	0.1, 0.5	0.6	0.6	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	<0.5
Chromium, total	ug/g	85	160	0.2, 1, 5	21	25	28	33	25	14	16	22	8	11	14	9	9	7	6	11	22
Cobalt, total	ug/g	17	22	0.5, 1, 5	6	6	7	7	10	7	5	6	3	3	3	2	3	3	2	4	6
Copper, total	ug/g	267	180	0.1, 1	20	93	31	32	75	16	18	23	4	5	7	5	3	4	3	6	14
Lead, total	ug/g	287	120	1, 50	26	43	18	16	24	15	24	25	6	4	5	5	5	4	4	5	4
Molybdenum, total	ug/g	153	6.9	0.5, 1	119	14	73	42	20	6	3	4	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nickel, total	ug/g	632	130	1, 50	18	92	55	48	22	16	15	18	7	9	12	7	8	7	6	10	16
Silver, total	ug/g	1.2	25	0.2, 0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium, total	ug/g	2.8	1	0.5, 1, 20	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium, total	ug/g	0.87	23	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, total	ug/g	2220	86	0.4, 1, 2	28	420	851	799	67	27	18	22	6	14	16	7	11	6	5	12	36
Zinc, total	ug/g	935	340	0.005, 2, 5	50	107	49	45	101	37	102	148	7	10	12	7	8	5	5	10	25

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 2 - Osprey Shores Analytical Chemistry Results: HFMs, Metals in Soil				Sample ID	BH3-SS1	BH5-SS2	BH13-SS4	BH16-SS2	BH17-SS3	BH18-SS4	BH31-SS4	BH73-SS1	BH74-SS1	BH75-SS1	BH77-SS4	BH85-SS3	BH86-SS5	BH87-SS3	37-SS3.1 (BH87-S	BH88-SS2	BH89-SS1
				Sample Date	2011-Jun-20	2011-Jun-20	2011-Jun-22	2011-Jun-22	2011-Jun-22	2011-Jun-22	2011-Jun-27	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.0 - 0.1	0.6 - 0.9	1.9 - 2.4	0.6 - 1.2	1.2 - 1.9	1.9 - 2.5	1.8 - 2.3	0.0 - 0.3	0.0 - 0.2	0.0 - 0.3	2.0 - 2.6	1.2 - 1.9	2.5 - 3.0	1.2 - 1.9	1.2 - 1.9	0.6 - 0.8	0.4 - 1.0
Hydride-Forming Metals				Detection Limit																	
Antimony, total	ug/g	7.4	7.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, total	ug/g	202	18	0.1, 1	3	2	1	3	2	2	<1	10	6	3	2	1	1	2	2	6	9
Selenium, total	ug/g	5.5	2.4	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Barium, total	ug/g	1010	390	0.1, 1, 2	125	37	28	96	95	68	36	83	111	83	87	58	33	124	142	58	73
Beryllium, total	ug/g	1.5	5	0.4, 0.5, 1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron, total	ug/g	68	120	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, total	ug/g	3.5	1.2	0.1, 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	<0.5	<0.5	<0.5	<0.5
Chromium, total	ug/g	85	160	0.2, 1, 5	35	15	8	19	19	12	20	19	30	17	16	14	13	25	28	17	16
Cobalt, total	ug/g	17	22	0.5, 1, 5	11	4	2	6	6	4	3	13	10	6	4	4	3	8	8	7	6
Copper, total	ug/g	267	180	0.1, 1	12	7	4	13	15	9	5	33	13	10	12	7	4	16	17	15	16
Lead, total	ug/g	287	120	1, 50	27	8	6	16	16	9	6	26	16	14	13	6	6	12	12	19	37
Molybdenum, total	ug/g	153	6.9	0.5, 1	<1	<1	<1	<1	<1	<1	<1	6	<1	1	<1	<1	<1	<1	<1	2	2
Nickel, total	ug/g	632	130	1, 50	18	9	8	19	17	11	15	24	23	14	13	15	12	21	24	16	15
Silver, total	ug/g	1.2	25	0.2, 0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium, total	ug/g	2.8	1	0.5, 1, 20	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium, total	ug/g	0.87	23	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, total	ug/g	2220	86	0.4, 1, 2	33	15	6	48	21	18	11	46	36	21	15	13	8	32	34	19	20
Zinc, total	ug/g	935	340	0.005, 2, 5	46	14	6	41	30	20	10	49	48	81	21	15	8	42	45	34	60

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 2 - Osprey Shores Analytical Chemistry Results: HFMs, Metals in Soil				Sample ID	BH89-SS2	BH90-SS1	BH91-SS1	BH91-SS2	BH91-SS3	BH92-SS1	BH92-SS2	BH93-SS1	BH93-SS2	BH94-SS1	BH94-SS2	BH94-SS3	BH95-SS1	BH96-SS1	BH96-SS2	BH97-SS1	BH97-SS2
				Sample Date	2011-Jul-13	2011-Jul-13	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-15	2011-Jul-15	2011-Jul-15	2011-Jul-15	2011-Jul-15
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	1.0 - 1.5	0.0 - 0.6	0.0 - 0.6	0.6 - 1.2	1.2 - 1.9	0.0 - 0.6	0.6 - 1.1	0.0 - 0.6	0.6 - 1.1	0.0 - 0.6	0.6 - 1.3	1.3 - 1.9	0.0 - 0.6	0.0 - 0.6	0.6 - 0.9	0.0 - 0.6	0.6 - 1.2
Hydride-Forming Metals				**Detection Limit**																	
Antimony, total	ug/g	7.4	7.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, total	ug/g	202	18	0.1, 1	9	45	10	9	6	38	33	18	14	28	81	93	5	5	6	2	2
Selenium, total	ug/g	5.5	2.4	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Barium, total	ug/g	1010	390	0.1, 1, 2	84	99	109	117	88	421	201	73	92	83	68	34	78	217	245	56	54
Beryllium, total	ug/g	1.5	5	0.4, 0.5, 1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron, total	ug/g	68	120	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, total	ug/g	3.5	1.2	0.1, 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	<0.5	<0.5	<0.5	<0.5
Chromium, total	ug/g	85	160	0.2, 1, 5	17	24	22	45	22	29	41	12	21	25	18	14	18	36	48	10	18
Cobalt, total	ug/g	17	22	0.5, 1, 5	6	7	8	8	6	7	11	4	5	12	13	4	5	15	17	3	5
Copper, total	ug/g	267	180	0.1, 1	16	32	18	20	16	34	32	10	12	39	41	26	14	36	37	12	9
Lead, total	ug/g	287	120	1, 50	47	38	16	17	12	159	37	7	17	149	41	15	7	39	36	11	10
Molybdenum, total	ug/g	153	6.9	0.5, 1	3	2	12	7	8	42	18	109	79	7	4	<1	1	48	38	13	8
Nickel, total	ug/g	632	130	1, 50	17	20	111	163	61	60	632	10	22	31	36	16	14	123	99	10	14
Silver, total	ug/g	1.2	25	0.2, 0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium, total	ug/g	2.8	1	0.5, 1, 20	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium, total	ug/g	0.87	23	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, total	ug/g	2220	86	0.4, 1, 2	17	39	741	871	402	2020	2220	29	102	84	45	39	30	465	375	14	24
Zinc, total	ug/g	935	340	0.005, 2, 5	89	41	29	38	27	41	16	21	39	129	79	40	29	74	101	33	32

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 2 - Osprey Shores Analytical Chemistry Results: HFMs, Metals in Soil				Sample ID	BH98-SS1	BH98-SS2	BH100-SS1	BH101-SS3	BH102-SS2	BH103-SS2	BH104-SS2	04-SS2.1 (BH104	BH105-SS2	BH106-SS2	BH107-SS1	BH108-SS2	BH109-SS1	BH111-SS1	BH112-SS1	BH113-SS1	BH113-SS2
				Sample Date	2011-Jul-15	2011-Jul-15	2011-Jul-15	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-19	2011-Jul-19	2011-Jul-20	2011-Jul-20
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.0 - 0.6**	**0.6 - 0.8**	**0.0 - 0.6**	**1.5 - 2.2**	**0.9 - 1.5**	**0.9 - 1.1**	**0.8 - 1.4**	**0.8 - 1.4**	**0.8 - 1.4**	**0.9 - 1.4**	**0.0 - 0.6**	**0.6 - 1.2**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**	**0.6 - 0.8**
Hydride-Forming Metals				**Detection Limit**																	
Antimony, total	ug/g	7.4	7.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, total	ug/g	202	18	0.1, 1	2	5	9	2	1	1	2	2	2	1	<1	<1	3	3	3	43	12
Selenium, total	ug/g	5.5	2.4	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Barium, total	ug/g	1010	390	0.1, 1, 2	50	100	67	63	53	34	67	66	78	51	137	142	163	86	107	286	130
Beryllium, total	ug/g	1.5	5	0.4, 0.5, 1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron, total	ug/g	68	120	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, total	ug/g	3.5	1.2	0.1, 0.5	<0.5	0.6	<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	2	<0.5
Chromium, total	ug/g	85	160	0.2, 1, 5	85	73	14	13	10	9	15	13	17	14	6	9	15	17	24	45	39
Cobalt, total	ug/g	17	22	0.5, 1, 5	4	5	6	4	2	3	5	5	5	4	2	3	5	5	7	10	9
Copper, total	ug/g	267	180	0.1, 1	16	51	65	12	7	6	6	6	10	8	4	6	15	14	20	70	30
Lead, total	ug/g	287	120	1, 50	17	41	36	60	4	6	6	6	7	16	14	31	21	15	22	287	60
Molybdenum, total	ug/g	153	6.9	0.5, 1	24	81	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	1	2	29	17
Nickel, total	ug/g	632	130	1, 50	62	40	15	14	8	9	12	11	16	12	7	8	14	16	18	33	34
Silver, total	ug/g	1.2	25	0.2, 0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2
Thallium, total	ug/g	2.8	1	0.5, 1, 20	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium, total	ug/g	0.87	23	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, total	ug/g	2220	86	0.4, 1, 2	10	14	29	15	11	13	20	17	20	15	4	7	18	21	26	29	37
Zinc, total	ug/g	935	340	0.005, 2, 5	50	79	38	20	10	14	17	16	23	18	33	32	47	33	65	138	62

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 2 - Osprey Shores Analytical Chemistry Results: HFMs, Metals in Soil				Sample ID	BH114-SS2	BH116-SS1	16-SS1.1 (BH116	BH117-SS1	BH118-SS2	BH119-SS4	BH120-SS2	BH120-SS3	BH120-SS4	BH122-SS2	22-SS2.1 (BH122	BH123-SS2	BH124-SS3	BH125-SS5	BH126-SS2	BH126-SS3	BH126-SS4
				Sample Date	2011-Jul-20	2011-Jul-20	2011-Jul-20	2011-Jul-20	2011-Jul-21	2011-Jul-21	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-25	2011-Jul-25	2011-Jul-25
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.6 - 1.1**	**0.0 - 0.8**	**0.0 - 0.8**	**0.0 - 0.6**	**0.6 - 1.1**	**1.8 - 2.5**	**0.6 - 1.3**	**1.3 - 1.9**	**1.9 - 2.5**	**1.3 - 1.9**	**1.3 - 1.9**	**0.6 - 1.3**	**1.2 - 1.9**	**2.5 - 3.0**	**0.6 - 1.2**	**1.2 - 1.9**	**1.9 - 2.5**
Hydride-Forming Metals				**Detection Limit**																	
Antimony, total	ug/g	7.4	7.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, total	ug/g	202	18	0.1, 1	4	4	3	3	2	1	2	3	2	2	1	<1	1	<1	4	5	2
Selenium, total	ug/g	5.5	2.4	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Barium, total	ug/g	1010	390	0.1, 1, 2	64	147	150	162	51	87	64	240	138	42	39	30	76	204	113	141	75
Beryllium, total	ug/g	1.5	5	0.4, 0.5, 1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron, total	ug/g	68	120	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, total	ug/g	3.5	1.2	0.1, 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	<0.5	<0.5	<0.5	<0.5
Chromium, total	ug/g	85	160	0.2, 1, 5	16	22	24	30	12	19	14	38	26	9	9	10	19	25	20	27	21
Cobalt, total	ug/g	17	22	0.5, 1, 5	5	7	8	10	4	6	4	13	9	4	4	3	6	8	5	6	6
Copper, total	ug/g	267	180	0.1, 1	11	19	18	20	8	9	9	20	18	8	10	7	10	16	34	30	15
Lead, total	ug/g	287	120	1, 50	20	18	12	14	7	6	11	9	5	6	5	3	4	4	50	157	5
Molybdenum, total	ug/g	153	6.9	0.5, 1	2	19	12	<1	<1	<1	1	<1	<1	1	<1	<1	<1	<1	2	2	<1
Nickel, total	ug/g	632	130	1, 50	14	20	21	20	11	17	11	29	23	11	10	9	14	20	15	19	16
Silver, total	ug/g	1.2	25	0.2, 0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium, total	ug/g	2.8	1	0.5, 1, 20	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium, total	ug/g	0.87	23	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, total	ug/g	2220	86	0.4, 1, 2	17	27	29	40	15	20	17	47	40	12	11	19	28	35	21	24	34
Zinc, total	ug/g	935	340	0.005, 2, 5	22	44	43	58	18	20	25	60	40	14	10	10	21	36	88	262	27

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 2 - Osprey Shores Analytical Chemistry Results: HFMs, Metals in Soil				Sample ID	BH127-SS3	BH128-SS1	BH128R SS2	BH129-SS3	BH131-SS2	BH133-SS2	BH133-SS4	BH134-SS1	BH134-SS2	BH140-SS2	BH141-SS2	41-SS2.1 (BH141	BH142-SS3	BH143-SS3	BH144-SS3	BH145-SS3	BH147-SS3
				Sample Date	2011-Jul-25	2011-Jul-25	2022-Dec-22	2011-Jul-25	2011-Jul-26	2011-Jul-26	2011-Jul-26	2011-Jul-26	2011-Jul-26	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-28	2011-Jul-28
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	1.3 - 1.9	0.0 - 0.6	1.5 - 3.0	1.2 - 1.9	0.6 - 1.2	0.6 - 1.2	1.9 - 2.1	0.0 - 0.6	0.6 - 1.2	0.6 - 1.2	0.6 - 1.2	0.6 - 1.2	1.2 - 1.9	1.2 - 1.8	1.2 - 1.8	1.2 - 1.9	1.4 - 1.9
Hydride-Forming Metals				Detection Limit																	
Antimony, total	ug/g	7.4	7.5	0.8	-	-	<0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, total	ug/g	202	18	0.1, 1	1	2	2	2	3	8	<1	5	6	1	2	1	1	1	2	2	1
Selenium, total	ug/g	5.5	2.4	0.8	-	-	<0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Barium, total	ug/g	1010	390	0.1, 1, 2	54	113	37.2	135	46	252	27	881	1010	30	27	31	19	29	32	40	17
Beryllium, total	ug/g	1.5	5	0.4, 0.5, 1	<1	<1	<0.4	<1	<1	<1	<0.5	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1
Boron, total	ug/g	68	120	5	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, total	ug/g	3.5	1.2	0.1, 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	1.1	3.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	ug/g	85	160	0.2, 1, 5	13	23	17	16	48	42	<5	54	34	9	9	9	5	8	9	12	10
Cobalt, total	ug/g	17	22	0.5, 1, 5	4	6	3.5	4	16	8	2	9	9	3	3	4	2	3	3	4	3
Copper, total	ug/g	267	180	0.1, 1	9	14	3.6	10	22	267	<5	257	225	7	4	5	4	5	5	9	4
Lead, total	ug/g	287	120	1, 50	6	13	6	8	3	122	6	149	190	3	5	6	4	5	5	7	5
Molybdenum, total	ug/g	153	6.9	0.5, 1	<1	<1	<0.5	<1	<1	153	3	85	87	<1	<1	<1	<1	<1	<1	10	<1
Nickel, total	ug/g	632	130	1, 50	11	17	10	12	38	37	<5	71	49	9	9	10	6	9	9	10	8
Silver, total	ug/g	1.2	25	0.2, 0.5	<0.2	<0.2	<0.5	<0.2	<0.2	1.2	<0.3	1.1	0.9	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium, total	ug/g	2.8	1	0.5, 1, 20	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium, total	ug/g	0.87	23	0.5	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, total	ug/g	2220	86	0.4, 1, 2	20	26	7.7	20	28	26	<10	21	22	18	7	8	6	8	8	12	8
Zinc, total	ug/g	935	340	0.005, 2, 5	22	37	7	20	55	562	<20	935	883	10	6	8	5	9	13	16	12

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 2 - Osprey Shores Analytical Chemistry Results: HFMs, Metals in Soil				Sample ID	BH150-SS3	BH155-SS3	BH201 SS3	BH202 SS2	2 SS2-Dup (BH20	BH202 SS4	BH203 SS3	BH204 SS1	BH205 SS1	BH207 SS1	BH208 SS1	BH208 SS2	BH209 SS1	BH209 SS2	BH210 SS2	BH211 SS1	BH211 SS3
				Sample Date	2011-Jul-28	2001-Aug-02	2022-Dec-23	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-19	2022-Dec-19	2022-Dec-19	2022-Dec-19	2022-Dec-19	2022-Dec-15	2022-Dec-15
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**1.2 - 1.8**	**1.2 - 1.7**	**1.5 - 2.1**	**0.8 - 1.4**	**0.8 - 1.4**	**2.3 - 2.9**	**1.5 - 2.1**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**	**0.8 - 1.4**	**0.0 - 0.6**	**0.8 - 1.4**	**0.8 - 1.4**	**0.0 - 0.6**	**1.5 - 2.1**
Hydride-Forming Metals				**Detection Limit**																	
Antimony, total	ug/g	7.4	7.5	0.8	-	-	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	7.4	<0.8	<0.8	1	<0.8	<0.8	<0.8	<0.8
Arsenic, total	ug/g	202	18	0.1, 1	1	<1	2	2	2	2	3	2	3	7	2	2	202	63	3	5	2
Selenium, total	ug/g	5.5	2.4	0.8	-	-	<0.8	<0.8	<0.8	<0.8	0.9	<0.8	<0.8	<0.8	<0.8	<0.8	5.5	2.1	<0.8	<0.8	<0.8
Metals																					
Barium, total	ug/g	1010	390	0.1, 1, 2	17	15	94.3	35.5	35.5	35.1	29.4	20.3	21.5	110	42.2	38.3	272	199	39.9	46.1	53.1
Beryllium, total	ug/g	1.5	5	0.4, 0.5, 1	<1	<1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	0.4	<0.4	<0.4	1.5	1.3	<0.4	<0.4	<0.4
Boron, total	ug/g	68	120	5	-	-	11	11	11	11	11	9	<5	18	<5	5	68	20	12	13	6
Cadmium, total	ug/g	3.5	1.2	0.1, 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium, total	ug/g	85	160	0.2, 1, 5	6	5	26	12	12	8	11	8	8	15	11	13	20	26	19	15	14
Cobalt, total	ug/g	17	22	0.5, 1, 5	3	2	7.7	4.1	4.2	3.1	3.8	3.2	3.1	8.4	3.4	3.2	7.7	7	3.5	5.4	11.4
Copper, total	ug/g	267	180	0.1, 1	4	3	13.9	7.8	8.1	8	5.2	8.1	7.3	23.8	13.5	19.9	34.3	28	24	8.1	10.3
Lead, total	ug/g	287	120	1, 50	4	4	4	8	8	8	8	6	5	18	14	23	43	34	35	10	9
Molybdenum, total	ug/g	153	6.9	0.5, 1	<1	<1	4.8	<0.5	<0.5	2.7	<0.5	<0.5	<0.5	22.9	12.5	11.2	33.9	33.9	41.3	0.5	<0.5
Nickel, total	ug/g	632	130	1, 50	7	5	16	11	10	7	10	9	5	13	11	9	23	19	14	13	23
Silver, total	ug/g	1.2	25	0.2, 0.5	<0.2	<0.2	<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	<0.5
Thallium, total	ug/g	2.8	1	0.5, 1, 20	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.8	0.9	<0.5	<0.5	<0.5
Uranium, total	ug/g	0.87	23	0.5	-	-	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	0.71	0.5	<0.5	0.51	0.87	0.67	<0.5	<0.5	0.53
Vanadium, total	ug/g	2220	86	0.4, 1, 2	6	5	38.3	13.7	13.8	8	11.2	7.5	16.5	28.6	17	20.1	62.9	30.3	16.1	16.2	21.4
Zinc, total	ug/g	935	340	0.005, 2, 5	5	<2	31	14	14	14	11	8	14	40	26	33	80	53	452	18	25

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 2 - Osprey Shores Analytical Chemistry Results: HFMs, Metals in Soil				Sample ID	BH212 SS1	BH212 SS4	BH213 SS2	SS2-Dup (BH21	BH215 SS1	BH217 SS1	BH218 SS1	BH219 SS2	BH220 SS1	SS1-DUP (BH22	BH222 SS1	BH224 SS2	BH228 SS1	BH228 SS3	TP8-3	TP9-2	TP10-2
				Sample Date	2022-Dec-15	2022-Dec-15	2022-Dec-19	2022-Dec-19	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-15	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-15	2022-Dec-22	2022-Dec-22	2012-Nov-27	2012-Nov-27	2012-Nov-28
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.0 - 0.6**	**2.3 - 2.9**	**0.8 - 1.4**	**0.8 - 1.4**	**0.0 - 0.6**	**0.0 - 1.4**	**0.0 - 1.5**	**0.8 - 1.4**	**0.0 - 1.2**	**0.0 - 1.2**	**0.0 - 1.2**	**0.8 - 1.4**	**0.0 - 0.6**	**1.5 - 2.1**	**1.5 - 2.8**	**0.4 - 2.8**	**1.3 - 1.5**
Hydride-Forming Metals				**Detection Limit**																	
Antimony, total	ug/g	7.4	7.5	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	<0.8	-	-	-
Arsenic, total	ug/g	202	18	0.1, 1	2	3	4	4	2	2	2	3	3	2	2	3	3	3	2	1	2
Selenium, total	ug/g	5.5	2.4	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	<0.8	-	-	-
Metals																					
Barium, total	ug/g	1010	390	0.1, 1, 2	71.9	31.7	102	109	136	32.5	43	138	35.1	23.6	34	50.7	88.3	54.5	58	20	10
Beryllium, total	ug/g	1.5	5	0.4, 0.5, 1	<0.4	<0.4	0.5	0.5	<0.4	<0.4	<0.4	0.8	<0.4	<0.4	<0.4	<0.4	0.6	<0.4	<1	<1	<1
Boron, total	ug/g	68	120	5	9	10	11	11	7	10	11	9	11	8	9	8	16	10	-	-	-
Cadmium, total	ug/g	3.5	1.2	0.1, 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	<0.5	<0.5	<0.5	<0.5
Chromium, total	ug/g	85	160	0.2, 1, 5	8	10	22	25	7	9	10	28	10	10	11	13	23	12	17	14	4
Cobalt, total	ug/g	17	22	0.5, 1, 5	3.5	4.1	7.1	7.4	2.1	3.2	3.6	9.5	3.1	2.8	3.9	5.7	5.7	3.7	4	3	2
Copper, total	ug/g	267	180	0.1, 1	6.7	7.4	13.5	13.7	3.7	5.4	7.4	15.3	7.6	6.3	6.4	9.5	14.4	9.4	19	4	3
Lead, total	ug/g	287	120	1, 50	16	15	22	16	15	9	11	16	22	11	7	8	35	31	11	5	5
Molybdenum, total	ug/g	153	6.9	0.5, 1	<0.5	1	1.5	1.4	0.8	1.4	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	14.5	5	6	<1	<1
Nickel, total	ug/g	632	130	1, 50	11	9	12	12	4	7	8	19	8	7	9	11	13	12	13	9	4
Silver, total	ug/g	1.2	25	0.2, 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	<0.5	<0.2	<0.2	<0.2
Thallium, total	ug/g	2.8	1	0.5, 1, 20	<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	<1	<1	<1
Uranium, total	ug/g	0.87	23	0.5	<0.5	0.55	<0.5	<0.5	<0.5	<0.5	<0.5	0.57	0.69	0.6	<0.5	<0.5	0.51	<0.5	-	-	-
Vanadium, total	ug/g	2220	86	0.4, 1, 2	4.8	11	26	28.6	7.6	12.1	12	34.7	10.7	9.6	14.1	20.7	26.3	15	13	7	5
Zinc, total	ug/g	935	340	0.005, 2, 5	12	19	46	40	9	14	17	45	27	17	13	20	46	24	38	6	4

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 2 - Osprey Shores Analytical Chemistry Results: HFMs, Metals in Soil				Sample ID	TP10-3	TP11-2	TP24-1	TP25-2	TP26-1	TP27-1	TP28-1	TP29-1	TP225a	TP227a	TP229b	TP230b	TP231b	231b-dup (TP23	TP233a	TP236a
				Sample Date	2012-Nov-28	2012-Nov-28	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2022-Dec-13	2022-Dec-14	2022-Dec-14	2022-Dec-14	2022-Dec-13	2022-Dec-13	2022-Dec-14	2022-Dec-13
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	1.5 - 2.5	1.4 - 1.9	0.0 - 3.3	2.3 - 3.5	0.0 - 2.7	0.0 - 2.4	0.0 - 1.9	0.0 - 1.6	0.1 - 1.0	0.0 - 0.9	1.0 - 2.0	1.1 - 2.2	1.2 - 2.2	1.2 - 2.2	0.0 - 1.1	0.1 - 1.1
Hydride-Forming Metals				**Detection Limit**																
Antimony, total	ug/g	7.4	7.5	0.8	-	-	-	-	-	-	-	-	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Arsenic, total	ug/g	202	18	0.1, 1	2	2	19	3	3	4	5	3	3	3	7	2	5	5	3	9
Selenium, total	ug/g	5.5	2.4	0.8	-	-	-	-	-	-	-	-	<0.8	<0.8	1.1	<0.8	1.6	1	<0.8	1.7
Metals																				
Barium, total	ug/g	1010	390	0.1, 1, 2	22	10	581	83	102	111	121	40	237	42.2	102	20.2	219	179	84.4	138
Beryllium, total	ug/g	1.5	5	0.4, 0.5, 1	<1	<1	<1	<1	<1	<1	<1	<1	0.8	<0.4	0.6	<0.4	0.5	0.5	0.5	0.5
Boron, total	ug/g	68	120	5	-	-	-	-	-	-	-	-	9	11	12	8	13	11	14	12
Cadmium, total	ug/g	3.5	1.2	0.1, 0.5	<0.5	<0.5	0.7	<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
Chromium, total	ug/g	85	160	0.2, 1, 5	9	5	42	19	27	26	29	13	35	10	21	6	30	29	18	19
Cobalt, total	ug/g	17	22	0.5, 1, 5	3	2	8	6	8	8	8	5	13.6	3.9	6.3	2.7	5.4	5.8	6.6	6.1
Copper, total	ug/g	267	180	0.1, 1	4	3	64	16	13	12	13	7	24.4	5.7	19.4	3.3	21.8	20.9	12.1	26.4
Lead, total	ug/g	287	120	1, 50	7	4	69	16	18	20	18	8	16	6	19	5	77	75	15	39
Molybdenum, total	ug/g	153	6.9	0.5, 1	<1	<1	26	<1	<1	1	<1	<1	0.5	<0.5	44.8	<0.5	2.8	2.4	1	5
Nickel, total	ug/g	632	130	1, 50	7	5	41	16	20	18	19	10	25	3	12	<1	8	9	10	12
Silver, total	ug/g	1.2	25	0.2, 0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium, total	ug/g	2.8	1	0.5, 1, 20	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium, total	ug/g	0.87	23	0.5	-	-	-	-	-	-	-	-	0.71	<0.5	0.63	<0.5	0.54	0.54	<0.5	0.8
Vanadium, total	ug/g	2220	86	0.4, 1, 2	7	6	100	26	29	27	30	19	52.2	12.6	29	6.3	22.7	22.8	24.7	24.4
Zinc, total	ug/g	935	340	0.005, 2, 5	9	5	154	34	42	44	36	18	75	13	60	9	63	61	41	70

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 3 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Soil				Sample ID	BH/MW 22-SS2	BH/MW 23-SS1	BH/MW 24-SS1	BH/MW 24-SS2	24-SS2.1 (BH/MV	BH/MW 25-SS1	BH/MW 26-SS1	BH/MW 50-SS7	BH/MW 78-SS2	BH/MW 79-SS1	BH/MW 80-SS1	BH/MW 80-SS2	BH/MW 81-SS1	31-SS1.1 (BH/MV	BH/MW 84-SS4	BH/MW 121-SS4	BH/MW 130-SS3
				Sample Date	2011-Jun-23	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jul-05	2011-Jul-08	2011-Jul-08	2011-Jul-11	2011-Jul-11	2011-Jul-11	2011-Jul-11	2011-Jul-13	2011-Jul-22	2011-Jul-25
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.6 - 0.9**	**0.0 - 0.6**	**0.0 - 0.6**	**0.6 - 1.2**	**0.6 - 1.2**	**0.0 - 0.6**	**0.0 - 0.6**	**3.7 - 4.3**	**0.6 - 0.9**	**0.3 - 1.1**	**0.6 - 1.2**	**1.2 - 1.8**	**0.0 - 0.9**	**0.0 - 0.9**	**1.8 - 2.2**	**1.9 - 2.5**	**1.2 - 1.8**
Other Regulated Parameters				**Detection Limit**																	
Boron, total (Hot Water Solubl	ug/g	2.05	1.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (hexavalent)	ug/g	<0.2	10	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	ug/g	<0.04	0.051	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity	mS/cm	1.39	0.7	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	ug/g	5.8	1.8	0.1	-	<0.1	0.5	0.9	0.7	0.3	<0.1	-	-	-	<0.1	<0.1	-	-	-	<0.1	<0.1
Methyl mercury	ng/g	3.3	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium adsorption ratio	N/A	0.578	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	12.2	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	ug/g	9.95	0.35	0.02, 0.1	<0.02	<0.02	-	<0.02	<0.02	4.18	0.38	<0.02	<0.02	<0.02	0.1	-	<0.02	0.04	<0.02	<0.02	<0.02

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 3 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Soil				Sample ID	30-SS3.1 (BH/MW	BH/MW 146-SS4	BH/MW 148-SS3	BH/MW 149-SS2	49-SS2.1 (BH/MW	BH/MW 151-SS3	BH/MW 152-SS4	BH3-SS1	BH5-SS2	BH13-SS4	BH16-SS2	BH17-SS3	BH18-SS4	BH31-SS4	BH49-SS2	BH51-SS6	BH52-SS3
				Sample Date	2011-Jul-25	2011-Jul-28	2011-Jul-28	2011-Jul-28	2011-Jul-28	2011-Jul-29	2011-Jul-29	2011-Jun-20	2011-Jun-20	2011-Jun-22	2011-Jun-22	2011-Jun-22	2011-Jun-22	2011-Jun-27	2011-Jul-05	2011-Jul-05	2011-Jul-05
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	1.2 - 1.8	1.9 - 2.5	1.2 - 1.8	0.9 - 1.5	0.9 - 1.5	1.2 - 1.5	1.8 - 2.2	0.0 - 0.1	0.6 - 0.9	1.9 - 2.4	0.6 - 1.2	1.2 - 1.9	1.9 - 2.5	1.8 - 2.3	0.6 - 1.2	3.2 - 3.8	1.2 - 1.5
Other Regulated Parameters				Detection Limit																	
Boron, total (Hot Water Soluble	ug/g	2.05	1.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (hexavalent)	ug/g	<0.2	10	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	ug/g	<0.04	0.051	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity	mS/cm	1.39	0.7	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	ug/g	5.8	1.8	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-
Methyl mercury	ng/g	3.3	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium adsorption ratio	N/A	0.578	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	12.2	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	ug/g	9.95	0.35	0.02, 0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	-	0.04	<0.02	-	-	<0.02	<0.02	<0.02

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 3 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Soil				Sample ID	BH53-SS2	BH59-SS2	BH71-SS1	BH72-SS1	BH73-SS1	BH74-SS1	BH75-SS1	BH76-SS2	BH77-SS4	BH83-SS1	BH85-SS3	BH86-SS5	BH87-SS3	87-SS3.1 (BH87-S	BH88-SS2	BH88-SS3	BH89-SS1
				Sample Date	2011-Jul-05	2011-Jul-07	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.6 - 1.3	0.9 - 1.3	0.0 - 0.4	0.0 - 0.3	0.0 - 0.3	0.0 - 0.2	0.0 - 0.3	0.6 - 0.9	2.0 - 2.6	0.0 - 0.6	1.2 - 1.9	2.5 - 3.0	1.2 - 1.9	1.2 - 1.9	0.6 - 0.8	1.1 - 1.6	0.4 - 1.0
Other Regulated Parameters				Detection Limit																	
Boron, total (Hot Water Solubl	ug/g	2.05	1.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (hexavalent)	ug/g	<0.2	10	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	ug/g	<0.04	0.051	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity	mS/cm	1.39	0.7	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	ug/g	5.8	1.8	0.1	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1
Methyl mercury	ng/g	3.3	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium adsorption ratio	N/A	0.578	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	12.2	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	ug/g	9.95	0.35	0.02, 0.1	<0.02	<0.02	6.45	0.26	0.33	0.04	0.84	<0.02	<0.02	1.11	<0.02	<0.02	<0.02	<0.02	-	<0.02	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 3 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Soil				Sample ID	BH89-SS2	BH90-SS1	BH91-SS1	BH91-SS2	BH91-SS3	BH92-SS1	BH92-SS2	BH93-SS1	BH93-SS2	BH94-SS1	BH94-SS2	BH94-SS3	BH95-SS1	BH96-SS1	BH96-SS2	BH97-SS1	BH97-SS2
				Sample Date	2011-Jul-13	2011-Jul-13	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-15	2011-Jul-15	2011-Jul-15	2011-Jul-15	2011-Jul-15
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	1.0 - 1.5	0.0 - 0.6	0.0 - 0.6	0.6 - 1.2	1.2 - 1.9	0.0 - 0.6	0.6 - 1.1	0.0 - 0.6	0.6 - 1.1	0.0 - 0.6	0.6 - 1.3	1.3 - 1.9	0.0 - 0.6	0.0 - 0.6	0.6 - 0.9	0.0 - 0.6	0.6 - 1.2
Other Regulated Parameters				Detection Limit																	
Boron, total (Hot Water Soluble	ug/g	2.05	1.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (hexavalent)	ug/g	<0.2	10	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	ug/g	<0.04	0.051	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity	mS/cm	1.39	0.7	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	ug/g	5.8	1.8	0.1	0.1	0.1	<0.1	0.1	<0.1	0.5	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	0.1	<0.1
Methyl mercury	ng/g	3.3	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium adsorption ratio	N/A	0.578	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	12.2	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	ug/g	9.95	0.35	0.02, 0.1	2.06	-	-	-	-	-	-	-	<0.02	-	-	-	-	<0.02	-	<0.02	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 3 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Soil				Sample ID	BH98-SS1	BH98-SS2	BH100-SS1	BH101-SS3	BH102-SS2	BH103-SS2	BH104-SS2	04-SS2.1 (BH104	BH105-SS2	BH106-SS2	BH107-SS1	BH108-SS2	BH109-SS1	BH111-SS1	BH112-SS1	BH113-SS1	BH113-SS2
				Sample Date	2011-Jul-15	2011-Jul-15	2011-Jul-15	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-19	2011-Jul-19	2011-Jul-20	2011-Jul-20
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.0 - 0.6**	**0.6 - 0.8**	**0.0 - 0.6**	**1.5 - 2.2**	**0.9 - 1.5**	**0.9 - 1.1**	**0.8 - 1.4**	**0.8 - 1.4**	**0.8 - 1.4**	**0.9 - 1.4**	**0.0 - 0.6**	**0.6 - 1.2**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**	**0.6 - 0.8**
Other Regulated Parameters				**Detection Limit**																	
Boron, total (Hot Water Soluble	ug/g	2.05	1.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (hexavalent)	ug/g	<0.2	10	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	ug/g	<0.04	0.051	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity	mS/cm	1.39	0.7	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	ug/g	5.8	1.8	0.1	0.6	0.3	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	2.1	0.3
Methyl mercury	ng/g	3.3	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium adsorption ratio	N/A	0.578	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	12.2	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	ug/g	9.95	0.35	0.02, 0.1	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.19	2.08	<0.02	0.2	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 3 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Soil				Sample ID	BH114-SS2	BH116-SS1	16-SS1.1 (BH116	BH117-SS1	BH118-SS2	BH119-SS4	BH120-SS2	BH120-SS3	BH120-SS4	BH122-SS2	22-SS2.1 (BH122	BH123-SS2	BH124-SS3	BH125-SS5	BH126-SS2	BH126-SS3	BH126-SS4
				Sample Date	2011-Jul-20	2011-Jul-20	2011-Jul-20	2011-Jul-20	2011-Jul-21	2011-Jul-21	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-25	2011-Jul-25	2011-Jul-25
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.6 - 1.1	0.0 - 0.8	0.0 - 0.8	0.0 - 0.6	0.6 - 1.1	1.8 - 2.5	0.6 - 1.3	1.3 - 1.9	1.9 - 2.5	1.3 - 1.9	1.3 - 1.9	0.6 - 1.3	1.2 - 1.9	2.5 - 3.0	0.6 - 1.2	1.2 - 1.9	1.9 - 2.5
Other Regulated Parameters				**Detection Limit**																	
Boron, total (Hot Water Solubl	ug/g	2.05	1.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (hexavalent)	ug/g	<0.2	10	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	ug/g	<0.04	0.051	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity	mS/cm	1.39	0.7	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	ug/g	5.8	1.8	0.1	<0.1	0.3	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	0.4	<0.1
Methyl mercury	ng/g	3.3	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium adsorption ratio	N/A	0.578	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	12.2	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	ug/g	9.95	0.35	0.02, 0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	<0.02	-	0.06	<0.02	<0.02	<0.02	<0.02	0.3	0.5	<0.02

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 3 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Soil				Sample ID	BH127-SS3	BH128-SS1	BH128R SS2	BH129-SS3	BH131-SS2	BH133-SS2	BH133-SS4	BH134-SS1	BH134-SS2	BH140-SS2	BH140-SS5	BH141-SS2	41-SS2.1 (BH141	BH142-SS3	BH143-SS3	BH144-SS3	BH145-SS3
				Sample Date	2011-Jul-25	2011-Jul-25	2022-Dec-22	2011-Jul-25	2011-Jul-26	2011-Jul-26	2011-Jul-26	2011-Jul-26	2011-Jul-26	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-28
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	1.3 - 1.9	0.0 - 0.6	1.5 - 3.0	1.2 - 1.9	0.6 - 1.2	0.6 - 1.2	1.9 - 2.1	0.0 - 0.6	0.6 - 1.2	0.6 - 1.2	2.5 - 2.7	0.6 - 1.2	0.6 - 1.2	1.2 - 1.9	1.2 - 1.8	1.2 - 1.8	1.2 - 1.9
Other Regulated Parameters				Detection Limit																	
Boron, total (Hot Water Solubl	ug/g	2.05	1.5	0.1	-	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (hexavalent)	ug/g	<0.2	10	0.2	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	ug/g	<0.04	0.051	0.04	-	-	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity	mS/cm	1.39	0.7	0.005	-	-	0.263	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	ug/g	5.8	1.8	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	0.6	1.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methyl mercury	ng/g	3.3	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium adsorption ratio	N/A	0.578	-		-	-	0.206	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	12.2	-		-	-	7.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	ug/g	9.95	0.35	0.02, 0.1	<0.02	0.09	<0.1	0.04	<0.02	9.95	<0.01	2.23	1.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.17

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 3 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Soil				Sample ID	BH147-SS3	BH150-SS3	BH155-SS3	BH201 SS3	BH202 SS2	2 SS2-Dup (BH20	BH202 SS4	BH203 SS3	BH204 SS1	BH205 SS1	BH207 SS1	BH208 SS1	BH208 SS2	BH209 SS1	BH209 SS2	BH210 SS2	BH211 SS1
				Sample Date	2011-Jul-28	2011-Jul-28	2001-Aug-02	2022-Dec-23	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-19	2022-Dec-19	2022-Dec-19	2022-Dec-19	2022-Dec-19	2022-Dec-15
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**1.4 - 1.9**	**1.2 - 1.8**	**1.2 - 1.7**	**1.5 - 2.1**	**0.8 - 1.4**	**0.8 - 1.4**	**2.3 - 2.9**	**1.5 - 2.1**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**	**0.8 - 1.4**	**0.0 - 0.6**	**0.8 - 1.4**	**0.8 - 1.4**	**0.0 - 0.6**
Other Regulated Parameters				**Detection Limit**																	
Boron, total (Hot Water Soluble	ug/g	2.05	1.5	0.1	-	-	-	<0.1	0.12	0.12	0.11	0.15	<0.1	0.27	0.54	0.28	0.6	0.52	0.93	2.05	0.14
Chromium (hexavalent)	ug/g	<0.2	10	0.2	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cyanide	ug/g	<0.04	0.051	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
Electrical Conductivity	mS/cm	1.39	0.7	0.005	-	-	-	0.181	0.199	0.2	0.126	0.182	0.156	0.258	0.689	0.135	0.258	0.506	0.339	0.233	0.637
Mercury, total	ug/g	5.8	1.8	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	0.23	0.72	0.93	5.8	1.12	<0.1
Methyl mercury	ng/g	3.3	-	0.4	-	-	-	-	-	-	-	-	-	-	-	<0.4	<0.4	0.8	3.3	<0.4	-
Sodium adsorption ratio	N/A	0.578	-		-	-	-	0.097	0.05	0.064	0.088	0.079	0.017	0.102	0.114	0.114	0.173	0.046	0.101	0.152	0.062
pH	pH units	12.2	-		-	-	-	7.7	7.59	7.57	8.54	7.82	7.25	7.45	7.69	7.76	7.59	7.56	7.63	7.74	7.67
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	ug/g	9.95	0.35	0.02, 0.1	<0.02	<0.02	<0.02	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.57	0.28	0.53	-	<0.1	0.22	<0.1

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 3 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Soil				Sample ID	BH211 SS3	BH212 SS1	BH212 SS4	BH213 SS2	3 SS2-Dup (BH21	BH215 SS1	BH216 SS1	BH217 SS1	BH218 SS1	BH219 SS2	BH220 SS1	) SS1-DUP (BH22	BH221 SS1	BH222 SS1	BH223 SS1	3 SS1-DUP (BH22	BH224 SS2
				Sample Date	2022-Dec-15	2022-Dec-15	2022-Dec-15	2022-Dec-19	2022-Dec-19	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-15	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-15
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	1.5 - 2.1	0.0 - 0.6	2.3 - 2.9	0.8 - 1.4	0.8 - 1.4	0.0 - 0.6	0.0 - 0.6	0.0 - 1.4	0.0 - 1.5	0.8 - 1.4	0.0 - 1.2	0.0 - 1.2	0.0 - 1.5	0.0 - 1.2	0.0 - 0.6	0.0 - 0.6	0.8 - 1.4
Other Regulated Parameters				**Detection Limit**																	
Boron, total (Hot Water Solubl	ug/g	2.05	1.5	0.1	0.18	0.33	0.63	0.41	0.41	0.15	-	0.14	0.33	0.19	0.35	0.25	-	0.17	-	-	<0.1
Chromium (hexavalent)	ug/g	<0.2	10	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	-	-	<0.2
Cyanide	ug/g	<0.04	0.051	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
Electrical Conductivity	mS/cm	1.39	0.7	0.005	0.374	0.208	0.367	0.236	0.222	0.189	-	0.719	0.256	0.259	0.292	0.258	-	0.506	-	-	0.22
Mercury, total	ug/g	5.8	1.8	0.1	<0.1	<0.1	<0.1	<0.1	0.13	<0.1	-	<0.1	<0.1	0.11	<0.1	<0.1	-	<0.1	-	-	<0.1
Methyl mercury	ng/g	3.3	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium adsorption ratio	N/A	0.578	-		0.327	0.114	0.17	0.11	0.1	0.168	-	0.274	0.576	0.061	0.406	0.4	-	0.53	-	-	0.121
pH	pH units	12.2	-		7.62	7.48	7.43	7.75	7.78	7.7	-	8.24	7.81	7.6	7.72	8.06	12.2	11.8	-	-	7.6
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	ug/g	9.95	0.35	0.02, 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

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 3 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Soil				Sample ID	BH228 SS1	BH228 SS3	TP8-3	TP9-2	TP10-2	AQCF12-1 (TP10-	TP10-3	TP11-2	TP12-1	TP13-1	TP14-1	TP14-2	TP15-1	TP16-2	TP16-3	TP17-1	TP18-1
				Sample Date	2022-Dec-22	2022-Dec-22	2012-Nov-27	2012-Nov-27	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.0 - 0.6**	**1.5 - 2.1**	**1.5 - 2.8**	**0.4 - 2.8**	**1.3 - 1.5**	**1.3 - 1.5**	**1.5 - 2.5**	**1.4 - 1.9**	**0.0 - 0.5**	**0.0 - 1.0**	**0.0 - 1.1**	**1.1 - 2.3**	**0.0 - 2.5**	**0.5 - 1.1**	**1.1 - 2.1**	**0.0 - 1.1**	**0.0 - 0.7**
Other Regulated Parameters				**Detection Limit**																	
Boron, total (Hot Water Soluble	ug/g	2.05	1.5	0.1	0.42	0.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (hexavalent)	ug/g	<0.2	10	0.2	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	ug/g	<0.04	0.051	0.04	<0.04	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity	mS/cm	1.39	0.7	0.005	1.31	0.222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	ug/g	5.8	1.8	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	-	-	-	-	-	-	-	-
Methyl mercury	ng/g	3.3	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium adsorption ratio	N/A	0.578	-		0.578	0.204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	12.2	-		7.42	7.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	ug/g	9.95	0.35	0.02, 0.1	<0.1	-	-	-	<0.02	<0.02	-	-	<0.02	<0.5	3.71	0.62	0.46	0.46	<0.1	0.13	0.45

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 3 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Soil				Sample ID	TP18-2	TP19-1	TP19-2	TP21-2	TP24-1	TP25-1	TP25-2	TP26-1	TP27-1	TP28-1	TP29-1	TP225a	TP227a	TP229b	TP230b	TP231b	231b-dup (TP23
				Sample Date	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2022-Dec-13	2022-Dec-14	2022-Dec-14	2022-Dec-14	2022-Dec-13	2022-Dec-13
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.7 - 1.2	0.0 - 0.5	0.5 - 0.9	0.8 - 1.1	0.0 - 3.3	0.0 - 2.3	2.3 - 3.5	0.0 - 2.7	0.0 - 2.4	0.0 - 1.9	0.0 - 1.6	0.1 - 1.0	0.0 - 0.9	1.0 - 2.0	1.1 - 2.2	1.2 - 2.2	1.2 - 2.2
Other Regulated Parameters				**Detection Limit**																	
Boron, total (Hot Water Solubl	ug/g	2.05	1.5	0.1	-	-	-	-	-	-	-	-	-	-	-	0.13	<0.1	0.26	<0.1	0.31	0.32
Chromium (hexavalent)	ug/g	<0.2	10	0.2	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cyanide	ug/g	<0.04	0.051	0.04	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Electrical Conductivity	mS/cm	1.39	0.7	0.005	-	-	-	-	-	-	-	-	-	-	-	0.271	0.22	0.992	0.109	0.561	0.556
Mercury, total	ug/g	5.8	1.8	0.1	-	-	-	-	0.7	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.47	<0.1	0.21	0.15
Methyl mercury	ng/g	3.3	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium adsorption ratio	N/A	0.578	-		-	-	-	-	-	-	-	-	-	-	-	0.194	0.102	0.077	0.051	0.052	0.054
pH	pH units	12.2	-		-	-	-	-	-	-	-	-	-	-	-	7.7	7.7	7.56	7.71	7.26	7.57
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	ug/g	9.95	0.35	0.02, 0.1	<0.02	1.45	0.04	<0.02	6.58	0.39	<0.1	0.06	0.27	0.05	<0.02	<0.1	<0.1	<0.1	<0.1	1.12	1.1

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 3 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Soil				Sample ID	TP233a	TP236a
				Sample Date	2022-Dec-14	2022-Dec-13
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.0 - 1.1**	**0.1 - 1.1**
Other Regulated Parameters				**Detection Limit**		
Boron, total (Hot Water Solubl	ug/g	2.05	1.5	0.1	0.38	0.36
Chromium (hexavalent)	ug/g	<0.2	10	0.2	<0.2	<0.2
Cyanide	ug/g	<0.04	0.051	0.04	<0.04	<0.04
Electrical Conductivity	mS/cm	1.39	0.7	0.005	0.267	1.39
Mercury, total	ug/g	5.8	1.8	0.1	<0.1	0.19
Methyl mercury	ng/g	3.3	-	0.4	-	-
Sodium adsorption ratio	N/A	0.578	-		0.039	0.019
pH	pH units	12.2	-		7.51	6.54
Polychlorinated Biphenyls						
Polychlorinated biphenyls	ug/g	9.95	0.35	0.02, 0.1	<0.1	0.38

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 4 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Soil				Sample ID	BH/MW 22-SS2	BH/MW 23-SS1	BH/MW 24-SS1	BH/MW 24-SS2	24-SS2.1 (BH/MW	BH/MW 25-SS1	BH/MW 26-SS1	BH/MW 50-SS7	BH/MW 78-SS2	BH/MW 79-SS2	BH/MW 80-SS1	BH/MW 81-SS1	81-SS1.1 (BH/MW	BH/MW 84-SS4	BH/MW 121-SS4	BH/MW 130-SS3
				Sample Date	2011-Jun-23	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jun-24	2011-Jul-05	2011-Jul-08	2011-Jul-11	2011-Jul-11	2011-Jul-11	2011-Jul-11	2011-Jul-13	2011-Jul-22	2011-Jul-25
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.6 - 0.9	0.0 - 0.6	0.0 - 0.6	0.6 - 1.2	0.6 - 1.2	0.0 - 0.6	0.0 - 0.6	3.7 - 4.3	0.6 - 0.9	1.1 - 1.4	0.6 - 1.2	0.0 - 0.9	0.0 - 0.9	1.8 - 2.2	1.9 - 2.5	1.2 - 1.8
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	ug/g	1	0.17	0.02, 0.05	<0.05	-	<0.05	-	<0.05	-	-	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	ug/g	6.7	15	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
Toluene	ug/g	2725.23	6	0.05, 0.2	<0.05	-	<0.2	-	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene, m+p-	ug/g	116.2	-	0.05	<0.05	-	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene, o-	ug/g	36.6	-	0.05	<0.05	-	<0.05	-	<0.05	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes, total	ug/g	152.8	25	0.05	<0.05	-	<0.05	-	<0.05	-	-	<0.05	-	-	-	<0.05	<0.05	-	<0.05	<0.05
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	8304	65	5, 10	<10	-	-	<10	<10	-	-	<10	<10	<10	<10	<10	<10	<10	<10	<10
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	1160	150	10	<10	<10	-	<10	<10	60	<10	<10	<10	<10	10	<10	<10	<10	<10	<10
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	6280	1300	20, 50	<20	130	-	30	30	650	90	<20	20	<20	160	<20	<20	<20	<20	<20
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	1250	5600	20, 50	<20	960	-	<20	<20	250	60	<20	40	<20	50	<20	<20	<20	<20	<20
Petroleum Hydrocarbons F4G-SG (GHH-Silica	ug/g	12900	5600	50, 250	-	2600	-	-	-	3200	-	-	-	-	-	-	-	-	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 4 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Soil				Sample ID	30-SS3.1 (BH/MW	BH/MW 146-SS4	BH/MW 148-SS3	BH/MW 149-SS2	9-SS2.1 (BH/MW	BH/MW 151-SS3	BH/MW 152-SS4	BH3-SS1	BH5-SS2	BH13-SS4	BH16-SS2	BH16-SS3	BH17-SS3	BH18-SS4	BH31-SS4	BH49-SS2
				Sample Date	2011-Jul-25	2011-Jul-28	2011-Jul-28	2011-Jul-28	2011-Jul-28	2011-Jul-29	2011-Jul-29	2011-Jun-20	2011-Jun-20	2011-Jun-22	2011-Jun-22	2011-Jun-22	2011-Jun-22	2011-Jun-22	2011-Jun-27	2011-Jul-05
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	1.2 - 1.8	1.9 - 2.5	1.2 - 1.8	0.9 - 1.5	0.9 - 1.5	1.2 - 1.5	1.8 - 2.2	0.0 - 0.1	0.6 - 0.9	1.9 - 2.4	0.6 - 1.2	1.2 - 1.6	1.2 - 1.9	1.9 - 2.5	1.8 - 2.3	0.6 - 1.2
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	ug/g	1	0.17	0.02, 0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	ug/g	6.7	15	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	ug/g	2725.23	6	0.05, 0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.05	2.7	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene, m+p-	ug/g	116.2	-	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene, o-	ug/g	36.6	-	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes, total	ug/g	152.8	25	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	0.3	-	<0.05	<0.05	<0.05	<0.05
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	8304	65	5, 10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	<10	<10	<10	<10
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	1160	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	<10	<10	<10	<10
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	6280	1300	20, 50	<20	<20	<20	<20	<20	<20	<20	60	50	<20	50	-	<20	60	30	190
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	1250	5600	20, 50	<20	<20	<20	<20	<20	<20	<20	60	<20	<20	30	-	<20	20	<20	1250
Petroleum Hydrocarbons F4G-SG (GHH-Silica	ug/g	12900	5600	50, 250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9400

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 4 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Soil				Sample ID	BH51-SS6	BH52-SS2	BH52-SS3	BH53-SS1	BH53-SS2	BH59-SS2	BH71-SS1	BH72-SS1	BH73-SS1	BH74-SS1	BH75-SS1	BH76-SS2	BH77-SS4	BH83-SS1	BH85-SS3	BH86-SS5
				Sample Date	2011-Jul-05	2011-Jul-05	2011-Jul-05	2011-Jul-05	2011-Jul-05	2011-Jul-07	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-13	2011-Jul-13
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**3.2 - 3.8**	**0.6 - 1.2**	**1.2 - 1.5**	**0.0 - 0.6**	**0.6 - 1.3**	**0.9 - 1.3**	**0.0 - 0.4**	**0.0 - 0.3**	**0.0 - 0.3**	**0.0 - 0.2**	**0.0 - 0.3**	**0.6 - 0.9**	**2.0 - 2.6**	**0.0 - 0.6**	**1.2 - 1.9**	**2.5 - 3.0**
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	ug/g	1	0.17	0.02, 0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	ug/g	6.7	15	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	ug/g	2725.23	6	0.05, 0.2	<0.2	30.4	8.8	3.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene, m+p-	ug/g	116.2	-	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene, o-	ug/g	36.6	-	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes, total	ug/g	152.8	25	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	-	-	<0.05	-	-	-	-
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	8304	65	5, 10	<10	40	13.5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	1160	150	10	<10	100	80	<100	1120	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	6280	1300	20, 50	<20	140	90	600	440	<20	100	30	90	40	70	50	<20	50	<20	<20
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	1250	5600	20, 50	<20	<20	60	1100	180	<20	40	<20	60	<20	20	<20	<20	<20	<20	<20
Petroleum Hydrocarbons F4G-SG (GHH-Silica	ug/g	12900	5600	50, 250	-	-	-	12900	1200	-	-	-	-	-	-	-	-	-	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 4 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Soil				Sample ID	BH87-SS3	87-SS3.1 (BH87-S	BH88-SS2	BH88-SS3	BH89-SS1	BH89-SS2	BH90-SS1	BH91-SS2	BH92-SS1	BH92-SS2	BH93-SS1	BH93-SS2	BH94-SS1	BH94-SS2	BH94-SS3	BH95-SS1
				Sample Date	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-15
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**1.2 - 1.9**	**1.2 - 1.9**	**0.6 - 0.8**	**1.1 - 1.6**	**0.4 - 1.0**	**1.0 - 1.5**	**0.0 - 0.6**	**0.6 - 1.2**	**0.0 - 0.6**	**0.6 - 1.1**	**0.0 - 0.6**	**0.6 - 1.1**	**0.0 - 0.6**	**0.6 - 1.3**	**1.3 - 1.9**	**0.0 - 0.6**
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	ug/g	1	0.17	0.02, 0.05	<0.02	<0.02	<0.02	<0.02	1	0.07	<0.02	<0.02	<0.02	-	-	<0.02	-	<0.02	-	<0.02
Ethylbenzene	ug/g	6.7	15	0.05	<0.05	<0.05	<0.05	<0.05	0.5	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	<0.05	-	<0.05
Toluene	ug/g	2725.23	6	0.05, 0.2	<0.2	<0.2	0.3	0.3	2.8	0.5	<0.2	<0.2	<0.2	-	-	<0.2	-	<0.2	-	<0.2
Xylene, m+p-	ug/g	116.2	-	0.05	<0.05	<0.05	<0.05	<0.05	1.3	0.6	<0.05	<0.05	<0.05	-	-	<0.05	-	<0.05	-	<0.05
Xylene, o-	ug/g	36.6	-	0.05	<0.05	<0.05	<0.05	<0.05	0.8	0.4	<0.05	<0.05	<0.05	-	-	<0.05	-	<0.05	-	<0.05
Xylenes, total	ug/g	152.8	25	0.05	<0.05	<0.05	0.3	-	2.1	1	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	8304	65	5, 10	<10	<10	<10	30	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	1160	150	10	<10	<10	11.74	25.26	13.6	<10	13.6	<10	40	30	<10	12.63	11.1	11.1	20	<10
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	6280	1300	20, 50	30	<20	70	690	140	60	140	60	1620	150	30	210	100	100	190	180
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	1250	5600	20, 50	70	<20	<20	330	100	60	100	60	330	130	<20	60	30	30	50	150
Petroleum Hydrocarbons F4G-SG (GHH-Silica	ug/g	12900	5600	50, 250	-	-	-	2000	700	-	700	-	3300	-	-	-	-	-	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 4 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Soil				Sample ID	BH96-SS1	BH97-SS1	BH98-SS1	BH100-SS1	BH100-SS2	BH101-SS3	BH102-SS2	BH103-SS2	BH104-SS2	04-SS2.1 (BH104	BH105-SS2	BH106-SS2	BH107-SS1	BH108-SS2	BH109-SS1	BH111-SS1
				Sample Date	2011-Jul-15	2011-Jul-15	2011-Jul-15	2011-Jul-15	2011-Jul-15	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-18	2011-Jul-19
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**	**0.6 - 1.2**	**1.5 - 2.2**	**0.9 - 1.5**	**0.9 - 1.1**	**0.8 - 1.4**	**0.8 - 1.4**	**0.8 - 1.4**	**0.9 - 1.4**	**0.0 - 0.6**	**0.6 - 1.2**	**0.0 - 0.6**	**0.0 - 0.6**
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	ug/g	1	0.17	0.02, 0.05	<0.02	<0.02	<0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	ug/g	6.7	15	0.05	<0.05	<0.05	<0.05	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	ug/g	2725.23	6	0.05, 0.2	<0.2	<0.2	<0.2	1.7	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	<0.2
Xylene, m+p-	ug/g	116.2	-	0.05	<0.05	<0.05	<0.05	2.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene, o-	ug/g	36.6	-	0.05	<0.05	<0.05	<0.05	1.5	<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	ug/g	152.8	25	0.05	-	-	-	3.7	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	-	-
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	8304	65	5, 10	<10	<10	<10	40	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	1160	150	10	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	20	<10
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	6280	1300	20, 50	100	<20	70	70	-	<20	<20	<20	<20	<20	<20	<20	<20	80	1290	90
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	1250	5600	20, 50	80	<20	80	50	-	<20	<20	<20	<20	<20	<20	<20	<20	20	890	80
Petroleum Hydrocarbons F4G-SG (GHH-Silica	ug/g	12900	5600	50, 250	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	5600	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 4 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Soil				Sample ID	BH112-SS1	BH113-SS1	BH114-SS2	BH116-SS1	16-SS1.1 (BH116	BH117-SS1	BH118-SS2	BH119-SS4	BH120-SS3	BH122-SS2	22-SS2.1 (BH122	BH123-SS2	BH124-SS3	BH125-SS5	BH126-SS2	BH126-SS3
				Sample Date	2011-Jul-19	2011-Jul-20	2011-Jul-20	2011-Jul-20	2011-Jul-20	2011-Jul-20	2011-Jul-21	2011-Jul-21	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-22	2011-Jul-25	2011-Jul-25
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.0 - 0.6**	**0.0 - 0.6**	**0.6 - 1.1**	**0.0 - 0.8**	**0.0 - 0.8**	**0.0 - 0.6**	**0.6 - 1.1**	**1.8 - 2.5**	**1.3 - 1.9**	**1.3 - 1.9**	**1.3 - 1.9**	**0.6 - 1.3**	**1.2 - 1.9**	**2.5 - 3.0**	**0.6 - 1.2**	**1.2 - 1.9**
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	ug/g	1	0.17	0.02, 0.05	<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
Ethylbenzene	ug/g	6.7	15	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05
Toluene	ug/g	2725.23	6	0.05, 0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2
Xylene, m+p-	ug/g	116.2	-	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05
Xylene, o-	ug/g	36.6	-	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05
Xylenes, total	ug/g	152.8	25	0.05	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	8304	65	5, 10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	1160	150	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	6280	1300	20, 50	<20	200	<20	<20	<20	<20	40	<20	<20	<20	<20	<20	<20	<20	1360	500
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	1250	5600	20, 50	<20	180	<20	20	<20	<20	30	<20	<20	<20	<20	<20	<20	<20	430	800
Petroleum Hydrocarbons F4G-SG (GHH-Silica	ug/g	12900	5600	50, 250	-	800	-	-	-	-	-	-	-	-	-	-	-	-	1700	3100

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 4 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Soil				Sample ID	BH126-SS4	BH127-SS3	BH128-SS1	BH128R SS2	BH129-SS3	BH131-SS2	BH133-SS2	BH133-SS4	BH134-SS1	BH134-SS2	BH140-SS2	BH140-SS5	BH141-SS2	41-SS2.1 (BH141	BH142-SS3	BH143-SS3
				Sample Date	2011-Jul-25	2011-Jul-25	2011-Jul-25	2022-Dec-22	2011-Jul-25	2011-Jul-26	2011-Jul-26	2011-Jul-26	2011-Jul-26	2011-Jul-26	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27	2011-Jul-27
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	1.9 - 2.5	1.3 - 1.9	0.0 - 0.6	1.5 - 3.0	1.2 - 1.9	0.6 - 1.2	0.6 - 1.2	1.9 - 2.1	0.0 - 0.6	0.6 - 1.2	0.6 - 1.2	2.5 - 2.7	0.6 - 1.2	0.6 - 1.2	1.2 - 1.9	1.2 - 1.8
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	ug/g	1	0.17	0.02, 0.05	-	<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
Ethylbenzene	ug/g	6.7	15	0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	6.7	<0.05	3.6	2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	ug/g	2725.23	6	0.05, 0.2	-	<0.2	<0.2	<0.05	<0.2	<0.2	33	<0.2	11.1	13.07	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene, m+p-	ug/g	116.2	-	0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	116.2	<0.05	0.8	1.7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene, o-	ug/g	36.6	-	0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	36.6	<0.05	0.3	0.66	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes, total	ug/g	152.8	25	0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	152.8	-	1.1	2.36	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	8304	65	5, 10	<10	<10	<10	<5	<10	<10	430	<10	30	13	<10	<10	<10	<10	<10	<10
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	1160	150	10	<10	<10	<10	<10	<10	<10	60	<10	50	20	<10	<10	<10	<10	<10	<10
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	6280	1300	20, 50	<20	40	120	<50	90	<20	580	<20	370	150	<20	<20	<20	<20	<20	<20
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	1250	5600	20, 50	<20	20	80	<50	40	<20	200	<20	170	50	<20	<20	<20	<20	<20	<20
Petroleum Hydrocarbons F4G-SG (GHH-Silica	ug/g	12900	5600	50, 250	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 4 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Soil				Sample ID	BH144-SS2	BH144-SS3	BH145-SS3	BH145-SS4	BH147-SS3	BH150-SS3	BH155-SS3	BH156-SS4	BH201 SS3	BH202 SS2	? SS2-Dup (BH20	BH202 SS4	BH203 SS3	BH204 SS1	BH205 SS1	BH207 SS1
				Sample Date	2011-Jul-27	2011-Jul-27	2011-Jul-28	2011-Jul-28	2011-Jul-28	2011-Jul-28	2001-Aug-02	2012-Nov-26	2022-Dec-23	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.6 - 1.2**	**1.2 - 1.8**	**1.2 - 1.9**	**1.9 - 2.2**	**1.4 - 1.9**	**1.2 - 1.8**	**1.2 - 1.7**	**1.8 - 2.4**	**1.5 - 2.1**	**0.8 - 1.4**	**0.8 - 1.4**	**2.3 - 2.9**	**1.5 - 2.1**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	ug/g	1	0.17	0.02, 0.05	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	ug/g	6.7	15	0.05	<0.05	5.3	0.5	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	ug/g	2725.23	6	0.05, 0.2	2.5	2725.23	291	151.08	<0.2	<0.2	0.6	<0.05	<0.05	0.8	0.7	1.39	<0.05	<0.05	<0.05	<0.05
Xylene, m+p-	ug/g	116.2	-	0.05	<0.05	4.5	1	<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
Xylene, o-	ug/g	36.6	-	0.05	<0.05	0.3	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes, total	ug/g	152.8	25	0.05	<0.05	4.8	1.3	<0.05	<0.05	<0.05	-	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	8304	65	5, 10	<10	4540	580	120	<10	<10	<10	-	<5	<5	<5	<5	<5	<5	<5	<5
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	1160	150	10	<10	140	160	<10	20	<10	20	-	<10	<10	<10	19	<10	<10	<10	17
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	6280	1300	20, 50	20	140	90	<20	20	<20	<20	-	<50	<50	<50	<50	<50	<50	<50	114
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	1250	5600	20, 50	<20	90	40	<20	<20	<20	<20	-	<50	<50	<50	<50	<50	<50	<50	<50
Petroleum Hydrocarbons F4G-SG (GHH-Silica	ug/g	12900	5600	50, 250	-	-	-	-	-	-	-	-								

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 4 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Soil				Sample ID	BH208 SS2	BH209 SS1	BH209 SS2	BH210 SS2	BH211 SS1	BH211 SS3	BH212 SS1	BH212 SS4	BH213 SS2	SS2-Dup (BH21	BH214 SS2	BH214 SS3	BH215 SS1	BH217 SS1	BH218 SS1	BH219 SS2
				Sample Date	2022-Dec-19	2022-Dec-19	2022-Dec-19	2022-Dec-19	2022-Dec-15	2022-Dec-15	2022-Dec-15	2022-Dec-15	2022-Dec-19	2022-Dec-19	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-15
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.8 - 1.4**	**0.0 - 0.6**	**0.8 - 1.4**	**0.8 - 1.4**	**0.0 - 0.6**	**1.5 - 2.1**	**0.0 - 0.6**	**2.3 - 2.9**	**0.8 - 1.4**	**0.8 - 1.4**	**0.8 - 1.4**	**1.5 - 2.1**	**0.0 - 0.6**	**0.0 - 1.4**	**0.0 - 1.5**	**0.8 - 1.4**
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	ug/g	1	0.17	0.02, 0.05	<0.02	<0.02	0.51	<0.02	0.54	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	ug/g	6.7	15	0.05	<0.05	<0.05	0.36	<0.05	0.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	ug/g	2725.23	6	0.05, 0.2	<0.05	0.21	0.28	<0.05	2.1	<0.05	0.38	<0.05	<0.05	<0.05	0.15	<0.05	<0.05	<0.05	0.23	<0.05
Xylene, m+p-	ug/g	116.2	-	0.05	<0.05	0.23	0.73	<0.05	3.05	<0.05	0.48	<0.05	<0.05	<0.05	2.03	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene, o-	ug/g	36.6	-	0.05	<0.05	<0.05	<0.05	<0.05	1.93	<0.05	0.27	<0.05	<0.05	<0.05	1.27	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes, total	ug/g	152.8	25	0.05	<0.05	0.23	0.73	<0.05	4.98	<0.05	0.75	<0.05	<0.05	<0.05	3.3	<0.05	<0.05	<0.05	<0.05	<0.05
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	8304	65	5, 10	<5	9	<5	<5	17	<5	8	<5	<5	<5	<5	<5	<5	<5	<5	<5
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	1160	150	10	<10	36	713	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	6280	1300	20, 50	298	488	6280	<50	<50	<50	<50	<50	<50	<50	146	73	<50	<50	<50	<50
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	1250	5600	20, 50	100	55	262	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Petroleum Hydrocarbons F4G-SG (GHH-Silica	ug/g	12900	5600	50, 250																

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 4 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Soil				Sample ID	BH220 SS1	) SS1-DUP (BH22	BH221 SS1	BH222 SS1	BH223 SS1	S SS1-DUP (BH22	BH224 SS2	BH228 SS1	TP8-1	TP8-3	TP9-2	TP10-2	AQCF12-1 (TP10-	TP10-3	TP11-2	TP22-1
				Sample Date	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-15	2022-Dec-22	2012-Nov-27	2012-Nov-27	2012-Nov-27	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.0 - 1.2**	**0.0 - 1.2**	**0.0 - 1.5**	**0.0 - 1.2**	**0.0 - 0.6**	**0.0 - 0.6**	**0.8 - 1.4**	**0.0 - 0.6**	**0.0 - 0.6**	**1.5 - 2.8**	**0.4 - 2.8**	**1.3 - 1.5**	**1.3 - 1.5**	**1.5 - 2.5**	**1.4 - 1.9**	**0.0 - 1.0**
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	ug/g	1	0.17	0.02, 0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	-	-	<0.02	-	-	-
Ethylbenzene	ug/g	6.7	15	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	-	<0.05	-	-	-
Toluene	ug/g	2725.23	6	0.05, 0.2	0.23	<0.05	0.2	0.18	1.19	0.93	<0.05	<0.05	-	-	-	-	<0.2	-	-	-
Xylene, m+p-	ug/g	116.2	-	0.05	<0.05	<0.05	<0.05	<0.05	0.42	0.53	<0.05	<0.05	-	-	-	-	<0.05	-	-	-
Xylene, o-	ug/g	36.6	-	0.05	<0.05	<0.05	<0.05	<0.05	0.4	0.57	<0.05	<0.05	-	-	-	-	<0.05	-	-	-
Xylenes, total	ug/g	152.8	25	0.05	<0.05	<0.05	<0.05	<0.05	0.82	1.1	<0.05	<0.05	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	8304	65	5, 10	<5	<5	<5	<5	20	15	<5	<5	<10	8304	<10	<10	<10	<10	<10	<10
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	1160	150	10	10	12	<10	<10	147	147	<10	<10	<10	1160	<10	<10	<10	<10	<10	40
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	6280	1300	20, 50	140	167	<50	<50	3500	3500	<50	<50	<20	570	<20	<20	<20	<20	<20	230
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	1250	5600	20, 50	<50	<50	<50	<50	544	563	<50	<50	<20	480	<20	<20	<20	<20	<20	230
Petroleum Hydrocarbons F4G-SG (GHH-Silica	ug/g	12900	5600	50, 250									-	-	-	-	-	-	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 4 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Soil				Sample ID	TP23-1	TP24-1	TP25-1	TP25-2	TP26-1	TP27-1	TP28-1	TP29-1	TP30-1	TP30-2	TP225a	TP227a	TP229b	TP230b	TP231b	231b-dup (TP23
				Sample Date	2012-Nov-28	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2012-Nov-29	2022-Dec-13	2022-Dec-14	2022-Dec-14	2022-Dec-14	2022-Dec-13	2022-Dec-13
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.0 - 1.8	0.0 - 3.3	0.0 - 2.3	2.3 - 3.5	0.0 - 2.7	0.0 - 2.4	0.0 - 1.9	0.0 - 1.6	0.8 - 1.3	1.3 - 2.0	0.1 - 1.0	0.0 - 0.9	1.0 - 2.0	1.1 - 2.2	1.2 - 2.2	1.2 - 2.2
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	ug/g	1	0.17	0.02, 0.05	-	-	-	-	-	-	-	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	ug/g	6.7	15	0.05	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	ug/g	2725.23	6	0.05, 0.2	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	0.29	<0.05	0.32	0.32
Xylene, m+p-	ug/g	116.2	-	0.05	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene, o-	ug/g	36.6	-	0.05	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes, total	ug/g	152.8	25	0.05	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	8304	65	5, 10	10	57	35	<10	<10	<10	<10	<10	-	12	<5	<5	<5	<5	<5	<5
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	1160	150	10	10	50	<10	<10	<10	<10	<10	<10	30	<50	<10	<10	<10	<10	<10	<10
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	6280	1300	20, 50	210	980	440	40	40	90	50	<20	1060	380	112	<50	127	<50	697	1090
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	1250	5600	20, 50	80	280	230	40	40	50	40	<20	590	240	130	<50	67	<50	209	282
Petroleum Hydrocarbons F4G-SG (GHH-Silica	ug/g	12900	5600	50, 250	-	-	-	-	-	-	-	-	2300	-						

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 4 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Soil				Sample ID	TP233a	TP236a
				Sample Date	2022-Dec-14	2022-Dec-13
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.0 - 1.1	0.1 - 1.1
Benzene, Toluene, Ethylbenzene, & Xylenes				Detection Limit		
Benzene	ug/g	1	0.17	0.02, 0.05	<0.02	<0.02
Ethylbenzene	ug/g	6.7	15	0.05	<0.05	<0.05
Toluene	ug/g	2725.23	6	0.05, 0.2	<0.05	<0.05
Xylene, m+p-	ug/g	116.2	-	0.05	<0.05	<0.05
Xylene, o-	ug/g	36.6	-	0.05	<0.05	<0.05
Xylenes, total	ug/g	152.8	25	0.05	<0.05	<0.05
Petroleum Hydrocarbons						
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	8304	65	5, 10	<5	<5
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	1160	150	10	<10	<10
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	6280	1300	20, 50	<50	114
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	1250	5600	20, 50	<50	<50
Petroleum Hydrocarbons F4G-SG (GHH-Silica	ug/g	12900	5600	50, 250		

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 5 - Osprey Shores Analytical Chemistry Results: THMs, VOCs in Soil				Sample ID	BH/MW 22-SS2	BH/MW 24-SS1	24-SS2.1 (BH/MW	BH/MW 78-SS2	BH/MW 79-SS2	BH/MW 80-SS1	BH/MW 81-SS1	81-SS1.1 (BH/MW	BH/MW 84-SS4	BH/MW 146-SS4	BH/MW 148-SS3	BH/MW 149-SS2	49-SS2.1 (BH/MW	BH/MW 151-SS3	BH/MW 152-SS4	BH3-SS1	BH5-SS2
				Sample Date	2011-Jun-23	2011-Jun-24	2011-Jun-24	2011-Jul-08	2011-Jul-11	2011-Jul-11	2011-Jul-11	2011-Jul-11	2011-Jul-13	2011-Jul-28	2011-Jul-28	2011-Jul-28	2011-Jul-28	2011-Jul-29	2011-Jul-29	2011-Jun-20	2011-Jun-20
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**0.6 - 0.9**	**0.0 - 0.6**	**0.6 - 1.2**	**0.6 - 0.9**	**1.1 - 1.4**	**0.6 - 1.2**	**0.0 - 0.9**	**0.0 - 0.9**	**1.8 - 2.2**	**1.9 - 2.5**	**1.2 - 1.8**	**0.9 - 1.5**	**0.9 - 1.5**	**1.2 - 1.5**	**1.8 - 2.2**	**0.0 - 0.1**	**0.6 - 0.9**
Trihalomethanes				**Detection Limit**																	
Bromodichloromethane	ug/g	<0.05	13	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Bromoform	ug/g	<0.05	0.26	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Chloroform	ug/g	<0.05	0.18	0.04, 0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Dibromochloromethane	ug/g	<0.05	9.4	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Volatile Organic Compounds																					
Acetone	ug/g	<0.5	28	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/g	<0.05	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	ug/g	4859.5	0.12	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Chlorobenzene	ug/g	<0.05	2.7	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	ug/g	<1	4.3	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	<1
Dichlorobenzene, 1,3-	ug/g	<1	6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	<1
Dichlorobenzene, 1,4-	ug/g	<1	0.097	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	<1
Dichlorodifluoromethane	ug/g	<0.5	25	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Dichloroethane, 1,1-	ug/g	<0.05	11	0.02, 0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Dichloroethane, 1,2-	ug/g	<0.05	0.05	0.03, 0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Dichloroethene, 1,1-	ug/g	<0.5	0.05	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Dichloroethene, cis-1,2-	ug/g	<0.05	30	0.02, 0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Dichloroethene, trans-1,2-	ug/g	1.93	0.75	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Dichloropropane, 1,2-	ug/g	<0.05	0.085	0.03, 0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Dichloropropene, 1,3-	ug/g	<0.1	0.083	0.05	<0.1	<0.1	<0.1	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-
Dichloropropene, cis-1,3-	ug/g	<0.05	-	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Dichloropropene, trans-1,3-	ug/g	<0.05	-	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Ethylene dibromide	ug/g	<0.05	0.05	0.04, 0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Hexane, n-	ug/g	0.6	34	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK)	ug/g	<0.5	44	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	ug/g	<0.5	4.3	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/g	<0.05	0.96	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Methyl tert-butyl ether (MTBE)	ug/g	<0.05	1.4	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/g	<0.05	2.2	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Tetrachloroethane, 1,1,1,2-	ug/g	<0.05	0.05	0.04, 0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Tetrachloroethane, 1,1,2,2-	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	-	-
Tetrachloroethene	ug/g	<1	2.3	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Trichloroethane, 1,1,1-	ug/g	<0.05	3.4	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Trichloroethane, 1,1,2-	ug/g	<0.05	0.05	0.04, 0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Trichloroethene	ug/g	<0.05	0.52	0.03, 0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Trichlorofluoromethane	ug/g	<0.5	5.8	0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	-
Vinyl Chloride	ug/g	<1	0.022	0.002, 0.02	<0.02	<0.02	<0.02	-	-	-	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 5 - Osprey Shores Analytical Chemistry Results: THMs, VOCs in Soil				Sample ID	BH13-SS4	BH16-SS2	BH16-SS3	BH17-SS3	BH18-SS4	BH31-SS4	BH52-SS3	BH53-SS2	BH59-SS2	BH71-SS1	BH72-SS1	BH73-SS1	BH74-SS1	BH75-SS1	BH76-SS2	BH77-SS4	BH83-SS1
				Sample Date	2011-Jun-22	2011-Jun-22	2011-Jun-22	2011-Jun-22	2011-Jun-22	2011-Jun-27	2011-Jul-05	2011-Jul-05	2011-Jul-07	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08	2011-Jul-08
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**1.9 - 2.4**	**0.6 - 1.2**	**1.2 - 1.6**	**1.2 - 1.9**	**1.9 - 2.5**	**1.8 - 2.3**	**1.2 - 1.5**	**0.6 - 1.3**	**0.9 - 1.3**	**0.0 - 0.4**	**0.0 - 0.3**	**0.0 - 0.3**	**0.0 - 0.2**	**0.0 - 0.3**	**0.6 - 0.9**	**2.0 - 2.6**	**0.0 - 0.6**
Trihalomethanes				**Detection Limit**																	
Bromodichloromethane	ug/g	<0.05	13	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Bromoform	ug/g	<0.05	0.26	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Chloroform	ug/g	<0.05	0.18	0.04, 0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Dibromochloromethane	ug/g	<0.05	9.4	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Volatile Organic Compounds																					
Acetone	ug/g	<0.5	28	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/g	<0.05	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	ug/g	4859.5	0.12	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Chlorobenzene	ug/g	<0.05	2.7	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	ug/g	<1	4.3	0.05	<0.05	<0.05	<0.1	<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
Dichlorobenzene, 1,3-	ug/g	<1	6	0.05	<0.05	<0.05	<0.1	<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
Dichlorobenzene, 1,4-	ug/g	<1	0.097	0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	ug/g	<0.5	25	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Dichloroethane, 1,1-	ug/g	<0.05	11	0.02, 0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Dichloroethane, 1,2-	ug/g	<0.05	0.05	0.03, 0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Dichloroethene, 1,1-	ug/g	<0.5	0.05	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Dichloroethene, cis-1,2-	ug/g	<0.05	30	0.02, 0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Dichloroethene, trans-1,2-	ug/g	1.93	0.75	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Dichloropropane, 1,2-	ug/g	<0.05	0.085	0.03, 0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Dichloropropene, 1,3-	ug/g	<0.1	0.083	0.05	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-	<0.1	-	-	-	<0.1	-	-
Dichloropropene, cis-1,3-	ug/g	<0.05	-	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Dichloropropene, trans-1,3-	ug/g	<0.05	-	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Ethylene dibromide	ug/g	<0.05	0.05	0.04, 0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Hexane, n-	ug/g	0.6	34	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK)	ug/g	<0.5	44	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	ug/g	<0.5	4.3	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/g	<0.05	0.96	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Methyl tert-butyl ether (MTBE)	ug/g	<0.05	1.4	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/g	<0.05	2.2	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Tetrachloroethane, 1,1,1,2-	ug/g	<0.05	0.05	0.04, 0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Tetrachloroethane, 1,1,2,2-	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	-	-
Tetrachloroethene	ug/g	<1	2.3	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Trichloroethane, 1,1,1-	ug/g	<0.05	3.4	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Trichloroethane, 1,1,2-	ug/g	<0.05	0.05	0.04, 0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Trichloroethene	ug/g	<0.05	0.52	0.03, 0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Trichlorofluoromethane	ug/g	<0.5	5.8	0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	-	-	-	<0.05	-	-
Vinyl Chloride	ug/g	<1	0.022	0.002, 0.02	<0.02	<0.02	-	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	<0.02	-	-	-	<0.02	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 5 - Osprey Shores Analytical Chemistry Results: THMs, VOCs in Soil				Sample ID	BH85-SS3	BH86-SS5	BH87-SS3	87-SS3.1 (BH87-S	BH88-SS2	BH88-SS3	BH89-SS1	BH89-SS2	BH90-SS1	BH91-SS2	BH92-SS1	BH93-SS2	BH94-SS2	BH100-SS2	BH128R SS2	BH140-SS5	BH144-SS3
				Sample Date	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-13	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-14	2011-Jul-15	2022-Dec-22	2011-Jul-27	2011-Jul-27
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**1.2 - 1.9**	**2.5 - 3.0**	**1.2 - 1.9**	**1.2 - 1.9**	**0.6 - 0.8**	**1.1 - 1.6**	**0.4 - 1.0**	**1.0 - 1.5**	**0.0 - 0.6**	**0.6 - 1.2**	**0.0 - 0.6**	**0.6 - 1.1**	**0.6 - 1.3**	**0.6 - 1.2**	**1.5 - 3.0**	**2.5 - 2.7**	**1.2 - 1.8**
Trihalomethanes				**Detection Limit**																	
Bromodichloromethane	ug/g	<0.05	13	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Bromoform	ug/g	<0.05	0.26	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Chloroform	ug/g	<0.05	0.18	0.04, 0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.04	<0.05	<0.05
Dibromochloromethane	ug/g	<0.05	9.4	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Volatile Organic Compounds																					
Acetone	ug/g	<0.5	28	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
Bromomethane	ug/g	<0.05	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-
Carbon tetrachloride	ug/g	4859.5	0.12	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	ug/g	<0.05	2.7	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-
Dichlorobenzene, 1,2-	ug/g	<1	4.3	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	ug/g	<1	6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,4-	ug/g	<1	0.097	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	ug/g	<0.5	25	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,1-	ug/g	<0.05	11	0.02, 0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.02	<0.05	<0.05
Dichloroethane, 1,2-	ug/g	<0.05	0.05	0.03, 0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.03	<0.05	<0.05
Dichloroethene, 1,1-	ug/g	<0.5	0.05	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Dichloroethene, cis-1,2-	ug/g	<0.05	30	0.02, 0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.02	<0.05	<0.05
Dichloroethene, trans-1,2-	ug/g	1.93	0.75	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	ug/g	<0.05	0.085	0.03, 0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.03	<0.05	<0.05
Dichloropropene, 1,3-	ug/g	<0.1	0.083	0.05	-	-	-	-	<0.1	-	<0.1	-	-	-	-	-	-	<0.1	<0.05	<0.1	<0.1
Dichloropropene, cis-1,3-	ug/g	<0.05	-	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	-	<0.05	<0.05
Dichloropropene, trans-1,3-	ug/g	<0.05	-	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	-	<0.05	<0.05
Ethylene dibromide	ug/g	<0.05	0.05	0.04, 0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.04	<0.05	<0.05
Hexane, n-	ug/g	0.6	34	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-
Methyl Ethyl Ketone (MEK)	ug/g	<0.5	44	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
Methyl Isobutyl Ketone (MIBK)	ug/g	<0.5	4.3	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-
Methylene chloride	ug/g	<0.05	0.96	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Methyl tert-butyl ether (MTBE)	ug/g	<0.05	1.4	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-
Styrene	ug/g	<0.05	2.2	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	ug/g	<0.05	0.05	0.04, 0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.04	<0.05	<0.05
Tetrachloroethane, 1,1,2,2-	ug/g	<0.05	0.05	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Tetrachloroethene	ug/g	<1	2.3	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,1-	ug/g	<0.05	3.4	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	ug/g	<0.05	0.05	0.04, 0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.04	<0.05	<0.05
Trichloroethene	ug/g	<0.05	0.52	0.03, 0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.03	<0.05	<0.05
Trichlorofluoromethane	ug/g	<0.5	5.8	0.05	-	-	-	-	<0.05	-	<0.05	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	ug/g	<1	0.022	0.002, 0.02	-	-	-	-	<0.02	-	<0.02	-	-	-	-	-	-	<0.02	<0.02	<0.02	<0.02

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 5 - Osprey Shores Analytical Chemistry Results: THMs, VOCs in Soil				Sample ID	BH145-SS3	BH147-SS3	BH150-SS3	BH156-SS4	BH201 SS3	BH202 SS2	? SS2-Dup (BH20	BH202 SS4	BH203 SS3	BH204 SS1	BH205 SS1	BH207 SS1	BH208 SS2	BH209 SS1	BH209 SS2	BH210 SS2	BH211 SS1
				Sample Date	2011-Jul-28	2011-Jul-28	2011-Jul-28	2012-Nov-26	2022-Dec-23	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-19	2022-Dec-19	2022-Dec-19	2022-Dec-19	2022-Dec-15
Parameter	**Units**	**Max Concentratio**	**MECP-2011-S-T7-RPI-**	**Sample Depth**	**1.2 - 1.9**	**1.4 - 1.9**	**1.2 - 1.8**	**1.8 - 2.4**	**1.5 - 2.1**	**0.8 - 1.4**	**0.8 - 1.4**	**2.3 - 2.9**	**1.5 - 2.1**	**0.0 - 0.6**	**0.0 - 0.6**	**0.0 - 0.6**	**0.8 - 1.4**	**0.0 - 0.6**	**0.8 - 1.4**	**0.8 - 1.4**	**0.0 - 0.6**
Trihalomethanes				**Detection Limit**																	
Bromodichloromethane	ug/g	<0.05	13	0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	ug/g	<0.05	0.26	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	ug/g	<0.05	0.18	0.04, 0.05	<0.05	<0.05	<0.05	<0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Dibromochloromethane	ug/g	<0.05	9.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Volatile Organic Compounds																					
Acetone	ug/g	<0.5	28	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
Bromomethane	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	<0.05
Carbon tetrachloride	ug/g	4859.5	0.12	0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	ug/g	<0.05	2.7	0.05	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,2-	ug/g	<1	4.3	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	ug/g	<1	6	0.05	<0.05	<0.05	<0.05	<0.5	<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
Dichlorobenzene, 1,4-	ug/g	<1	0.097	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	ug/g	<0.5	25	0.05	<0.05	<0.05	<0.05	<0.5	<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
Dichloroethane, 1,1-	ug/g	<0.05	11	0.02, 0.05	<0.05	<0.05	<0.05	<0.05	<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
Dichloroethane, 1,2-	ug/g	<0.05	0.05	0.03, 0.05	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dichloroethene, 1,1-	ug/g	<0.5	0.05	0.05	<0.05	<0.05	<0.05	<0.5	<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
Dichloroethene, cis-1,2-	ug/g	<0.05	30	0.02, 0.05	<0.05	<0.05	<0.05	<0.05	<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
Dichloroethene, trans-1,2-	ug/g	1.93	0.75	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	ug/g	<0.05	0.085	0.03, 0.05	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dichloropropene, 1,3-	ug/g	<0.1	0.083	0.05	<0.1	<0.1	<0.1	<0.1	<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
Dichloropropene, cis-1,3-	ug/g	<0.05	-	0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	ug/g	<0.05	-	0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene dibromide	ug/g	<0.05	0.05	0.04, 0.05	<0.05	<0.05	<0.05	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Hexane, n-	ug/g	0.6	34	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	0.6
Methyl Ethyl Ketone (MEK)	ug/g	<0.5	44	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
Methyl Isobutyl Ketone (MIBK)	ug/g	<0.5	4.3	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
Methylene chloride	ug/g	<0.05	0.96	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl tert-butyl ether (MTBE)	ug/g	<0.05	1.4	0.05	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	ug/g	<0.05	2.2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	ug/g	<0.05	0.05	0.04, 0.05	<0.05	<0.05	<0.05	<0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Tetrachloroethane, 1,1,2,2-	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	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethene	ug/g	<1	2.3	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,1-	ug/g	<0.05	3.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	ug/g	<0.05	0.05	0.04, 0.05	<0.05	<0.05	<0.05	<0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Trichloroethene	ug/g	<0.05	0.52	0.03, 0.05	<0.05	<0.05	<0.05	<0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trichlorofluoromethane	ug/g	<0.5	5.8	0.05	<0.05	<0.05	<0.05	<0.5	<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	ug/g	<1	0.022	0.002, 0.02	<0.02	<0.02	<0.02	<0.05	<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

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 5 - Osprey Shores Analytical Chemistry Results: THMs, VOCs in Soil				Sample ID	BH211 SS3	BH212 SS1	BH212 SS4	BH213 SS2	3 SS2-Dup (BH21	BH214 SS2	BH214 SS3	BH215 SS1	BH217 SS1	BH218 SS1	BH219 SS2	BH220 SS1	) SS1-DUP (BH22	BH221 SS1	BH222 SS1	BH223 SS1	3 SS1-DUP (BH22
				Sample Date	2022-Dec-15	2022-Dec-15	2022-Dec-15	2022-Dec-19	2022-Dec-19	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-15	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22	2022-Dec-22
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	1.5 - 2.1	0.0 - 0.6	2.3 - 2.9	0.8 - 1.4	0.8 - 1.4	0.8 - 1.4	1.5 - 2.1	0.0 - 0.6	0.0 - 1.4	0.0 - 1.5	0.8 - 1.4	0.0 - 1.2	0.0 - 1.2	0.0 - 1.5	0.0 - 1.2	0.0 - 0.6	0.0 - 0.6
Trihalomethanes				**Detection Limit**																	
Bromodichloromethane	ug/g	<0.05	13	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	ug/g	<0.05	0.26	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	ug/g	<0.05	0.18	0.04, 0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Dibromochloromethane	ug/g	<0.05	9.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Volatile Organic Compounds																					
Acetone	ug/g	<0.5	28	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	<0.5	<0.5	<0.5	<0.5
Bromomethane	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	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon tetrachloride	ug/g	4859.5	0.12	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	ug/g	<0.05	2.7	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,2-	ug/g	<1	4.3	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	ug/g	<1	6	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,4-	ug/g	<1	0.097	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	ug/g	<0.5	25	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,1-	ug/g	<0.05	11	0.02, 0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dichloroethane, 1,2-	ug/g	<0.05	0.05	0.03, 0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dichloroethene, 1,1-	ug/g	<0.5	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethene, cis-1,2-	ug/g	<0.05	30	0.02, 0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dichloroethene, trans-1,2-	ug/g	1.93	0.75	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	ug/g	<0.05	0.085	0.03, 0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dichloropropene, 1,3-	ug/g	<0.1	0.083	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, cis-1,3-	ug/g	<0.05	-	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	ug/g	<0.05	-	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene dibromide	ug/g	<0.05	0.05	0.04, 0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Hexane, n-	ug/g	0.6	34	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone (MEK)	ug/g	<0.5	44	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	<0.5	<0.5	<0.5	<0.5
Methyl Isobutyl Ketone (MIBK)	ug/g	<0.5	4.3	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	<0.5	<0.5	<0.5	<0.5
Methylene chloride	ug/g	<0.05	0.96	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl tert-butyl ether (MTBE)	ug/g	<0.05	1.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	ug/g	<0.05	2.2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	ug/g	<0.05	0.05	0.04, 0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Tetrachloroethane, 1,1,2,2-	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	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethene	ug/g	<1	2.3	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,1-	ug/g	<0.05	3.4	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	ug/g	<0.05	0.05	0.04, 0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Trichloroethene	ug/g	<0.05	0.52	0.03, 0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trichlorofluoromethane	ug/g	<0.5	5.8	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	ug/g	<1	0.022	0.002, 0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 5 - Osprey Shores Analytical Chemistry Results: THMs, VOCs in Soil				Sample ID	BH228 SS1	TP8-1	TP8-3	TP9-2	TP10-2	AQCF12-1 (TP10-	TP10-3	TP11-2	TP225a	TP227a	TP229b	TP230b	TP231b	231b-dup (TP23	TP233a	TP236a
				Sample Date	2022-Dec-22	2012-Nov-27	2012-Nov-27	2012-Nov-27	2012-Nov-28	2012-Nov-28	2012-Nov-28	2012-Nov-28	2022-Dec-13	2022-Dec-14	2022-Dec-14	2022-Dec-14	2022-Dec-13	2022-Dec-13	2022-Dec-14	2022-Dec-13
Parameter	Units	Max Concentratio	MECP-2011-S-T7-RPI-	Sample Depth	0.0 - 0.6	0.0 - 0.6	1.5 - 2.8	0.4 - 2.8	1.3 - 1.5	1.3 - 1.5	1.5 - 2.5	1.4 - 1.9	0.1 - 1.0	0.0 - 0.9	1.0 - 2.0	1.1 - 2.2	1.2 - 2.2	1.2 - 2.2	0.0 - 1.1	0.1 - 1.1
Trihalomethanes				Detection Limit																
Bromodichloromethane	ug/g	<0.05	13	0.05	<0.05	<0.02	0.02	<0.02	<0.02	-	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	ug/g	<0.05	0.26	0.05	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	ug/g	<0.05	0.18	0.04, 0.05	<0.04	-	-	-	-	-	-	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Dibromochloromethane	ug/g	<0.05	9.4	0.05	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Volatile Organic Compounds																				
Acetone	ug/g	<0.5	28	0.5	<0.5	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	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
Carbon tetrachloride	ug/g	4859.5	0.12	0.05	<0.05	<0.2	4859.5	<0.2	<0.2	-	<0.2	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	ug/g	<0.05	2.7	0.05	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,2-	ug/g	<1	4.3	0.05	<0.05	-	-	-	-	<1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	ug/g	<1	6	0.05	<0.05	-	-	-	<1	<1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,4-	ug/g	<1	0.097	0.05	<0.05	-	-	-	-	<1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	ug/g	<0.5	25	0.05	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,1-	ug/g	<0.05	11	0.02, 0.05	<0.02	-	-	-	-	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dichloroethane, 1,2-	ug/g	<0.05	0.05	0.03, 0.05	<0.03	-	-	-	-	-	-	-	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dichloroethene, 1,1-	ug/g	<0.5	0.05	0.05	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethene, cis-1,2-	ug/g	<0.05	30	0.02, 0.05	<0.02	-	-	-	-	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dichloroethene, trans-1,2-	ug/g	1.93	0.75	0.05	<0.05	<0.05	1.93	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	ug/g	<0.05	0.085	0.03, 0.05	<0.03	-	-	-	-	-	-	-	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dichloropropene, 1,3-	ug/g	<0.1	0.083	0.05	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, cis-1,3-	ug/g	<0.05	-	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	ug/g	<0.05	-	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene dibromide	ug/g	<0.05	0.05	0.04, 0.05	<0.04	-	-	-	-	-	-	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Hexane, n-	ug/g	0.6	34	0.05	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone (MEK)	ug/g	<0.5	44	0.5	<0.5	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Isobutyl Ketone (MIBK)	ug/g	<0.5	4.3	0.5	<0.5	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride	ug/g	<0.05	0.96	0.05	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl tert-butyl ether (MTBE)	ug/g	<0.05	1.4	0.05	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	ug/g	<0.05	2.2	0.05	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	ug/g	<0.05	0.05	0.04, 0.05	<0.04	-	-	-	-	-	-	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Tetrachloroethane, 1,1,2,2-	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
Tetrachloroethene	ug/g	<1	2.3	0.05	<0.05	-	-	-	<1	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,1-	ug/g	<0.05	3.4	0.05	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	ug/g	<0.05	0.05	0.04, 0.05	<0.04	-	-	-	-	-	-	-	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Trichloroethene	ug/g	<0.05	0.52	0.03, 0.05	<0.03	-	-	-	-	-	-	-	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trichlorofluoromethane	ug/g	<0.5	5.8	0.05	<0.05	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	ug/g	<1	0.022	0.002, 0.02	<0.02	-	-	-	<1	-	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-S-T7-RPI-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Soil) Residential/Parkland/Institutional Use with Fine/Medium-Textured soils

Table 6 - Osprey Shores Analytical Chemistry Results: ABNs, PAHs in Groundwater				Sample ID	MW22-11	Trip Blank 2-12 (MW22)	MW22-22	MW23-22	MW23 (DUP2-22) (MW23)	MW24-11	Trip Blank 1-12 (MW24)	MW24-12	MW24.1-12 (MW24)	MW24-22	MW25-12	MW25-22	MW26-22	MW50-22
				Sample Date	2011-Aug-18	2012-Apr-30	2022-Jul-12	2022-Jul-14	2022-Jul-14	2011-Aug-18	2012-Apr-30	2012-May-01	2012-May-01	2022-Jul-12	2012-May-01	2022-Jul-12	2022-Jul-14	2022-Jul-13
Parameter	**Units**	**Max Concentratio**	**MECP-2011-GW-T7-FMT**	**Sample Depth**	**1.7 - 4.7**	**1.7 - 4.7**	**1.7 - 4.7**	**1.2 - 3.4**	**1.2 - 3.4**	**1.5 - 4.5**	**1.5 - 4.5**	**1.5 - 4.5**	**1.5 - 4.5**	**1.5 - 4.5**	**4.7 - 7.7**	**4.7 - 7.7**	**1.5 - 4.5**	**2.4 - 5.4**
Acids, Bases, Neutrals				**Detection Limit**														
Biphenyl, 1,1-	µg/L	4.55	1700	0.5	-	-	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5
Bis(2-chloro-1-methylethyl)ether	µg/L	4.01	20000	0.5	-	-	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5
Bis(2-chloroethyl)ether	µg/L	<0.5	240000	0.5	-	-	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5
Bis(2-ethylhexyl)phthalate	µg/L	3.08	30	0.5	-	-	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5
Chloroaniline, p-	µg/L	<1	320	1	-	-	<1	<1	<1	-	-	-	-	<1	-	<1	<1	<1
Dichlorobenzidine, 3,3-	µg/L	<0.5	500	0.5	-	-	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5
Diethyl phthalate	µg/L	<0.5	30	0.5	-	-	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5
Dimethylphenol, 2,4-	µg/L	5.07	31000	0.5	-	-	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5
Dimethyl phthalate	µg/L	<0.5	30	0.5	-	-	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5
Dinitrophenol, 2,4-	µg/L	<10	9000	10	-	-	<10	<10	<10	-	-	-	-	<10	-	<10	<10	<10
Dinitrotoluene, 2,4+2,6-	µg/L	<0.5	2300	0.5	-	-	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5
Phenol	µg/L	<1	9600	1	-	-	<1	<1	<1	-	-	-	-	<1	-	<1	<1	<1
Trichlorobenzene, 1,2,4-	µg/L	1.2	3	0.5	-	-	<0.5	<0.5	<0.5	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5
Polycyclic Aromatic Hydrocarbons																		
Acenaphthene	µg/L	0.87	17	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	0.47	0.38	<0.2	<0.02	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.2	1	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	<0.02	<0.02	<0.2	<0.02	<0.2	<0.2	<0.2
Anthracene	µg/L	2.43	1	0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	0.07	0.06	<0.1	<0.01	<0.1	<0.1	<0.1
Benzo[a]anthracene	µg/L	5.64	1.8	0.2	<0.2	<0.01	<0.2	<0.2	<0.2	<0.2	<0.01	0.04	0.04	<0.2	<0.01	<0.2	<0.2	<0.2
Benzo[a]pyrene	µg/L	6.65	0.81	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	<0.01	0.03	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[b]fluoranthene	µg/L	9.68	0.75	0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	0.03	0.02	<0.1	<0.02	<0.1	<0.1	<0.1
Benzo[g,h,i]perylene	µg/L	4.34	0.2	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	<0.02	<0.02	<0.2	<0.02	<0.2	<0.2	<0.2
Benzo[k]fluoranthene	µg/L	5.36	0.4	0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	0.02	<0.02	<0.1	<0.02	<0.1	<0.1	<0.1
Chrysene	µg/L	5.85	0.7	0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	0.05	0.05	<0.1	<0.02	<0.1	<0.1	<0.1
Dibenzo[a,h]anthracene	µg/L	0.57	0.4	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	<0.02	<0.02	<0.2	<0.02	<0.2	<0.2	<0.2
Fluoranthene	µg/L	20.6	44	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	0.05	0.05	<0.2	<0.02	<0.2	<0.2	<0.2
Fluorene	µg/L	0.84	290	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	0.05	0.04	<0.2	<0.02	<0.2	<0.2	<0.2
Indeno[1,2,3-cd]pyrene	µg/L	2.89	0.2	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	<0.02	<0.02	<0.2	<0.02	<0.2	<0.2	<0.2
Methylnaphthalene, 1+2-	µg/L	1.9	1500	0.02, 0.2	<0.4	-	<0.2	<0.2	<0.2	1.9	<0.04	0.44	0.34	<0.2	<0.04	<0.2	<0.2	<0.2
Methylnaphthalene, 1-	µg/L	0.9	1500	0.02	<0.2	<0.02	-	-	-	0.9	<0.02	0.21	0.17	-	<0.02	-	-	-
Methylnaphthalene, 2-	µg/L	1	1500	0.02	<0.2	<0.02	-	-	-	1	<0.02	0.23	0.17	-	<0.02	-	-	-
Naphthalene	µg/L	117	7	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	0.5	<0.02	0.16	0.13	<0.2	<0.02	<0.2	<0.2	<0.2
Phenanthrene	µg/L	11.2	380	0.1	<0.1	<0.02	<0.1	<0.1	<0.1	0.4	<0.02	0.14	0.11	<0.1	<0.02	<0.1	<0.1	<0.1
Pyrene	µg/L	16.5	5.7	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	0.06	0.06	<0.2	<0.02	<0.2	<0.2	<0.2

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 6 - Osprey Shores Analytical Chemistry Results: ABNs, PAHs in Groundwater				Sample ID	MW78-22	MW79-12	MW79-22	MW80-22	MW81-22	MW82-11	MW82-12	MW82-22	MW84-22	MW121	MW128R	MW130-22	MW146-12	MW146-22	MW148-11	MW148-12	MW148-22
				Sample Date	2022-Jul-12	2012-May-01	2022-Jul-14	2022-Jul-12	2022-Jul-14	2011-Aug-17	2012-May-01	2022-Jul-12	2022-Jul-13	2023-Jan-19	2023-Jan-19	2022-Jul-13	2012-May-01	2022-Jul-12	2011-Aug-18	2012-May-01	2022-Jul-13
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	2.7 - 5.6	1.9 - 4.9	1.9 - 4.9	2.4 - 3.8	1.7 - 4.7	0.9 - 2.4	0.9 - 2.4	0.9 - 2.4	3.7 - 6.6	1.5 - 3.6	1.6 - 3.7	2.1 - 5.1	1.2 - 3.0	1.2 - 3.0	1.2 - 3.0	1.2 - 3.0	1.2 - 3.0
Acids, Bases, Neutrals				**Detection Limit**																	
Biphenyl, 1,1-	µg/L	4.55	1700	0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	<0.5
Bis(2-chloro-1-methylethyl)ether	µg/L	4.01	20000	0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	<0.5
Bis(2-chloroethyl)ether	µg/L	<0.5	240000	0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	<0.5
Bis(2-ethylhexyl)phthalate	µg/L	3.08	30	0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	<0.5
Chloroaniline, p-	µg/L	<1	320	1	<1	-	<1	<1	<1	-	-	<1	<1	<1	<1	<1	-	<1	-	-	<1
Dichlorobenzidine, 3,3-	µg/L	<0.5	500	0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	<0.5
Diethyl phthalate	µg/L	<0.5	30	0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	<0.5
Dimethylphenol, 2,4-	µg/L	5.07	31000	0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	<0.5
Dimethyl phthalate	µg/L	<0.5	30	0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	<0.5
Dinitrophenol, 2,4-	µg/L	<10	9000	10	<10	-	<10	<10	<10	-	-	<10	<10	<10	<10	<10	-	<10	-	-	<10
Dinitrotoluene, 2,4+2,6-	µg/L	<0.5	2300	0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	<0.5
Phenol	µg/L	<1	9600	1	<1	-	<1	<1	<1	-	-	<1	<1	<1	<1	<1	-	<1	-	-	<1
Trichlorobenzene, 1,2,4-	µg/L	1.2	3	0.5	<0.5	-	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	1.2
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	µg/L	0.87	17	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.02	<0.2
Acenaphthylene	µg/L	<0.2	1	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.02	<0.2
Anthracene	µg/L	2.43	1	0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.01	<0.1
Benzo[a]anthracene	µg/L	5.64	1.8	0.2	<0.2	0.02	<0.2	<0.2	<0.2	<0.2	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.01	<0.2	<0.2	<0.01	<0.2
Benzo[a]pyrene	µg/L	6.65	0.81	0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[b]fluoranthene	µg/L	9.68	0.75	0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1	<0.02	<0.1	<0.1	<0.02	<0.1
Benzo[g,h,i]perylene	µg/L	4.34	0.2	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.02	<0.2
Benzo[k]fluoranthene	µg/L	5.36	0.4	0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1	<0.02	<0.1	<0.1	<0.02	<0.1
Chrysene	µg/L	5.85	0.7	0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1	<0.02	<0.1	<0.1	<0.02	<0.1
Dibenzo[a,h]anthracene	µg/L	0.57	0.4	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.02	<0.2
Fluoranthene	µg/L	20.6	44	0.2	<0.2	0.03	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.02	<0.2
Fluorene	µg/L	0.84	290	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.02	<0.2
Indeno[1,2,3-cd]pyrene	µg/L	2.89	0.2	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.02	<0.2
Methylnaphthalene, 1+2-	µg/L	1.9	1500	0.02, 0.2	<0.2	<0.04	<0.2	<0.2	<0.2	<0.4	<0.04	<0.2	<0.2	<0.2	<0.2	<0.2	<0.04	<0.2	0.5	0.19	0.99
Methylnaphthalene, 1-	µg/L	0.9	1500	0.02	-	<0.02	-	-	-	<0.2	<0.02	-	-	-	-	-	<0.02	-	0.3	0.14	-
Methylnaphthalene, 2-	µg/L	1	1500	0.02	-	<0.02	-	-	-	<0.2	<0.02	-	-	-	-	-	<0.02	-	<0.2	0.05	-
Naphthalene	µg/L	117	7	0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	91.7	51.2	117
Phenanthrene	µg/L	11.2	380	0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1	<0.02	<0.1	<0.1	<0.02	0.31
Pyrene	µg/L	16.5	5.7	0.2	<0.2	0.03	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.02	<0.2	<0.2	<0.02	<0.2

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 6 - Osprey Shores Analytical Chemistry Results: ABNs, PAHs in Groundwater				Sample ID	MW149-22	MW151-22	MW151 (DUP1-22) (MW151)	MW152-22	MW156-22	MW201	GW-Dup1 (MW201)	MW202	MW203	MW204	MW205	Field Blank (MW205)	MW206	MW207	MW208
				Sample Date	2022-Jul-13	2022-Jul-13	2022-Jul-13	2022-Jul-12	2022-Jul-13	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	1.1 - 2.2	1.6 - 4.5	1.6 - 4.5	2.1 - 5.1	2.0 - 5.0	5.4 - 8.4	5.4 - 8.4	2.3 - 5.2	3.3 - 6.0	1.7 - 4.7	4.6 - 7.6	4.6 - 7.6	5.2 - 8.2	8.3 - 11.3	4.9 - 7.9
Acids, Bases, Neutrals				**Detection Limit**															
Biphenyl, 1,1-	µg/L	4.55	1700	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
Bis(2-chloro-1-methylethyl)ether	µg/L	4.01	20000	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
Bis(2-chloroethyl)ether	µg/L	<0.5	240000	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
Bis(2-ethylhexyl)phthalate	µg/L	3.08	30	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	3.08
Chloroaniline, p-	µg/L	<1	320	1	<1	<1	<1	<1	<1	-	-	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorobenzidine, 3,3-	µg/L	<0.5	500	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
Diethyl phthalate	µg/L	<0.5	30	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
Dimethylphenol, 2,4-	µg/L	5.07	31000	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	5.07
Dimethyl phthalate	µg/L	<0.5	30	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
Dinitrophenol, 2,4-	µg/L	<10	9000	10	<10	<10	<10	<10	<10	-	-	<10	<10	<10	<10	<10	<10	<10	<10
Dinitrotoluene, 2,4+2,6-	µg/L	<0.5	2300	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
Phenol	µg/L	<1	9600	1	<1	<1	<1	<1	<1	-	-	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorobenzene, 1,2,4-	µg/L	1.2	3	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
Polycyclic Aromatic Hydrocarbons																			
Acenaphthene	µg/L	0.87	17	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.2	1	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Anthracene	µg/L	2.43	1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[a]anthracene	µg/L	5.64	1.8	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[a]pyrene	µg/L	6.65	0.81	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[b]fluoranthene	µg/L	9.68	0.75	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[g,h,i]perylene	µg/L	4.34	0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo[k]fluoranthene	µg/L	5.36	0.4	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	5.85	0.7	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo[a,h]anthracene	µg/L	0.57	0.4	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Fluoranthene	µg/L	20.6	44	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Fluorene	µg/L	0.84	290	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Indeno[1,2,3-cd]pyrene	µg/L	2.89	0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylnaphthalene, 1+2-	µg/L	1.9	1500	0.02, 0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylnaphthalene, 1-	µg/L	0.9	1500	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	1	1500	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	117	7	0.2	2.97	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	29.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenanthrene	µg/L	11.2	380	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	16.5	5.7	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 6 - Osprey Shores Analytical Chemistry Results: ABNs, PAHs in Groundwater				Sample ID	MW209	MW210	MW211	MW212	MW213	GW-Dup3 (MW213)	Trip Blank (MW214)	MW214	MW215	W-Dup2 (MW21	MW217	MW218	MW219	MW220	MW221	MW222
				Sample Date	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-24	2023-Jan-24	2023-Jan-23	2023-Jan-23	2023-Jan-24	2023-Jan-24	2023-Jan-25	2023-Jan-25	2023-Jan-24	2023-Jan-24
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	0.6 - 3.6	0.3 - 3.3	0.6 - 3.6	1.2 - 2.7	0.7 - 3.7	0.7 - 3.7	1.2 - 3.6	1.2 - 3.6	1.6 - 4.5	1.6 - 4.5	1.7 - 4.7	1.0 - 2.4	1.0 - 3.9	1.0 - 2.5	1.0 - 2.5	1.1 - 2.6
Acids, Bases, Neutrals				**Detection Limit**																
Biphenyl, 1,1-	µg/L	4.55	1700	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	<0.5	4.55	-
Bis(2-chloro-1-methylethyl)ether	µg/L	4.01	20000	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	<0.5	4.01	-
Bis(2-chloroethyl)ether	µg/L	<0.5	240000	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	<0.5	<0.5	-
Bis(2-ethylhexyl)phthalate	µg/L	3.08	30	0.5	1.09	0.78	0.86	<0.5	0.86	1.14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-
Chloroaniline, p-	µg/L	<1	320	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
Dichlorobenzidine, 3,3-	µg/L	<0.5	500	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	<0.5	<0.5	-
Diethyl phthalate	µg/L	<0.5	30	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	<0.5	<0.5	-
Dimethylphenol, 2,4-	µg/L	5.07	31000	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	<0.5	<0.5	-
Dimethyl phthalate	µg/L	<0.5	30	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	<0.5	<0.5	-
Dinitrophenol, 2,4-	µg/L	<10	9000	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-
Dinitrotoluene, 2,4+2,6-	µg/L	<0.5	2300	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	<0.5	<0.5	-
Phenol	µg/L	<1	9600	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
Trichlorobenzene, 1,2,4-	µg/L	1.2	3	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	<0.5	<0.5	-
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	µg/L	0.87	17	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.87	<0.2	<0.2
Acenaphthylene	µg/L	<0.2	1	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Anthracene	µg/L	2.43	1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.43	<0.1	<0.1
Benzo[a]anthracene	µg/L	5.64	1.8	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	5.64	<0.2	<0.2
Benzo[a]pyrene	µg/L	6.65	0.81	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	6.65	<0.01	<0.01
Benzo[b]fluoranthene	µg/L	9.68	0.75	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	9.68	<0.1	<0.1
Benzo[g,h,i]perylene	µg/L	4.34	0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.63	<0.2	<0.2	<0.2	<0.2	4.34	<0.2	<0.2
Benzo[k]fluoranthene	µg/L	5.36	0.4	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	5.36	<0.1	<0.1
Chrysene	µg/L	5.85	0.7	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	5.85	<0.1	<0.1
Dibenzo[a,h]anthracene	µg/L	0.57	0.4	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.57	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Fluoranthene	µg/L	20.6	44	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	20.6	<0.2	<0.2
Fluorene	µg/L	0.84	290	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.84	<0.2	<0.2
Indeno[1,2,3-cd]pyrene	µg/L	2.89	0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	<0.2	<0.2	<0.2	<0.2	2.89	<0.2	<0.2
Methylnaphthalene, 1+2-	µg/L	1.9	1500	0.02, 0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methylnaphthalene, 1-	µg/L	0.9	1500	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	1	1500	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	117	7	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Phenanthrene	µg/L	11.2	380	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	11.2	<0.1	<0.1
Pyrene	µg/L	16.5	5.7	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	16.5	<0.2	<0.2

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 6 - Osprey Shores Analytical Chemistry Results: ABNs, PAHs in Groundwater				Sample ID	MW223	MW224	MW228
				Sample Date	2023-Jan-24	2023-Jan-25	2023-Jan-23
Parameter	**Units**	**Max Concentratio**	**MECP-2011-GW-T7-FMT**	**Sample Depth**	**1.5 - 3.0**	**1.3 - 4.3**	**1.2 - 4.2**
Acids, Bases, Neutrals				**Detection Limit**			
Biphenyl, 1,1-	µg/L	4.55	1700	0.5	<0.5	-	<0.5
Bis(2-chloro-1-methylethyl)ether	µg/L	4.01	20000	0.5	<0.5	-	<0.5
Bis(2-chloroethyl)ether	µg/L	<0.5	240000	0.5	<0.5	-	<0.5
Bis(2-ethylhexyl)phthalate	µg/L	3.08	30	0.5	<0.5	-	<0.5
Chloroaniline, p-	µg/L	<1	320	1	<1	-	<1
Dichlorobenzidine, 3,3-	µg/L	<0.5	500	0.5	<0.5	-	<0.5
Diethyl phthalate	µg/L	<0.5	30	0.5	<0.5	-	<0.5
Dimethylphenol, 2,4-	µg/L	5.07	31000	0.5	<0.5	-	<0.5
Dimethyl phthalate	µg/L	<0.5	30	0.5	<0.5	-	<0.5
Dinitrophenol, 2,4-	µg/L	<10	9000	10	<10	-	<10
Dinitrotoluene, 2,4+2,6-	µg/L	<0.5	2300	0.5	<0.5	-	<0.5
Phenol	µg/L	<1	9600	1	<1	-	<1
Trichlorobenzene, 1,2,4-	µg/L	1.2	3	0.5	<0.5	-	<0.5
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	µg/L	0.87	17	0.2	<0.2	<0.2	<0.2
Acenaphthylene	µg/L	<0.2	1	0.2	<0.2	<0.2	<0.2
Anthracene	µg/L	2.43	1	0.1	<0.1	<0.1	<0.1
Benzo[a]anthracene	µg/L	5.64	1.8	0.2	0.46	<0.2	<0.2
Benzo[a]pyrene	µg/L	6.65	0.81	0.01	<0.01	<0.01	<0.01
Benzo[b]fluoranthene	µg/L	9.68	0.75	0.1	<0.1	<0.1	<0.1
Benzo[g,h,i]perylene	µg/L	4.34	0.2	0.2	<0.2	<0.2	<0.2
Benzo[k]fluoranthene	µg/L	5.36	0.4	0.1	<0.1	<0.1	<0.1
Chrysene	µg/L	5.85	0.7	0.1	0.53	<0.1	<0.1
Dibenzo[a,h]anthracene	µg/L	0.57	0.4	0.2	<0.2	<0.2	<0.2
Fluoranthene	µg/L	20.6	44	0.2	1.49	<0.2	<0.2
Fluorene	µg/L	0.84	290	0.2	<0.2	<0.2	<0.2
Indeno[1,2,3-cd]pyrene	µg/L	2.89	0.2	0.2	<0.2	<0.2	<0.2
Methylnaphthalene, 1+2-	µg/L	1.9	1500	0.02, 0.2	<0.2	<0.2	<0.2
Methylnaphthalene, 1-	µg/L	0.9	1500	0.02	-	-	-
Methylnaphthalene, 2-	µg/L	1	1500	0.02	-	-	-
Naphthalene	µg/L	117	7	0.2	<0.2	<0.2	<0.2
Phenanthrene	µg/L	11.2	380	0.1	0.81	<0.1	<0.1
Pyrene	µg/L	16.5	5.7	0.2	1.28	<0.2	<0.2

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 7 - Osprey Shores Analytical Chemistry Results: CPs, THMs, VOCs in Groundwater				Sample ID	MW22-11	Trip Blank 2-12 (MW22)	MW22-12	MW22-22	MW23-11	MW23-22	MW23 (DUP2-22) (MW23)	MW24-11	Trip Blank 1-12 (MW24)	MW24-12	MW24.1-12 (MW24)	MW24-22	MW25-11	MW25-12	MW25-22
				Sample Date	2011-Aug-18	2012-Apr-30	2012-May-01	2022-Jul-12	2011-Aug-18	2022-Jul-14	2022-Jul-14	2011-Aug-18	2012-Apr-30	2012-May-01	2012-May-01	2022-Jul-12	2011-Aug-17	2012-May-01	2022-Jul-12
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	1.7 - 4.7	1.7 - 4.7	1.7 - 4.7	1.7 - 4.7	1.2 - 3.4	1.2 - 3.4	1.2 - 3.4	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	4.7 - 7.7	4.7 - 7.7	4.7 - 7.7
Chlorophenols				**Detection Limit**															
Chlorophenol, 2-	µg/L	<0.5	2600	0.5	-	-	-	<0.5	-	<0.5	<0.5	-	-	-	-	<0.5	-	-	<0.5
Dichlorophenol, 2,4-	µg/L	<0.3	3700	0.3	-	-	-	<0.3	-	<0.3	<0.3	-	-	-	-	<0.3	-	-	<0.3
Pentachlorophenol	µg/L	<0.5	50	0.5	-	-	-	<0.5	-	<0.5	<0.5	-	-	-	-	<0.5	-	-	<0.5
Trichlorophenol, 2,4,5-	µg/L	<0.2	1300	0.2	-	-	-	<0.2	-	<0.2	<0.2	-	-	-	-	<0.2	-	-	<0.2
Trichlorophenol, 2,4,6-	µg/L	0.99	180	0.2	-	-	-	<0.2	-	<0.2	<0.2	-	-	-	-	<0.2	-	-	<0.2
Trihalomethanes																			
Bromodichloromethane	µg/L	<300	67000	0.2, 2	<0.1	<0.3	<0.6	<0.2	<0.1	<0.2	<0.2	<0.1	<0.3	<0.3	<0.3	<0.2	<0.1	<0.3	<0.2
Bromoform	µg/L	<400	5	0.1, 1	<0.2	<0.4	<0.8	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.4	<0.4	<0.1	<0.2	<0.4	<0.1
Chloroform	µg/L	<500	2	0.2, 2	<0.1	<0.5	<1	<0.2	<0.1	<0.2	<0.2	<0.1	<0.5	<0.5	<0.5	<0.2	<0.1	<0.5	<0.2
Dibromochloromethane	µg/L	<300	65000	0.1, 1	<0.2	<0.3	<0.6	<0.1	<0.2	<0.1	<0.1	<0.2	<0.3	<0.3	<0.3	<0.1	<0.2	<0.3	<0.1
Volatile Organic Compounds																			
Acetone	µg/L	<50	100000	1, 10	<10	-	-	<1	<10	<1	<1	<11	-	-	-	<1	19	-	<1
Bromomethane	µg/L	<500	0.89	0.2, 2	<0.5	<0.5	<1	<0.2	<0.5	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	<0.5	<0.2
Carbon tetrachloride	µg/L	<200	0.2	0.2, 2	<0.1	<0.2	<0.4	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2
Chlorobenzene	µg/L	7.36	140	0.1, 1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	0.4	-	-	-	0.99	<0.1	-	<0.1
Dichlorobenzene, 1,2-	µg/L	<400	150	0.1, 1	<0.2	<0.4	<0.8	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.4	<0.4	<0.1	<0.2	<0.4	<0.1
Dichlorobenzene, 1,3-	µg/L	<400	7600	0.1, 1	<0.2	<0.4	<0.8	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.4	<0.4	<0.1	<0.2	<0.4	<0.1
Dichlorobenzene, 1,4-	µg/L	<400	0.5	0.1, 1	<0.2	<0.4	<0.8	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.4	<0.4	<0.1	<0.2	<0.4	<0.1
Dichlorodifluoromethane	µg/L	<500	3500	0.4, 4	<0.5	<0.5	<1	<0.4	<0.5	<0.4	<0.4	<0.5	<0.5	<0.5	<0.5	<0.4	<0.5	<0.5	<0.4
Dichloroethane, 1,1-	µg/L	<400	11	0.3, 3	<0.1	<0.4	<0.8	<0.3	<0.1	<0.3	<0.3	<0.1	<0.4	0.4	0.5	<0.3	<0.1	<0.4	<0.3
Dichloroethane, 1,2-	µg/L	<200	0.5	0.2, 2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichloroethene, 1,1-	µg/L	<500	0.5	0.3, 3	<0.1	<0.5	<1	<0.3	<0.1	<0.3	<0.3	0.6	<0.5	<0.5	<0.5	<0.3	<0.1	<0.5	<0.3
Dichloroethene, cis-1,2-	µg/L	<400	1.6	0.2, 2	0.1	<0.4	<0.8	<0.2	<0.1	<0.2	<0.2	<0.1	<0.4	<0.4	<0.4	<0.2	<0.1	<0.4	<0.2
Dichloroethene, trans-1,2-	µg/L	<400	1.6	0.2, 2	<0.1	<0.4	<0.8	<0.2	<0.1	<0.2	<0.2	<0.1	<0.4	<0.4	<0.4	<0.2	<0.1	<0.4	<0.2
Dichloropropane, 1,2-	µg/L	<500	0.58	0.2, 2	<0.1	<0.5	<1	<0.2	<0.1	<0.2	<0.2	<0.1	<0.5	<0.5	<0.5	<0.2	<0.1	<0.5	<0.2
Dichloropropene, 1,3-	µg/L	<400	0.5	0.2, 0.3	<0.4	-	<0.8	<0.3	<0.4	<0.3	<0.3	<0.4	<0.4	<0.4	<0.4	<0.3	<0.4	<0.4	<0.3
Dichloropropene, cis-1,3-	µg/L	<200	-	0.2	<0.2	<0.2	<0.4	-	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	-
Dichloropropene, trans-1,3-	µg/L	<200	-	0.2	<0.2	<0.2	<0.4	-	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	-
Ethylene dibromide	µg/L	<200	0.2	0.1, 0.2, 1	<0.2	<0.2	<0.4	<0.1	<0.2	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.1
Hexane, n-	µg/L	<5	5	0.2, 2	<0.5	-	-	<0.2	<0.5	<0.2	<0.2	<0.5	-	-	-	<0.2	<0.5	-	<0.2
Methyl Ethyl Ketone (MEK)	µg/L	11	21000	1, 10	11	-	-	<1	<5	<1	<1	<5	-	-	-	<1	<5	-	<1
Methyl Isobutyl Ketone (MIBK)	µg/L	<10	5200	1, 10	<5	-	-	<1	<5	<1	<1	<5	-	-	-	<1	<5	-	<1
Methylene chloride	µg/L	<4000	26	0.3, 3	-	<4	<8	<0.3	-	<0.3	<0.3	-	<4	<4	<4	<0.3	-	<4	<0.3
Methyl tert-butyl ether (MTBE)	µg/L	<10	15	0.2, 2	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	<0.2	<0.2	-	<0.2
Styrene	µg/L	<500	43	0.1, 1	<0.2	<0.5	<1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.5	<0.5	<0.5	<0.1	<0.2	<0.5	<0.1
Tetrachloroethane, 1,1,1,2-	µg/L	<500	1.1	0.1, 1	<0.1	<0.5	<1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.1
Tetrachloroethane, 1,1,2,2-	µg/L	<500	0.5	0.1, 1	<0.2	<0.5	<1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.5	<0.5	<0.5	<0.1	<0.2	<0.5	<0.1
Tetrachloroethene	µg/L	<300	0.5	0.2, 2	<0.1	<0.3	<0.6	<0.2	<0.1	<0.2	<0.2	<0.1	<0.3	<0.3	<0.3	<0.2	<0.1	<0.3	<0.2
Trichloroethane, 1,1,1-	µg/L	<400	23	0.1, 0.3, 3	<0.1	<0.4	<0.8	<0.3	<0.1	<0.3	<0.3	<0.1	<0.4	<0.4	<0.4	<0.3	<0.1	<0.4	<0.3
Trichloroethane, 1,1,2-	µg/L	<400	0.5	0.2, 2	<0.2	<0.4	<0.8	<0.2	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<0.4	<0.2	<0.2	<0.4	<0.2
Trichloroethene	µg/L	<300	0.5	0.2, 2	<0.1	<0.3	<0.6	<0.2	<0.1	<0.2	<0.2	<0.1	<0.3	<0.3	<0.3	<0.2	<0.1	<0.3	<0.2
Trichlorofluoromethane	µg/L	<500	2000	0.4, 4	<0.2	<0.5	<1	<0.4	<0.2	<0.4	<0.4	<0.2	<0.5	<0.5	<0.5	<0.4	<0.2	<0.5	<0.4
Vinyl Chloride	µg/L	<200	0.5	0.17, 0.2, 1.7	<0.2	<0.2	<0.4	<0.17	<0.2	<0.17	<0.17	<0.2	<0.2	<0.2	<0.2	<0.17	<0.2	<0.2	<0.17

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 7 - Osprey Shores Analytical Chemistry Results: CPs, THMs, VOCs in Groundwater				Sample ID	MW26-11	MW26.1-11 (MW26)	MW26-22	MW50-11	MW50-22	MW78-11	MW78-12	MW78-22	MW79-11	MW79-22	MW80-11	MW80-22	MW81-11	MW81-22	MW82-11	MW82-22	MW84-11
				Sample Date	2011-Aug-17	2011-Aug-17	2022-Jul-14	2011-Aug-17	2022-Jul-13	2011-Aug-17	2012-May-01	2022-Jul-12	2011-Aug-17	2022-Jul-14	2011-Aug-17	2022-Jul-12	2011-Aug-17	2022-Jul-14	2011-Aug-17	2022-Jul-12	2011-Aug-17
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	2.4 - 5.4	2.4 - 5.4	2.7 - 5.6	2.7 - 5.6	2.7 - 5.6	1.9 - 4.9	1.9 - 4.9	2.4 - 3.8	2.4 - 3.8	1.7 - 4.7	1.7 - 4.7	0.9 - 2.4	0.9 - 2.4	3.7 - 6.6
Chlorophenols				**Detection Limit**																	
Chlorophenol, 2-	µg/L	<0.5	2600	0.5	-	-	<0.5	-	<0.5	-	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-
Dichlorophenol, 2,4-	µg/L	<0.3	3700	0.3	-	-	<0.3	-	<0.3	-	-	<0.3	-	<0.3	-	<0.3	-	<0.3	-	<0.3	-
Pentachlorophenol	µg/L	<0.5	50	0.5	-	-	<0.5	-	<0.5	-	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-
Trichlorophenol, 2,4,5-	µg/L	<0.2	1300	0.2	-	-	<0.2	-	<0.2	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
Trichlorophenol, 2,4,6-	µg/L	0.99	180	0.2	-	-	<0.2	-	<0.2	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
Trihalomethanes																					
Bromodichloromethane	µg/L	<300	67000	0.2, 2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.3	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1
Bromoform	µg/L	<400	5	0.1, 1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.4	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2
Chloroform	µg/L	<500	2	0.2, 2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.5	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1
Dibromochloromethane	µg/L	<300	65000	0.1, 1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.3	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2
Volatile Organic Compounds																					
Acetone	µg/L	<50	100000	1, 10	<10	<10	<1	<10	<1	<10	-	<1	<10	<1	<10	<1	<10	<1	<10	<1	<10
Bromomethane	µg/L	<500	0.89	0.2, 2	<0.5	<0.5	<0.2	<0.5	<0.2	<0.5	3.8	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5
Carbon tetrachloride	µg/L	<200	0.2	0.2, 2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1
Chlorobenzene	µg/L	7.36	140	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorobenzene, 1,2-	µg/L	<400	150	0.1, 1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.4	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2
Dichlorobenzene, 1,3-	µg/L	<400	7600	0.1, 1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.4	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2
Dichlorobenzene, 1,4-	µg/L	<400	0.5	0.1, 1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.4	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2
Dichlorodifluoromethane	µg/L	<500	3500	0.4, 4	<0.5	<0.5	<0.4	<0.5	<0.4	<0.5	<0.5	<0.4	<0.5	<0.4	<0.5	<0.4	<0.5	<0.4	<0.5	<0.4	<0.5
Dichloroethane, 1,1-	µg/L	<400	11	0.3, 3	<0.1	<0.1	<0.3	<0.1	<0.3	<0.1	<0.4	<0.3	<0.1	<0.3	<0.1	<0.3	<0.1	<0.3	<0.1	<0.3	<0.1
Dichloroethane, 1,2-	µg/L	<200	0.5	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichloroethene, 1,1-	µg/L	<500	0.5	0.3, 3	<0.1	<0.1	<0.3	<0.1	<0.3	<0.1	<0.5	<0.3	<0.1	<0.3	<0.1	<0.3	<0.1	<0.3	<0.1	<0.3	<0.1
Dichloroethene, cis-1,2-	µg/L	<400	1.6	0.2, 2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.4	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1
Dichloroethene, trans-1,2-	µg/L	<400	1.6	0.2, 2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.4	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1
Dichloropropane, 1,2-	µg/L	<500	0.58	0.2, 2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.5	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1
Dichloropropene, 1,3-	µg/L	<400	0.5	0.2, 0.3	<0.4	<0.4	<0.3	<0.4	<0.3	<0.4	<0.4	<0.3	<0.4	<0.3	<0.4	<0.3	<0.4	<0.3	<0.4	<0.3	<0.4
Dichloropropene, cis-1,3-	µg/L	<200	-	0.2	<0.2	<0.2	-	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2
Dichloropropene, trans-1,3-	µg/L	<200	-	0.2	<0.2	<0.2	-	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2
Ethylene dibromide	µg/L	<200	0.2	0.1, 0.2, 1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2
Hexane, n-	µg/L	<5	5	0.2, 2	<0.5	<0.5	<0.2	<0.5	<0.2	<0.5	-	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5
Methyl Ethyl Ketone (MEK)	µg/L	11	21000	1, 10	<5	<5	<1	<5	<1	<5	-	<1	<5	<1	<5	<1	<5	<1	<5	<1	<5
Methyl Isobutyl Ketone (MIBK)	µg/L	<10	5200	1, 10	<5	<5	<1	<5	<1	<5	-	<1	<5	<1	<5	<1	<5	<1	<5	<1	<5
Methylene chloride	µg/L	<4000	26	0.3, 3	-	-	<0.3	-	<0.3	-	<4	<0.3	-	<0.3	-	<0.3	-	<0.3	0.6	<0.3	-
Methyl tert-butyl ether (MTBE)	µg/L	<10	15	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	µg/L	<500	43	0.1, 1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.5	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2
Tetrachloroethane, 1,1,1,2-	µg/L	<500	1.1	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1
Tetrachloroethane, 1,1,2,2-	µg/L	<500	0.5	0.1, 1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.5	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2
Tetrachloroethene	µg/L	<300	0.5	0.2, 2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.3	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1
Trichloroethane, 1,1,1-	µg/L	<400	23	0.1, 0.3, 3	<0.1	<0.1	<0.3	<0.1	<0.3	<0.1	<0.4	<0.3	<0.1	<0.3	<0.1	<0.3	<0.1	<0.3	<0.2	<0.3	<0.1
Trichloroethane, 1,1,2-	µg/L	<400	0.5	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2
Trichloroethene	µg/L	<300	0.5	0.2, 2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.3	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1
Trichlorofluoromethane	µg/L	<500	2000	0.4, 4	<0.2	<0.2	<0.4	<0.2	<0.4	<0.2	<0.5	<0.4	<0.2	<0.4	<0.2	<0.4	<0.2	<0.4	<0.2	<0.4	<0.2
Vinyl Chloride	µg/L	<200	0.5	0.17, 0.2, 1.7	<0.2	<0.2	<0.17	<0.2	<0.17	<0.2	<0.2	<0.17	<0.2	<0.17	<0.2	<0.17	<0.2	<0.17	<0.2	<0.17	<0.2

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 7 - Osprey Shores Analytical Chemistry Results: CPs, THMs, VOCs in Groundwater				Sample ID	MW84-22	MW121-11	MW121	MW128R	MW130-11	MW130-22	MW146-11	MW146-22	MW148-11	MW148-12	MW148-22	MW149-11	MW149-12	MW149-22	MW151-11	MW151.1-11 (MW151)	MW151-22
				Sample Date	2022-Jul-13	2011-Aug-17	2023-Jan-19	2023-Jan-19	2011-Aug-17	2022-Jul-13	2011-Aug-18	2022-Jul-12	2011-Aug-18	2012-May-01	2022-Jul-13	2011-Aug-18	2012-May-01	2022-Jul-13	2011-Aug-18	2011-Aug-18	2022-Jul-13
Parameter	**Units**	**Max Concentratio**	**MECP-2011-GW-T7-FMT**	**Sample Depth**	**3.7 - 6.6**	**1.5 - 3.6**	**1.5 - 3.6**	**1.6 - 3.7**	**2.1 - 5.1**	**2.1 - 5.1**	**1.2 - 3.0**	**1.2 - 3.0**	**1.2 - 3.0**	**1.2 - 3.0**	**1.2 - 3.0**	**1.1 - 2.2**	**1.1 - 2.2**	**1.1 - 2.2**	**1.6 - 4.5**	**1.6 - 4.5**	**1.6 - 4.5**
Chlorophenols				**Detection Limit**																	
Chlorophenol, 2-	µg/L	<0.5	2600	0.5	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	<0.5
Dichlorophenol, 2,4-	µg/L	<0.3	3700	0.3	<0.3	-	<0.3	<0.3	-	<0.3	-	<0.3	-	-	<0.3	-	-	<0.3	-	-	<0.3
Pentachlorophenol	µg/L	<0.5	50	0.5	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	<0.5
Trichlorophenol, 2,4,5-	µg/L	<0.2	1300	0.2	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	-	-	<0.2	-	-	<0.2	-	-	<0.2
Trichlorophenol, 2,4,6-	µg/L	0.99	180	0.2	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	-	-	0.99	-	-	<0.2	-	-	<0.2
Trihalomethanes																					
Bromodichloromethane	µg/L	<300	67000	0.2, 2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<300	<2	<0.1	<0.3	<0.2	<0.1	<0.1	<0.2
Bromoform	µg/L	<400	5	0.1, 1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<400	<1	<0.2	<0.4	<0.1	<0.2	<0.2	<0.1
Chloroform	µg/L	<500	2	0.2, 2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<500	<2	<0.1	<0.5	<0.2	<0.1	<0.1	<0.2
Dibromochloromethane	µg/L	<300	65000	0.1, 1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<300	<1	<0.2	<0.3	<0.1	<0.2	<0.2	<0.1
Volatile Organic Compounds																					
Acetone	µg/L	<50	100000	1, 10	<1	<10	<1	<1	<10	<1	<10	<1	<10	-	<10	21	-	<1	<10	<10	<1
Bromomethane	µg/L	<500	0.89	0.2, 2	<0.2	<0.5	<0.2	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5	<500	<2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.2
Carbon tetrachloride	µg/L	<200	0.2	0.2, 2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<200	<2	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2
Chlorobenzene	µg/L	7.36	140	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<1	<0.1	-	<0.1	<0.1	<0.1	<0.1
Dichlorobenzene, 1,2-	µg/L	<400	150	0.1, 1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<400	<1	<0.2	<0.4	<0.1	<0.2	<0.2	<0.1
Dichlorobenzene, 1,3-	µg/L	<400	7600	0.1, 1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<400	<1	<0.2	<0.4	<0.1	<0.2	<0.2	<0.1
Dichlorobenzene, 1,4-	µg/L	<400	0.5	0.1, 1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<400	<1	<0.2	<0.4	<0.1	<0.2	<0.2	<0.1
Dichlorodifluoromethane	µg/L	<500	3500	0.4, 4	<0.4	<0.5	<0.4	<0.4	<0.5	<0.4	<0.5	<0.4	<0.5	<500	<4	<0.5	<0.5	<0.4	<0.5	<0.5	<0.4
Dichloroethane, 1,1-	µg/L	<400	11	0.3, 3	<0.3	<0.1	<0.3	<0.3	<0.1	<0.3	<0.1	<0.3	<0.1	<400	<3	<0.1	<0.4	<0.3	<0.1	<0.1	<0.3
Dichloroethane, 1,2-	µg/L	<200	0.5	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<200	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichloroethene, 1,1-	µg/L	<500	0.5	0.3, 3	<0.3	<0.1	<0.3	<0.3	<0.1	<0.3	<0.1	<0.3	<0.1	<500	<3	<0.1	<0.5	<0.3	<0.1	<0.1	<0.3
Dichloroethene, cis-1,2-	µg/L	<400	1.6	0.2, 2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	0.4	<0.2	<0.1	<400	<2	<0.1	<0.4	<0.2	<0.1	<0.1	<0.2
Dichloroethene, trans-1,2-	µg/L	<400	1.6	0.2, 2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<400	<2	<0.1	<0.4	<0.2	<0.1	<0.1	<0.2
Dichloropropane, 1,2-	µg/L	<500	0.58	0.2, 2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<500	<2	<0.1	<0.5	<0.2	<0.1	<0.1	<0.2
Dichloropropene, 1,3-	µg/L	<400	0.5	0.2, 0.3	<0.3	<0.4	<0.3	<0.3	<0.4	<0.3	<0.4	<0.3	<0.4	<400	<0.3	<0.4	<0.4	<0.3	<0.4	<0.4	<0.3
Dichloropropene, cis-1,3-	µg/L	<200	-	0.2	-	<0.2	-	-	<0.2	-	<0.2	-	<0.2	<200	-	<0.2	<0.2	-	<0.2	<0.2	-
Dichloropropene, trans-1,3-	µg/L	<200	-	0.2	-	<0.2	-	-	<0.2	-	<0.2	-	<0.2	<200	-	<0.2	<0.2	-	<0.2	<0.2	-
Ethylene dibromide	µg/L	<200	0.2	0.1, 0.2, 1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<200	<1	<0.2	<0.2	<0.1	<0.2	<0.2	<0.1
Hexane, n-	µg/L	<5	5	0.2, 2	<0.2	<0.5	<0.2	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5	-	<2	<0.5	-	<0.2	<0.5	<0.5	<0.2
Methyl Ethyl Ketone (MEK)	µg/L	11	21000	1, 10	<1	<5	<1	<1	<5	<1	<5	<1	<5	-	<10	<5	-	<1	<5	<5	<1
Methyl Isobutyl Ketone (MIBK)	µg/L	<10	5200	1, 10	<1	<5	<1	<1	<5	<1	<5	<1	<5	-	<10	<5	-	<1	<5	<5	<1
Methylene chloride	µg/L	<4000	26	0.3, 3	<0.3	-	<0.3	<0.3	-	<0.3	-	<0.3	-	<4000	<3	-	<4	<0.3	-	-	<0.3
Methyl tert-butyl ether (MTBE)	µg/L	<10	15	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	<2	<0.2	-	<0.2	<0.2	<0.2	<0.2
Styrene	µg/L	<500	43	0.1, 1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<500	<1	<0.2	<0.5	<0.1	<0.2	<0.2	<0.1
Tetrachloroethane, 1,1,1,2-	µg/L	<500	1.1	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<500	<1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1
Tetrachloroethane, 1,1,2,2-	µg/L	<500	0.5	0.1, 1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.2	<0.1	<0.2	<500	<1	<0.2	<0.5	<0.1	<0.2	<0.2	<0.1
Tetrachloroethene	µg/L	<300	0.5	0.2, 2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.2	<0.1	<300	<2	<0.1	<0.3	<0.2	<0.1	<0.1	<0.2
Trichloroethane, 1,1,1-	µg/L	<400	23	0.1, 0.3, 3	<0.3	<0.1	<0.3	<0.3	<0.1	<0.3	<0.1	<0.3	<0.1	<400	<3	<0.1	<0.4	<0.3	<0.1	<0.1	<0.3
Trichloroethane, 1,1,2-	µg/L	<400	0.5	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<400	<2	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2
Trichloroethene	µg/L	<300	0.5	0.2, 2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.2	0.2	<0.2	<0.1	<300	<2	<0.1	<0.3	<0.2	<0.1	<0.1	<0.2
Trichlorofluoromethane	µg/L	<500	2000	0.4, 4	<0.4	<0.2	<0.4	<0.4	<0.2	<0.4	<0.2	<0.4	<0.2	<500	<4	<0.2	<0.5	<0.4	<0.2	<0.2	<0.4
Vinyl Chloride	µg/L	<200	0.5	0.17, 0.2, 1.7	<0.17	<0.2	<0.17	<0.17	<0.2	<0.17	<0.2	<0.17	<0.2	<200	<1.7	<0.2	<0.2	<0.17	<0.2	<0.2	<0.17

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 7 - Osprey Shores Analytical Chemistry Results: CPs, THMs, VOCs in Groundwater				Sample ID	MW151 (DUP1-22) (MW151)	MW152-11	MW152-12	MW152-22	MW156-12	MW156-22	MW201	GW-Dup1 (MW201)	MW202	MW203	MW204	MW205	Field Blank (MW205)	MW206	MW207	MW208
				Sample Date	2022-Jul-13	2011-Aug-17	2012-May-01	2022-Jul-12	2012-Dec-10	2022-Jul-13	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	1.6 - 4.5	2.1 - 5.1	2.1 - 5.1	2.1 - 5.1	2.0 - 5.0	2.0 - 5.0	5.4 - 8.4	5.4 - 8.4	2.3 - 5.2	3.3 - 6.0	1.7 - 4.7	4.6 - 7.6	4.6 - 7.6	5.2 - 8.2	8.3 - 11.3	4.9 - 7.9
Chlorophenols				**Detection Limit**																
Chlorophenol, 2-	µg/L	<0.5	2600	0.5	<0.5	-	-	<0.5	-	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorophenol, 2,4-	µg/L	<0.3	3700	0.3	<0.3	-	-	<0.3	-	<0.3	-	-	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Pentachlorophenol	µg/L	<0.5	50	0.5	<0.5	-	-	<0.5	-	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorophenol, 2,4,5-	µg/L	<0.2	1300	0.2	<0.2	-	-	<0.2	-	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorophenol, 2,4,6-	µg/L	0.99	180	0.2	<0.2	-	-	<0.2	-	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trihalomethanes																				
Bromodichloromethane	µg/L	<300	67000	0.2, 2	<0.2	<0.1	<0.3	<0.2	<0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Bromoform	µg/L	<400	5	0.1, 1	<0.1	<0.2	<0.4	<0.1	<0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1
Chloroform	µg/L	<500	2	0.2, 2	<0.2	<0.1	<0.5	<0.2	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Dibromochloromethane	µg/L	<300	65000	0.1, 1	<0.1	<0.2	<0.3	<0.1	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1
Volatile Organic Compounds																				
Acetone	µg/L	<50	100000	1, 10	<1	<10	-	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10
Bromomethane	µg/L	<500	0.89	0.2, 2	<0.2	<0.5	<0.5	<0.2	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Carbon tetrachloride	µg/L	<200	0.2	0.2, 2	<0.2	<0.1	<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	<2
Chlorobenzene	µg/L	7.36	140	0.1, 1	<0.1	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1
Dichlorobenzene, 1,2-	µg/L	<400	150	0.1, 1	<0.1	<0.2	<0.4	<0.1	<0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1
Dichlorobenzene, 1,3-	µg/L	<400	7600	0.1, 1	<0.1	<0.2	<0.4	<0.1	<0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1
Dichlorobenzene, 1,4-	µg/L	<400	0.5	0.1, 1	<0.1	<0.2	<0.4	<0.1	<0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1
Dichlorodifluoromethane	µg/L	<500	3500	0.4, 4	<0.4	<0.5	<0.5	<0.4	<0.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<4
Dichloroethane, 1,1-	µg/L	<400	11	0.3, 3	<0.3	<0.1	<0.4	<0.3	<0.4	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Dichloroethane, 1,2-	µg/L	<200	0.5	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Dichloroethene, 1,1-	µg/L	<500	0.5	0.3, 3	<0.3	<0.1	<0.5	<0.3	<0.5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Dichloroethene, cis-1,2-	µg/L	<400	1.6	0.2, 2	<0.2	<0.1	<0.4	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Dichloroethene, trans-1,2-	µg/L	<400	1.6	0.2, 2	<0.2	<0.1	<0.4	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Dichloropropane, 1,2-	µg/L	<500	0.58	0.2, 2	<0.2	<0.1	<0.5	<0.2	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Dichloropropene, 1,3-	µg/L	<400	0.5	0.2, 0.3	<0.3	<0.4	<0.4	<0.3	<0.2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dichloropropene, cis-1,3-	µg/L	<200	-	0.2	-	<0.2	<0.2	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	<200	-	0.2	-	<0.2	<0.2	-	<0.2	-	-	-	-	-	-	-	-	-	-	-
Ethylene dibromide	µg/L	<200	0.2	0.1, 0.2, 1	<0.1	<0.2	<0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1
Hexane, n-	µg/L	<5	5	0.2, 2	<0.2	<0.5	-	<0.2	<5	<0.2	<0.2	3.07	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Methyl Ethyl Ketone (MEK)	µg/L	11	21000	1, 10	<1	<5	-	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10
Methyl Isobutyl Ketone (MIBK)	µg/L	<10	5200	1, 10	<1	<5	-	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10
Methylene chloride	µg/L	<4000	26	0.3, 3	<0.3	-	<4	<0.3	-	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Methyl tert-butyl ether (MTBE)	µg/L	<10	15	0.2, 2	<0.2	<0.2	-	<0.2	<10	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Styrene	µg/L	<500	43	0.1, 1	<0.1	<0.2	<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1
Tetrachloroethane, 1,1,1,2-	µg/L	<500	1.1	0.1, 1	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1
Tetrachloroethane, 1,1,2,2-	µg/L	<500	0.5	0.1, 1	<0.1	<0.2	<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1
Tetrachloroethene	µg/L	<300	0.5	0.2, 2	<0.2	3.5	1.1	<0.2	<0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Trichloroethane, 1,1,1-	µg/L	<400	23	0.1, 0.3, 3	<0.3	<0.1	<0.4	<0.3	<0.4	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<3
Trichloroethane, 1,1,2-	µg/L	<400	0.5	0.2, 2	<0.2	<0.2	<0.4	<0.2	<0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Trichloroethene	µg/L	<300	0.5	0.2, 2	<0.2	0.2	<0.3	<0.2	<0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2
Trichlorofluoromethane	µg/L	<500	2000	0.4, 4	<0.4	<0.2	<0.5	<0.4	<0.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<4
Vinyl Chloride	µg/L	<200	0.5	0.17, 0.2, 1.7	<0.17	<0.2	<0.2	<0.17	<0.2	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<1.7

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 7 - Osprey Shores Analytical Chemistry Results: CPs, THMs, VOCs in Groundwater				Sample ID	MW209	MW210	MW211	MW212	MW213	GW-Dup3 (MW213)	Trip Blank (MW214)	MW214	MW215	GW-Dup2 (MW215)	MW217	MW218	MW219	MW220	MW221	MW222
				Sample Date	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-24	2023-Jan-24	2023-Jan-23	2023-Jan-23	2023-Jan-24	2023-Jan-24	2023-Jan-25	2023-Jan-25	2023-Jan-24	2023-Jan-24
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	0.6 - 3.6	0.3 - 3.3	0.6 - 3.6	1.2 - 2.7	0.7 - 3.7	0.7 - 3.7	1.2 - 3.6	1.2 - 3.6	1.6 - 4.5	1.6 - 4.5	1.7 - 4.7	1.0 - 2.4	1.0 - 3.9	1.0 - 2.5	1.0 - 2.5	1.1 - 2.6
Chlorophenols				**Detection Limit**																
Chlorophenol, 2-	µg/L	<0.5	2600	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	<0.5	<0.5	-
Dichlorophenol, 2,4-	µg/L	<0.3	3700	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	-
Pentachlorophenol	µg/L	<0.5	50	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	<0.5	<0.5	-
Trichlorophenol, 2,4,5-	µg/L	<0.2	1300	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-
Trichlorophenol, 2,4,6-	µg/L	0.99	180	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-
Trihalomethanes																				
Bromodichloromethane	µg/L	<300	67000	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromoform	µg/L	<400	5	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloroform	µg/L	<500	2	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dibromochloromethane	µg/L	<300	65000	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Volatile Organic Compounds																				
Acetone	µg/L	<50	100000	1, 10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	µg/L	<500	0.89	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Carbon tetrachloride	µg/L	<200	0.2	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	µg/L	7.36	140	0.1, 1	<0.1	3.55	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	7.36	<0.1
Dichlorobenzene, 1,2-	µg/L	<400	150	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.88	<0.1	<0.1	<0.1	96.3	<0.1
Dichlorobenzene, 1,3-	µg/L	<400	7600	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorobenzene, 1,4-	µg/L	<400	0.5	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.7	<0.1
Dichlorodifluoromethane	µg/L	<500	3500	0.4, 4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Dichloroethane, 1,1-	µg/L	<400	11	0.3, 3	<0.3	0.86	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dichloroethane, 1,2-	µg/L	<200	0.5	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichloroethene, 1,1-	µg/L	<500	0.5	0.3, 3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dichloroethene, cis-1,2-	µg/L	<400	1.6	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichloroethene, trans-1,2-	µg/L	<400	1.6	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichloropropane, 1,2-	µg/L	<500	0.58	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dichloropropene, 1,3-	µg/L	<400	0.5	0.2, 0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dichloropropene, cis-1,3-	µg/L	<200	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	<200	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene dibromide	µg/L	<200	0.2	0.1, 0.2, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexane, n-	µg/L	<5	5	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methyl Ethyl Ketone (MEK)	µg/L	11	21000	1, 10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methyl Isobutyl Ketone (MIBK)	µg/L	<10	5200	1, 10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	µg/L	<4000	26	0.3, 3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl tert-butyl ether (MTBE)	µg/L	<10	15	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Styrene	µg/L	<500	43	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethane, 1,1,1,2-	µg/L	<500	1.1	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethane, 1,1,2,2-	µg/L	<500	0.5	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	µg/L	<300	0.5	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethane, 1,1,1-	µg/L	<400	23	0.1, 0.3, 3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Trichloroethane, 1,1,2-	µg/L	<400	0.5	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene	µg/L	<300	0.5	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorofluoromethane	µg/L	<500	2000	0.4, 4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Vinyl Chloride	µg/L	<200	0.5	0.17, 0.2, 1.7	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 7 - Osprey Shores Analytical Chemistry Results: CPs, THMs, VOCs in Groundwater				Sample ID	MW223	MW228	OW2-11
				Sample Date	2023-Jan-24	2023-Jan-23	2011-Aug-18
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	1.5 - 3.0	1.2 - 4.2	-
Chlorophenols				**Detection Limit**			
Chlorophenol, 2-	µg/L	<0.5	2600	0.5	<0.5	<0.5	-
Dichlorophenol, 2,4-	µg/L	<0.3	3700	0.3	<0.3	<0.3	-
Pentachlorophenol	µg/L	<0.5	50	0.5	<0.5	<0.5	-
Trichlorophenol, 2,4,5-	µg/L	<0.2	1300	0.2	<0.2	<0.2	-
Trichlorophenol, 2,4,6-	µg/L	0.99	180	0.2	<0.2	<0.2	-
Trihalomethanes							
Bromodichloromethane	µg/L	<300	67000	0.2, 2	<0.2	<0.2	<0.1
Bromoform	µg/L	<400	5	0.1, 1	<0.1	<0.1	<0.2
Chloroform	µg/L	<500	2	0.2, 2	<0.2	<0.2	<0.1
Dibromochloromethane	µg/L	<300	65000	0.1, 1	<0.1	<0.1	<0.2
Volatile Organic Compounds							
Acetone	µg/L	<50	100000	1, 10	<1	<1	<10
Bromomethane	µg/L	<500	0.89	0.2, 2	<0.2	<0.2	<0.5
Carbon tetrachloride	µg/L	<200	0.2	0.2, 2	<0.2	<0.2	<0.1
Chlorobenzene	µg/L	7.36	140	0.1, 1	<0.1	<0.1	<0.1
Dichlorobenzene, 1,2-	µg/L	<400	150	0.1, 1	<0.1	<0.1	<0.2
Dichlorobenzene, 1,3-	µg/L	<400	7600	0.1, 1	<0.1	<0.1	<0.2
Dichlorobenzene, 1,4-	µg/L	<400	0.5	0.1, 1	<0.1	<0.1	<0.2
Dichlorodifluoromethane	µg/L	<500	3500	0.4, 4	<0.4	<0.4	<0.5
Dichloroethane, 1,1-	µg/L	<400	11	0.3, 3	<0.3	<0.3	<0.1
Dichloroethane, 1,2-	µg/L	<200	0.5	0.2, 2	<0.2	<0.2	<0.2
Dichloroethene, 1,1-	µg/L	<500	0.5	0.3, 3	<0.3	<0.3	<0.1
Dichloroethene, cis-1,2-	µg/L	<400	1.6	0.2, 2	<0.2	<0.2	<0.1
Dichloroethene, trans-1,2-	µg/L	<400	1.6	0.2, 2	<0.2	<0.2	<0.1
Dichloropropane, 1,2-	µg/L	<500	0.58	0.2, 2	<0.2	<0.2	<0.1
Dichloropropene, 1,3-	µg/L	<400	0.5	0.2, 0.3	<0.3	<0.3	<0.4
Dichloropropene, cis-1,3-	µg/L	<200	-	0.2	-	-	<0.2
Dichloropropene, trans-1,3-	µg/L	<200	-	0.2	-	-	<0.2
Ethylene dibromide	µg/L	<200	0.2	0.1, 0.2, 1	<0.1	<0.1	<0.2
Hexane, n-	µg/L	<5	5	0.2, 2	<0.2	<0.2	<0.5
Methyl Ethyl Ketone (MEK)	µg/L	11	21000	1, 10	<1	<1	<5
Methyl Isobutyl Ketone (MIBK)	µg/L	<10	5200	1, 10	<1	<1	<5
Methylene chloride	µg/L	<4000	26	0.3, 3	<0.3	<0.3	-
Methyl tert-butyl ether (MTBE)	µg/L	<10	15	0.2, 2	<0.2	<0.2	<0.2
Styrene	µg/L	<500	43	0.1, 1	<0.1	<0.1	<0.2
Tetrachloroethane, 1,1,1,2-	µg/L	<500	1.1	0.1, 1	<0.1	<0.1	<0.1
Tetrachloroethane, 1,1,2,2-	µg/L	<500	0.5	0.1, 1	<0.1	<0.1	<0.2
Tetrachloroethene	µg/L	<300	0.5	0.2, 2	<0.2	<0.2	0.3
Trichloroethane, 1,1,1-	µg/L	<400	23	0.1, 0.3, 3	<0.3	<0.3	<0.1
Trichloroethane, 1,1,2-	µg/L	<400	0.5	0.2, 2	<0.2	<0.2	<0.2
Trichloroethene	µg/L	<300	0.5	0.2, 2	<0.2	<0.2	<0.1
Trichlorofluoromethane	µg/L	<500	2000	0.4, 4	<0.4	<0.4	<0.2
Vinyl Chloride	µg/L	<200	0.5	0.17, 0.2, 1.7	<0.17	<0.17	<0.2

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 8 - Osprey Shores Analytical Chemistry Results: Metals in Groundwater				Sample ID	MW4	MW22-11	Trip Blank 2-12 (MW22)	MW22-12	MW22-22	MW23-11	MW23-12	MW23-22	MW23 (DUP2-22) (MW23)	MW24-11	Trip Blank 1-12 (MW24)	MW24-12	MW24.1-12 (MW24)	MW24-22	MW25-11
				Sample Date	2011-Aug-18	2011-Aug-18	2012-Apr-30	2012-May-01	2022-Jul-12	2011-Aug-18	2012-May-01	2022-Jul-14	2022-Jul-14	2011-Aug-18	2012-Apr-30	2012-May-01	2012-May-01	2022-Jul-12	2011-Aug-17
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	-	1.7 - 4.7	1.7 - 4.7	1.7 - 4.7	1.7 - 4.7	1.2 - 3.4	1.2 - 3.4	1.2 - 3.4	1.2 - 3.4	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	4.7 - 7.7
Metals				Detection Limit															
Aluminum, dissolved	µg/L	20	-	10	-	<10	<10	<10	-	<10	<10	-	-	<10	<10	<10	10	-	<10
Antimony, dissolved	µg/L	2.1	16000	1	-	<0.5	-	-	<1	<0.5	-	<1	<1	-	-	-	-	<1	-
Arsenic, dissolved	µg/L	<100	1500	1	-	<10	<1	<10	1.5	<1	<1	<1	<1	<10	<1	<10	<10	1.1	<10
Barium, dissolved	µg/L	656	23000	2	-	80	<10	70	92.6	60	50	70.3	65.1	100	<10	90	90	627	140
Barium, total	µg/L	70	23000	10	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, dissolved	µg/L	<0.5	53	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	<0.5
Beryllium, total	µg/L	<0.5	53	0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron, dissolved	µg/L	2950	36000	10	-	470	<10	240	319	430	210	177	166	230	<10	150	150	2950	1500
Boron, total	µg/L	200	36000	10	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, dissolved	µg/L	0.21	2.1	0.2	-	<0.1	<0.1	<0.1	<0.2	0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
Cadmium, total	µg/L	<0.1	2.1	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, dissolved	µg/L	271000	-		-	139000	<1000	128000	-	124000	108000	-	-	177000	<1000	8000	174000	-	40000
Chromium, dissolved	µg/L	9	640	2	-	3	<1	1	5.3	2	<1	2.8	<2	2	<1	<1	<1	<2	9
Chromium, total	µg/L	<5	640	1	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, dissolved	µg/L	3.06	52	0.5	-	0.6	<0.2	0.4	<0.5	1	0.6	1.24	<0.5	0.4	<0.2	0.4	0.4	<0.5	<0.2
Cobalt, total	µg/L	0.6	52	0.2	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper, dissolved	µg/L	4.4	69	1	-	<1	<1	<1	<1	<1	<1	1.1	3.6	<1	<1	<1	<1	<1	<1
Copper, total	µg/L	1	69	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, dissolved	µg/L	13500	-	30	-	3810	<30	3630	-	5030	4760	-	-	2900	<30	3250	3210	-	<30
Lead, dissolved	µg/L	1.08	20	0.5	-	<1	<1	<1	<0.5	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.5	<1
Lead, total	µg/L	<1	20	1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium, dissolved	µg/L	56000	-		-	26000	<1000	29000	-	9000	9000	-	-	17000	<1000	34000	19000	-	20000
Manganese, dissolved	µg/L	600	-	10	-	480	<10	370	-	410	330	-	-	600	<10	440	430	-	<10
Molybdenum, dissolved	µg/L	710	7300	0.5	-	64	<5	66	50.5	710	465	2.76	2.65	22	<5	14	13	1.33	5
Molybdenum, total	µg/L	<5	7300	5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, dissolved	µg/L	15.4	390	1	-	<5	<5	<5	2.4	<5	<5	1	<1	<5	<5	<5	<5	<1	<5
Nickel, total	µg/L	<5	390	5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, dissolved	µg/L	87000	-		-	10000	<1000	9000	-	5000	5000	-	-	6000	<1000	87000	6000	-	17000
Selenium, dissolved	µg/L	7.5	50	1	-	<5	-	-	<1	<1	-	<1	<1	<1	-	-	-	4.5	<5
Silver, dissolved	µg/L	<0.2	1.2	0.2	-	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1
Silver, total	µg/L	<0.1	1.2	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, dissolved	µg/L	3360000	1800000	50, 100, 500	-	142000	<2000	184000	84900	34000	30000	41100	38800	50000	<2000	202000	56000	3360000	592000
Strontium, dissolved	µg/L	5330	-	1	-	757	<1	1190	-	417	358	-	-	931	<1	797	796	-	3080
Thallium, dissolved	µg/L	<0.3	400	0.3	-	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.3	<0.3	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1
Thallium, total	µg/L	<0.1	400	0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Titanium, dissolved	µg/L	<10	-	1	-	<10	<10	<10	-	<10	<10	-	-	<10	<10	<10	<10	-	<10
Uranium, dissolved	µg/L	6.26	330	0.5	-	<1	<1	<1	<0.5	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<0.5	<1
Uranium, total	µg/L	<1	330	1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, dissolved	µg/L	14	200	0.4	-	5	<1	4	0.43	5	4	<0.4	<0.4	14	<1	<5	<5	0.69	7
Vanadium, total	µg/L	7	200	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc, dissolved	µg/L	89.1	890	5	-	<10	<10	<10	<5	<10	<10	<5	<5	<10	<10	<10	<10	<5	<10
Zinc, total	µg/L	<10	890	10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 8 - Osprey Shores Analytical Chemistry Results: Metals in Groundwater				Sample ID	MW25-12	MW25-22	MW26-11	MW26.1-11 (MW26)	MW26-12	MW26-22	MW50-11	MW50-12	MW50-22	MW78-11	MW78-12	MW78-22	MW79-11	MW79-12	MW79-22	MW80-11	MW80-12
				Sample Date	2012-May-01	2022-Jul-12	2011-Aug-17	2011-Aug-17	2012-May-01	2022-Jul-14	2011-Aug-17	2012-May-01	2022-Jul-13	2011-Aug-17	2012-May-01	2022-Jul-12	2011-Aug-17	2012-May-01	2022-Jul-14	2011-Aug-17	2012-May-01
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	4.7 - 7.7	4.7 - 7.7	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	2.4 - 5.4	2.4 - 5.4	2.4 - 5.4	2.7 - 5.6	2.7 - 5.6	2.7 - 5.6	1.9 - 4.9	1.9 - 4.9	1.9 - 4.9	2.4 - 3.8	2.4 - 3.8
Metals				Detection Limit																	
Aluminum, dissolved	µg/L	20	-	10	<10	-	<10	<10	<10	-	<10	<10	-	20	<10	-	<10	<10	-	<10	<10
Antimony, dissolved	µg/L	2.1	16000	1	-	<1	-	-	-	<1	-	-	<1	-	-	<1	-	-	<1	-	-
Arsenic, dissolved	µg/L	<100	1500	1	<100	1.1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<1	<10	<10	<1	<10	<1
Barium, dissolved	µg/L	656	23000	2	110	307	200	200	180	169	40	30	53.1	260	170	108	170	110	164	100	80
Barium, total	µg/L	70	23000	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, dissolved	µg/L	<0.5	53	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	<0.5	<0.5	<0.5	<0.5
Beryllium, total	µg/L	<0.5	53	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron, dissolved	µg/L	2950	36000	10	1500	1860	60	70	40	166	70	40	31.6	430	410	113	680	430	242	880	520
Boron, total	µg/L	200	36000	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, dissolved	µg/L	0.21	2.1	0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1
Cadmium, total	µg/L	<0.1	2.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, dissolved	µg/L	271000	-		67000	-	163000	169000	170000	-	106000	106000	-	221000	140000	-	131000	138000	-	137000	172000
Chromium, dissolved	µg/L	9	640	2	9	2	5	5	8	<2	2	2	2.5	5	9	<2	2	<1	<2	3	2
Chromium, total	µg/L	<5	640	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, dissolved	µg/L	3.06	52	0.5	<0.2	<0.5	<0.2	<0.2	<0.2	<0.5	<0.2	<0.2	<0.5	1	0.4	<0.5	0.6	0.5	1.86	0.5	0.3
Cobalt, total	µg/L	0.6	52	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper, dissolved	µg/L	4.4	69	1	<1	1.2	<1	<1	<1	<1	2	1	1.8	1	<1	<1	<1	<1	2.5	2	3
Copper, total	µg/L	1	69	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, dissolved	µg/L	13500	-	30	130	-	720	740	1480	-	<30	<30	-	<30	2660	-	6680	5320	-	250	<30
Lead, dissolved	µg/L	1.08	20	0.5	<1	<0.5	<1	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<0.5	<1	<1
Lead, total	µg/L	<1	20	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium, dissolved	µg/L	56000	-		44000	-	31000	32000	33000	-	14000	10000	-	32000	41000	-	10000	12000	-	16000	23000
Manganese, dissolved	µg/L	600	-	10	<10	-	80	90	120	-	<10	<10	-	50	30	-	570	420	-	360	240
Molybdenum, dissolved	µg/L	710	7300	0.5	<5	6.45	<5	<5	<5	<0.5	<5	<5	<0.5	12	<5	<0.5	<5	<5	0.97	29	21
Molybdenum, total	µg/L	<5	7300	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, dissolved	µg/L	15.4	390	1	<5	1.1	<5	<5	<5	3.2	<5	<5	1.5	<5	<5	<1	<5	<5	1.1	<5	<5
Nickel, total	µg/L	<5	390	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, dissolved	µg/L	87000	-		20000	-	3000	3000	2000	-	19000	18000	-	12000	12000	-	18000	12000	-	13000	12000
Selenium, dissolved	µg/L	7.5	50	1	-	2.2	<1	<1	-	3	<1	-	<1	<5	-	<1	<1	-	<1	<1	-
Silver, dissolved	µg/L	<0.2	1.2	0.2	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1
Silver, total	µg/L	<0.1	1.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, dissolved	µg/L	3360000	1800000	50, 100, 500	780000	1420000	107000	110000	112000	133000	116000	107000	63200	95000	166000	51900	37000	35000	51400	56000	57000
Strontium, dissolved	µg/L	5330	-	1	5330	-	797	799	689	-	206	205	-	3730	5010	-	433	351	-	654	571
Thallium, dissolved	µg/L	<0.3	400	0.3	<0.1	<0.3	<0.1	<0.1	<0.1	<0.3	<0.1	<0.1	<0.3	0.1	<0.1	<0.3	<0.1	<0.1	<0.3	<0.1	<0.1
Thallium, total	µg/L	<0.1	400	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Titanium, dissolved	µg/L	<10	-	1	<10	-	<10	<10	<10	-	<10	<10	-	<10	<10	-	<10	<10	-	<10	<10
Uranium, dissolved	µg/L	6.26	330	0.5	<1	<0.5	<1	<1	<1	<0.5	<1	<1	1.76	2	<1	<0.5	<1	<1	<0.5	<1	<1
Uranium, total	µg/L	<1	330	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, dissolved	µg/L	14	200	0.4	2	1.13	6	5	6	<0.4	4	3	<0.4	<5	<5	0.43	4	2	<0.4	4	4
Vanadium, total	µg/L	7	200	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc, dissolved	µg/L	89.1	890	5	<10	<5	<10	<10	<10	17.8	<10	<10	<5	10	<10	<5	<10	<10	<5	<10	10
Zinc, total	µg/L	<10	890	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 8 - Osprey Shores Analytical Chemistry Results: Metals in Groundwater				Sample ID	MW80-22	MW81-11	MW81-12	MW81-22	MW82-11	MW82-12	MW82-22	MW84-11	MW84-12	MW84-22	MW121-11	MW121-12	MW121	MW128R	MW130-11	MW130-12	MW130-22
				Sample Date	2022-Jul-12	2011-Aug-17	2012-May-01	2022-Jul-14	2011-Aug-17	2012-May-01	2022-Jul-12	2011-Aug-17	2012-May-01	2022-Jul-13	2011-Aug-17	2012-May-01	2023-Jan-19	2023-Jan-19	2011-Aug-17	2012-May-01	2022-Jul-13
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	2.4 - 3.8	1.7 - 4.7	1.7 - 4.7	1.7 - 4.7	0.9 - 2.4	0.9 - 2.4	0.9 - 2.4	3.7 - 6.6	3.7 - 6.6	3.7 - 6.6	1.5 - 3.6	1.5 - 3.6	1.5 - 3.6	1.6 - 3.7	2.1 - 5.1	2.1 - 5.1	2.1 - 5.1
Metals				**Detection Limit**																	
Aluminum, dissolved	µg/L	20	-	10	-	<10	<10	-	<10	<10	-	<10	<10	-	<10	<10	-	-	<10	<10	-
Antimony, dissolved	µg/L	2.1	16000	1	2.1	-	-	<1	-	-	<1	-	-	<1	-	-	<1	<1	-	-	<1
Arsenic, dissolved	µg/L	<100	1500	1	<1	<1	<1	<1	<10	<10	3.5	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1
Barium, dissolved	µg/L	656	23000	2	72.8	210	160	187	230	210	208	360	90	380	140	110	80.2	52.3	320	80	66.2
Barium, total	µg/L	70	23000	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, dissolved	µg/L	<0.5	53	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	<0.5	<0.5	<0.5	<0.5
Beryllium, total	µg/L	<0.5	53	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron, dissolved	µg/L	2950	36000	10	772	60	30	32.7	100	60	81.2	130	300	90	80	20	30.2	40.8	190	40	<10
Boron, total	µg/L	200	36000	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, dissolved	µg/L	0.21	2.1	0.2	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2
Cadmium, total	µg/L	<0.1	2.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, dissolved	µg/L	271000	-		-	194000	189000	-	213000	210000	-	192000	90000	-	232000	271000	-	-	151000	265000	-
Chromium, dissolved	µg/L	9	640	2	<2	6	7	<2	5	5	<2	<5	4	<2	5	3	<2	<2	3	2	<2
Chromium, total	µg/L	<5	640	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, dissolved	µg/L	3.06	52	0.5	1.08	0.8	0.6	0.6	0.9	1	<0.5	1	0.3	<0.5	1.2	0.7	<0.5	<0.5	0.8	0.6	<0.5
Cobalt, total	µg/L	0.6	52	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper, dissolved	µg/L	4.4	69	1	2.7	1	<1	<1	2	<1	<1	2	<1	1.2	2	<1	<1	<1	1	<1	1.4
Copper, total	µg/L	1	69	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, dissolved	µg/L	13500	-	30	-	<30	<30	-	5250	12700	-	<30	190	-	90	<30	-	-	<30	<30	-
Lead, dissolved	µg/L	1.08	20	0.5	<0.5	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<0.5	<0.5	<1	<1	<0.5
Lead, total	µg/L	<1	20	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium, dissolved	µg/L	56000	-		-	40000	39000	-	22000	24000	-	48000	56000	-	22000	26000	-	-	39000	23000	-
Manganese, dissolved	µg/L	600	-	10	-	20	<10	-	360	410	-	20	<10	-	70	50	-	-	80	<10	-
Molybdenum, dissolved	µg/L	710	7300	0.5	20	<5	<5	<0.5	<5	<5	1.23	<5	<5	0.52	<5	<5	<0.5	0.91	<5	<5	<0.5
Molybdenum, total	µg/L	<5	7300	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, dissolved	µg/L	15.4	390	1	2.4	5	<5	4.4	<5	<5	<1	6	<5	1.2	<5	<5	2	1.3	<5	<5	<1
Nickel, total	µg/L	<5	390	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, dissolved	µg/L	87000	-		-	3000	2000	-	3000	3000	-	6000	4000	-	5000	1000	-	-	7000	2000	-
Selenium, dissolved	µg/L	7.5	50	1	<1	<5	-	<1	<1	-	<1	<1	-	1.8	<5	-	<1	<1	<1	-	<1
Silver, dissolved	µg/L	<0.2	1.2	0.2	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.2
Silver, total	µg/L	<0.1	1.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, dissolved	µg/L	3360000	1800000	50, 100, 500	41900	119000	127000	170000	74000	94000	150000	498000	96000	890000	34000	26000	47700	12200	48000	19000	15600
Strontium, dissolved	µg/L	5330	-	1	-	922	620	-	1070	982	-	2510	1520	-	751	644	-	-	2640	1200	-
Thallium, dissolved	µg/L	<0.3	400	0.3	<0.3	<0.1	<0.1	<0.3	<0.1	<0.1	<0.3	0.2	<0.1	<0.3	<0.1	<0.1	<0.3	<0.3	0.1	<0.1	<0.3
Thallium, total	µg/L	<0.1	400	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Titanium, dissolved	µg/L	<10	-	1	-	<10	<10	-	<10	<10	-	<10	<10	-	<10	<10	-	-	<10	<10	-
Uranium, dissolved	µg/L	6.26	330	0.5	<0.5	3	2	2.3	<1	<1	<0.5	2	1	1.93	2	<1	0.94	1.28	<1	<1	<0.5
Uranium, total	µg/L	<1	330	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, dissolved	µg/L	14	200	0.4	<0.4	5	5	<0.4	6	5	<0.4	4	5	0.9	8	<5	<0.4	<0.4	5	6	<0.4
Vanadium, total	µg/L	7	200	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc, dissolved	µg/L	89.1	890	5	6.7	<10	<10	<5	<10	<10	<5	<10	<10	<5	<10	<10	<5	<5	<10	<10	<5
Zinc, total	µg/L	<10	890	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 8 - Osprey Shores Analytical Chemistry Results: Metals in Groundwater				Sample ID	MW146-11	MW146-12	MW146-22	MW148-11	MW148-12	MW148-22	MW149-11	MW149-12	MW149-22	MW151-11	MW151.1-11 (MW151)	MW151-12	MW151-22	MW151 (DUP1-22) (MW151)	MW152-11	MW152-12
				Sample Date	2011-Aug-18	2012-May-01	2022-Jul-12	2011-Aug-18	2012-May-01	2022-Jul-13	2011-Aug-18	2012-May-01	2022-Jul-13	2011-Aug-18	2011-Aug-18	2012-May-01	2022-Jul-13	2022-Jul-13	2011-Aug-17	2012-May-01
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	1.2 - 3.0	1.2 - 3.0	1.2 - 3.0	1.2 - 3.0	1.2 - 3.0	1.2 - 3.0	1.1 - 2.2	1.1 - 2.2	1.1 - 2.2	1.6 - 4.5	1.6 - 4.5	1.6 - 4.5	1.6 - 4.5	1.6 - 4.5	2.1 - 5.1	2.1 - 5.1
Metals				Detection Limit																
Aluminum, dissolved	µg/L	20	-	10	<10	<10	-	<10	<10	-	<10	<10	-	<10	<10	<10	-	-	<10	<10
Antimony, dissolved	µg/L	2.1	16000	1	-	-	<1	-	-	<1	-	-	<1	-	-	-	<1	<1	-	-
Arsenic, dissolved	µg/L	<100	1500	1	<10	<10	2.2	<10	<10	1.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Barium, dissolved	µg/L	656	23000	2	70	70	107	160	80	54.9	80	40	53.3	360	550	360	85.6	85.8	120	80
Barium, total	µg/L	70	23000	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, dissolved	µg/L	<0.5	53	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	<0.5	<0.5	<0.5
Beryllium, total	µg/L	<0.5	53	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron, dissolved	µg/L	2950	36000	10	60	30	79.5	110	10	<10	280	20	19.4	70	100	70	40.8	42	60	40
Boron, total	µg/L	200	36000	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, dissolved	µg/L	0.21	2.1	0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1
Cadmium, total	µg/L	<0.1	2.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, dissolved	µg/L	271000	-		125000	150000	-	145000	164000	-	114000	113000	-	136000	137000	179000	-	-	127000	153000
Chromium, dissolved	µg/L	9	640	2	3	3	<2	2	<1	<2	2	<1	<2	4	4	4	2	4.1	6	7
Chromium, total	µg/L	<5	640	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, dissolved	µg/L	3.06	52	0.5	0.3	0.4	<0.5	0.3	0.3	<0.5	0.7	0.6	0.89	<0.2	0.2	<0.2	<0.5	<0.5	0.2	0.3
Cobalt, total	µg/L	0.6	52	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper, dissolved	µg/L	4.4	69	1	<1	<1	2.7	<1	<1	<1	1	<1	1	<1	<1	<1	1	1.9	1	1
Copper, total	µg/L	1	69	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, dissolved	µg/L	13500	-	30	2350	2340	-	7740	13500	-	130	2320	-	150	130	150	-	-	<30	<30
Lead, dissolved	µg/L	1.08	20	0.5	<1	<1	<0.5	<1	<1	0.9	<1	<1	<0.5	<1	<1	<1	<0.5	<0.5	<1	<1
Lead, total	µg/L	<1	20	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium, dissolved	µg/L	56000	-		12000	18000	-	9000	7000	-	13000	11000	-	29000	29000	38000	-	-	23000	21000
Manganese, dissolved	µg/L	600	-	10	330	220	-	280	320	-	190	230	-	30	30	30	-	-	30	70
Molybdenum, dissolved	µg/L	710	7300	0.5	<5	<5	1.23	<5	<5	<0.5	<5	<5	0.69	<5	<5	<5	1.13	1.19	<5	<5
Molybdenum, total	µg/L	<5	7300	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, dissolved	µg/L	15.4	390	1	<5	<5	1.3	<5	<5	<1	<5	<5	1.7	<5	<5	<5	2.5	3.1	<5	<5
Nickel, total	µg/L	<5	390	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, dissolved	µg/L	87000	-		2000	2000	-	2000	1000	-	5000	<1000	-	4000	4000	4000	-	-	2000	2000
Selenium, dissolved	µg/L	7.5	50	1	<1	-	<1	<1	-	<1	<1	-	1.2	-	<1	-	<1	<1	<5	-
Silver, dissolved	µg/L	<0.2	1.2	0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1
Silver, total	µg/L	<0.1	1.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, dissolved	µg/L	3360000	1800000	50, 100, 500	67000	85000	210000	16000	7000	3240	34000	22000	30900	92000	92000	106000	25900	25400	118000	169000
Strontium, dissolved	µg/L	5330	-	1	415	383	-	626	322	-	709	312	-	1310	1360	1310	-	-	531	424
Thallium, dissolved	µg/L	<0.3	400	0.3	<0.1	<0.1	<0.3	<0.1	<0.1	<0.3	<0.1	<0.1	<0.3	<0.1	<0.1	<0.1	<0.3	<0.3	<0.1	<0.1
Thallium, total	µg/L	<0.1	400	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Titanium, dissolved	µg/L	<10	-	1	<10	<10	-	<10	<10	-	<10	<10	-	<10	<10	<10	-	-	<10	<10
Uranium, dissolved	µg/L	6.26	330	0.5	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<0.5	<1	<1	<1	6.24	6.26	1	<1
Uranium, total	µg/L	<1	330	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, dissolved	µg/L	14	200	0.4	4	4	<0.4	5	5	<0.4	3	3	<0.4	3	5	3	<0.4	<0.4	4	2
Vanadium, total	µg/L	7	200	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc, dissolved	µg/L	89.1	890	5	<10	<10	<5	<10	<10	<5	<10	<10	<5	<10	<10	<10	<5	<5	<10	<10
Zinc, total	µg/L	<10	890	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 8 - Osprey Shores Analytical Chemistry Results: Metals in Groundwater				Sample ID	MW152-22	MW156-22	MW201	GW-Dup1 (MW201)	MW202	MW203	MW204	MW205	Field Blank (MW205)	MW206	MW207	MW208	MW209	MW210	MW211	MW212
				Sample Date	2022-Jul-12	2022-Jul-13	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	2.1 - 5.1	2.0 - 5.0	5.4 - 8.4	5.4 - 8.4	2.3 - 5.2	3.3 - 6.0	1.7 - 4.7	4.6 - 7.6	4.6 - 7.6	5.2 - 8.2	8.3 - 11.3	4.9 - 7.9	0.6 - 3.6	0.3 - 3.3	0.6 - 3.6	1.2 - 2.7
Metals				Detection Limit																
Aluminum, dissolved	µg/L	20	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony, dissolved	µg/L	2.1	16000	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1
Arsenic, dissolved	µg/L	<100	1500	1	<1	<1	<1	<1	1.4	1.3	<1	2.2	<1	1.9	6.4	<1	<1	<1	<1	<1
Barium, dissolved	µg/L	656	23000	2	107	115	461	476	182	404	73.9	62.8	<2	656	124	175	77.2	82	61.6	67.5
Barium, total	µg/L	70	23000	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, dissolved	µg/L	<0.5	53	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	<0.5	<0.5	<0.5
Beryllium, total	µg/L	<0.5	53	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron, dissolved	µg/L	2950	36000	10	60.6	22.2	268	250	39.8	53.8	13.4	535	<10	2060	641	808	186	412	158	367
Boron, total	µg/L	200	36000	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, dissolved	µg/L	0.21	2.1	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.21	<0.2	<0.2	<0.2	<0.2
Cadmium, total	µg/L	<0.1	2.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, dissolved	µg/L	271000	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium, dissolved	µg/L	9	640	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chromium, total	µg/L	<5	640	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, dissolved	µg/L	3.06	52	0.5	<0.5	<0.5	0.69	1.11	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.98	1.22
Cobalt, total	µg/L	0.6	52	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper, dissolved	µg/L	4.4	69	1	1.9	4.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.3	<1	1.4	1	<1
Copper, total	µg/L	1	69	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, dissolved	µg/L	13500	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead, dissolved	µg/L	1.08	20	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.92	<0.5	<0.5	1.08	<0.5	<0.5	<0.5	<0.5	<0.5
Lead, total	µg/L	<1	20	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium, dissolved	µg/L	56000	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese, dissolved	µg/L	600	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum, dissolved	µg/L	710	7300	0.5	0.72	0.89	5.48	5.83	3	5.88	<0.5	7.14	<0.5	16.7	106	296	106	306	22.2	12.7
Molybdenum, total	µg/L	<5	7300	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, dissolved	µg/L	15.4	390	1	2.1	1.8	5.4	4.3	3.2	1.1	<1	<1	<1	2.8	1.6	1.2	1.4	<1	7.7	2
Nickel, total	µg/L	<5	390	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, dissolved	µg/L	87000	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium, dissolved	µg/L	7.5	50	1	1.6	<1	<1	<1	<1	<1	<1	1	<1	<1	3.3	7.5	<1	<1	<1	1.4
Silver, dissolved	µg/L	<0.2	1.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Silver, total	µg/L	<0.1	1.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, dissolved	µg/L	3360000	1800000	50, 100, 500	328000	80300	192000	198000	6670	63200	16300	216000	<50	2220000	669000	1110000	26500	33400	42500	20300
Strontium, dissolved	µg/L	5330	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium, dissolved	µg/L	<0.3	400	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Thallium, total	µg/L	<0.1	400	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Titanium, dissolved	µg/L	<10	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium, dissolved	µg/L	6.26	330	0.5	0.74	0.84	2.01	2	0.5	1.09	<0.5	1.7	<0.5	0.87	4.47	2.24	<0.5	0.54	0.76	1.04
Uranium, total	µg/L	<1	330	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, dissolved	µg/L	14	200	0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	0.93	<0.4	<0.4	1.61	<0.4	<0.4	<0.4
Vanadium, total	µg/L	7	200	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc, dissolved	µg/L	89.1	890	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.2	<5	16.3	8.4	89.1	<5	<5
Zinc, total	µg/L	<10	890	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 8 - Osprey Shores Analytical Chemistry Results: Metals in Groundwater				Sample ID	MW213	GW-Dup3 (MW213)	Trip Blank (MW214)	MW215	GW-Dup2 (MW215)	MW217	MW218	MW219	MW220	MW222	MW224	MW228	OW2-11
				Sample Date	2023-Jan-23	2023-Jan-23	2023-Jan-24	2023-Jan-23	2023-Jan-23	2023-Jan-24	2023-Jan-24	2023-Jan-25	2023-Jan-25	2023-Jan-24	2023-Jan-25	2023-Jan-23	2011-Aug-18
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	0.7 - 3.7	0.7 - 3.7	1.2 - 3.6	1.6 - 4.5	1.6 - 4.5	1.7 - 4.7	1.0 - 2.4	1.0 - 3.9	1.0 - 2.5	1.1 - 2.6	1.3 - 4.3	1.2 - 4.2	-
Metals				**Detection Limit**													
Aluminum, dissolved	µg/L	20	-	10	-	-	-	-	-	-	-	-	-	-	-	-	<10
Antimony, dissolved	µg/L	2.1	16000	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
Arsenic, dissolved	µg/L	<100	1500	1	<1	2.6	<1	<1	1.2	<1	3.6	<1	1	1.9	<1	1.2	<1
Barium, dissolved	µg/L	656	23000	2	99	98.1	<2	78.1	78.9	126	149	63.9	85	62.2	156	98	70
Barium, total	µg/L	70	23000	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, dissolved	µg/L	<0.5	53	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
Beryllium, total	µg/L	<0.5	53	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron, dissolved	µg/L	2950	36000	10	335	369	<10	826	834	253	310	87.5	266	218	93.5	49.1	20
Boron, total	µg/L	200	36000	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, dissolved	µg/L	0.21	2.1	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	<0.1
Cadmium, total	µg/L	<0.1	2.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, dissolved	µg/L	271000	-		-	-	-	-	-	-	-	-	-	-	-	-	102000
Chromium, dissolved	µg/L	9	640	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	5.3	<2	<2	2
Chromium, total	µg/L	<5	640	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, dissolved	µg/L	3.06	52	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.65	2.21	1.46	1.23	0.73	<0.5	3.06	<0.2
Cobalt, total	µg/L	0.6	52	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper, dissolved	µg/L	4.4	69	1	<1	<1	<1	<1	<1	1.4	<1	2.8	1.9	1.8	<1	3.1	<1
Copper, total	µg/L	1	69	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, dissolved	µg/L	13500	-	30	-	-	-	-	-	-	-	-	-	-	-	-	<30
Lead, dissolved	µg/L	1.08	20	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<1
Lead, total	µg/L	<1	20	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium, dissolved	µg/L	56000	-		-	-	-	-	-	-	-	-	-	-	-	-	15000
Manganese, dissolved	µg/L	600	-	10	-	-	-	-	-	-	-	-	-	-	-	-	<10
Molybdenum, dissolved	µg/L	710	7300	0.5	9.39	10.1	<0.5	12.8	12.4	7.08	3.78	0.57	14.7	46.5	3.48	7	<5
Molybdenum, total	µg/L	<5	7300	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, dissolved	µg/L	15.4	390	1	2	1.3	<1	1.6	1.3	1.6	3.3	15.4	5.9	2.9	1.8	2.6	<5
Nickel, total	µg/L	<5	390	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, dissolved	µg/L	87000	-		-	-	-	-	-	-	-	-	-	-	-	-	<1000
Selenium, dissolved	µg/L	7.5	50	1	<1	1.6	<1	1.2	<1	<1	<1	<1	<1	<1	<1	<1	<1
Silver, dissolved	µg/L	<0.2	1.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1
Silver, total	µg/L	<0.1	1.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, dissolved	µg/L	3360000	1800000	50, 100, 500	31300	28400	<50	21700	21200	72700	104000	22600	60900	123000	19500	69300	13000
Strontium, dissolved	µg/L	5330	-	1	-	-	-	-	-	-	-	-	-	-	-	-	290
Thallium, dissolved	µg/L	<0.3	400	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.1
Thallium, total	µg/L	<0.1	400	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Titanium, dissolved	µg/L	<10	-	1	-	-	-	-	-	-	-	-	-	-	-	-	<10
Uranium, dissolved	µg/L	6.26	330	0.5	0.92	0.89	<0.5	<0.5	<0.5	0.73	1	<0.5	4.89	1.13	1.74	4	<1
Uranium, total	µg/L	<1	330	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, dissolved	µg/L	14	200	0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	0.52	0.82	0.87	0.8	5
Vanadium, total	µg/L	7	200	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc, dissolved	µg/L	89.1	890	5	<5	<5	<5	<5	<5	<5	<5	10.2	6.2	<5	<5	8.1	<10
Zinc, total	µg/L	<10	890	10	-	-	-	-	-	-	-	-	-	-	-	-	-

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 9 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Groundwater				Sample ID	MW4	MW22-11	Trip Blank 2-12 (MW22)	MW22-12	MW22-22	MW23-11	MW23-12	MW23-22	MW23 (DUP2-22) (MW23)	MW24-11	Trip Blank 1-12 (MW24)	MW24-12	MW24.1-12 (MW24)	MW24-22
				Sample Date	2011-Aug-18	2011-Aug-18	2012-Apr-30	2012-May-01	2022-Jul-12	2011-Aug-18	2012-May-01	2022-Jul-14	2022-Jul-14	2011-Aug-18	2012-Apr-30	2012-May-01	2012-May-01	2022-Jul-12
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	-	1.7 - 4.7	1.7 - 4.7	1.7 - 4.7	1.7 - 4.7	1.2 - 3.4	1.2 - 3.4	1.2 - 3.4	1.2 - 3.4	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**														
Benzene	µg/L	2250	0.5	0.2, 2	-	2.7	<0.5	12	24.8	<0.1	<0.5	<0.2	<0.2	<0.1	<0.5	<0.5	<0.5	4.34
Ethylbenzene	µg/L	<500	57	0.1, 1	-	0.2	<0.5	<1	0.31	<0.1	<0.5	<0.1	<0.1	<0.2	<0.5	<0.5	<0.5	0.39
Toluene	µg/L	84800	320	0.2, 2	-	3	<0.5	<1	1.31	<0.2	<0.5	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	0.52
Xylene, m+p-	µg/L	534	-	0.2, 2	-	0.2	<0.5	3	3.08	<0.1	<0.5	<0.2	<0.2	<0.1	<0.5	<0.5	<0.5	3.7
Xylene, o-	µg/L	<500	-	0.1, 1	-	0.8	<0.5	<1	0.24	<0.1	<0.5	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	1.2
Xylenes, total	µg/L	<1000	72	0.2	-	0.9	<1	3	3.32	<0.1	-	<0.2	<0.2	<0.1	<1	<1	<1	4.9
Petroleum Hydrocarbons																		
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	77400	420	25, 100	<100	<100	<100	200	86	<100	<100	<25	<25	<100	<100	<100	<100	33
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	2200	150	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	1700	500	100, 200	<200	<200	<200	<200	<100	<200	<200	<100	<100	<200	<200	<200	<200	<100
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	1100	500	100, 200	<200	<200	<200	<200	<100	<200	<200	<100	<100	<200	<200	<200	<200	<100

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 9 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Groundwater				Sample ID	MW25-11	MW25-12	MW25-22	MW26-11	MW26.1-11 (MW26)	MW26-12	MW26-22	MW50-11	MW50-12	MW50-22	MW78-11	MW78-12	MW78-22	MW79-11	MW79-12	MW79-22
				Sample Date	2011-Aug-17	2012-May-01	2022-Jul-12	2011-Aug-17	2011-Aug-17	2012-May-01	2022-Jul-14	2011-Aug-17	2012-May-01	2022-Jul-13	2011-Aug-17	2012-May-01	2022-Jul-12	2011-Aug-17	2012-May-01	2022-Jul-14
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	4.7 - 7.7	4.7 - 7.7	4.7 - 7.7	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	1.5 - 4.5	2.4 - 5.4	2.4 - 5.4	2.4 - 5.4	2.7 - 5.6	2.7 - 5.6	2.7 - 5.6	1.9 - 4.9	1.9 - 4.9	1.9 - 4.9
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	µg/L	2250	0.5	0.2, 2	2.8	2.6	71.3	<0.1	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2
Ethylbenzene	µg/L	<500	57	0.1, 1	<0.1	<0.5	1.65	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1
Toluene	µg/L	84800	320	0.2, 2	<0.2	<0.5	4.51	<0.2	<0.2	<0.5	<0.2	<0.2	<0.5	<0.2	<0.2	<0.5	<0.2	<0.2	<0.5	<0.2
Xylene, m+p-	µg/L	534	-	0.2, 2	<0.1	<0.5	10.8	<0.1	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2
Xylene, o-	µg/L	<500	-	0.1, 1	<0.1	<0.5	2.02	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1
Xylenes, total	µg/L	<1000	72	0.2	<0.1	<1	12.8	<0.1	<0.1	-	<0.2	<0.1	-	<0.2	<0.1	<1	<0.2	<0.1	-	<0.2
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	77400	420	25, 100	<100	<100	218	<100	<100	<100	<25	<100	<100	<25	<100	<100	<25	<100	<100	<25
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	2200	150	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	1700	500	100, 200	<200	400	<100	<200	<200	<200	<100	<200	<200	<100	<200	900	<100	<200	<200	<100
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	1100	500	100, 200	<200	<200	<100	<200	<200	<200	<100	300	<200	<100	<200	200	<100	<200	<200	<100

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 9 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Groundwater				Sample ID	MW80-11	MW80-12	MW80-22	MW81-11	MW81-12	MW81-22	MW82-11	MW82-12	MW82-22	MW84-11	MW84-12	MW84-22	MW121-11	MW121-12	MW121	MW128R	MW130-11
				Sample Date	2011-Aug-17	2012-May-01	2022-Jul-12	2011-Aug-17	2012-May-01	2022-Jul-14	2011-Aug-17	2012-May-01	2022-Jul-12	2011-Aug-17	2012-May-01	2022-Jul-13	2011-Aug-17	2012-May-01	2023-Jan-19	2023-Jan-19	2011-Aug-17
Parameter	**Units**	**Max Concentratio**	**MECP-2011-GW-T7-FMT**	**Sample Depth**	**2.4 - 3.8**	**2.4 - 3.8**	**2.4 - 3.8**	**1.7 - 4.7**	**1.7 - 4.7**	**1.7 - 4.7**	**0.9 - 2.4**	**0.9 - 2.4**	**0.9 - 2.4**	**3.7 - 6.6**	**3.7 - 6.6**	**3.7 - 6.6**	**1.5 - 3.6**	**1.5 - 3.6**	**1.5 - 3.6**	**1.6 - 3.7**	**2.1 - 5.1**
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																	
Benzene	µg/L	2250	0.5	0.2, 2	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2	<0.2	<0.1
Ethylbenzene	µg/L	<500	57	0.1, 1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Toluene	µg/L	84800	320	0.2, 2	<0.2	<0.5	<0.2	<0.2	<0.5	<0.2	<0.2	<0.5	<0.2	<0.2	<0.5	<0.2	<0.2	<0.5	<0.2	<0.2	<0.2
Xylene, m+p-	µg/L	534	-	0.2, 2	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2	<0.1	<0.5	<0.2	<0.2	<0.1
Xylene, o-	µg/L	<500	-	0.1, 1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	-	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1
Xylenes, total	µg/L	<1000	72	0.2	<0.1	-	<0.2	<0.1	-	<0.2	<0.1	<1	<0.2	<0.1	-	<0.2	<0.1	-	<0.2	<0.2	<0.1
Petroleum Hydrocarbons																					
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	77400	420	25, 100	<100	<100	<25	200	<100	<25	<100	<100	<25	<100	<100	<25	<100	<100	<25	<25	<100
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	2200	150	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	1700	500	100, 200	<200	<200	<100	<200	<200	<100	<200	<200	<100	<200	<200	<100	<200	<200	<100	<100	400
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	1100	500	100, 200	<200	<200	<100	<200	<200	<100	<200	<200	<100	<200	<200	<100	<200	<200	<100	<100	<200

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 9 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Groundwater				Sample ID	MW130-12	MW130-22	MW146-11	MW146-12	MW146-22	MW148-11	MW148-12	MW148-22	MW149-11	MW149-12	MW149-22	MW151-11	MW151.1-11 (MW151)	MW151-12	MW151-22
				Sample Date	2012-May-01	2022-Jul-13	2011-Aug-18	2012-May-01	2022-Jul-12	2011-Aug-18	2012-May-01	2022-Jul-13	2011-Aug-18	2012-May-01	2022-Jul-13	2011-Aug-18	2011-Aug-18	2012-May-01	2022-Jul-13
Parameter	**Units**	**Max Concentratio**	**MECP-2011-GW-T7-FMT**	**Sample Depth**	**2.1 - 5.1**	**2.1 - 5.1**	**1.2 - 3.0**	**1.2 - 3.0**	**1.2 - 3.0**	**1.2 - 3.0**	**1.2 - 3.0**	**1.2 - 3.0**	**1.1 - 2.2**	**1.1 - 2.2**	**1.1 - 2.2**	**1.6 - 4.5**	**1.6 - 4.5**	**1.6 - 4.5**	**1.6 - 4.5**
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**															
Benzene	µg/L	2250	0.5	0.2, 2	<0.5	<0.2	<0.1	<0.5	<0.2	<0.1	<500	<2	0.2	<0.5	<0.2	<0.1	<0.1	<0.5	<0.2
Ethylbenzene	µg/L	<500	57	0.1, 1	<0.5	<0.1	0.1	<0.5	<0.1	39	<500	7.1	0.1	<0.5	<0.1	<0.1	<0.1	<0.5	<0.1
Toluene	µg/L	84800	320	0.2, 2	<0.5	<0.2	<0.2	<0.5	<0.2	<0.2	84800	8830	<0.2	<0.5	<0.2	<0.2	<0.2	<0.5	<0.2
Xylene, m+p-	µg/L	534	-	0.2, 2	<0.5	<0.2	<0.1	<0.5	<0.2	98	<500	16.4	0.2	<0.5	<0.2	<0.1	<0.1	<0.5	<0.2
Xylene, o-	µg/L	<500	-	0.1, 1	<0.5	<0.1	0.1	<0.5	<0.1	15	<500	2.31	0.2	<0.5	<0.1	<0.1	<0.1	<0.5	<0.1
Xylenes, total	µg/L	<1000	72	0.2	-	<0.2	0.1	-	<0.2	110	<1000	18.7	0.5	<1	<0.2	<0.1	<0.1	-	<0.2
Petroleum Hydrocarbons																			
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	77400	420	25, 100	<100	<25	100	<100	<25	<100	77400	11700	<100	<100	<25	<100	<100	<100	<25
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	2200	150	100	<100	<100	2200	<100	100	<100	200	1700	<100	<100	110	<100	<100	<100	<100
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	1700	500	100, 200	<200	<100	1700	<200	<100	<200	<200	240	<200	<200	<100	900	<200	<200	<100
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	1100	500	100, 200	<200	<100	1100	<200	<100	<200	<200	<100	<200	<200	<100	200	<200	<200	<100

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 9 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Groundwater				Sample ID	MW151 (DUP1-22) (MW151)	MW152-11	MW152-12	MW152-22	MW156-12	MW156-22	MW201	W-Dup1 (MW20	MW202	MW203	MW204	MW205	Field Blank (MW205)	MW206	MW207
				Sample Date	2022-Jul-13	2011-Aug-17	2012-May-01	2022-Jul-12	2012-Dec-10	2022-Jul-13	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	1.6 - 4.5	2.1 - 5.1	2.1 - 5.1	2.1 - 5.1	2.0 - 5.0	2.0 - 5.0	5.4 - 8.4	5.4 - 8.4	2.3 - 5.2	3.3 - 6.0	1.7 - 4.7	4.6 - 7.6	4.6 - 7.6	5.2 - 8.2	8.3 - 11.3
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**															
Benzene	µg/L	2250	0.5	0.2, 2	<0.2	<0.1	<0.5	<0.2	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	141	<0.2	<0.2	30.6
Ethylbenzene	µg/L	<500	57	0.1, 1	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	0.8	<0.1	0.21	1.83	<0.1	<0.1	<0.1
Toluene	µg/L	84800	320	0.2, 2	<0.2	<0.2	4.33	<0.2	<0.5	<0.2	0.29	0.37	317	1.07	146	124	<0.2	<0.2	2.17
Xylene, m+p-	µg/L	534	-	0.2, 2	<0.2	<0.1	<0.5	<0.2	<0.5	<0.2	1.01	1.19	8.72	<0.2	0.5	29.8	<0.2	<0.2	10.6
Xylene, o-	µg/L	<500	-	0.1, 1	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1	0.5	0.56	3.18	<0.1	<0.1	8.52	<0.1	<0.1	8.68
Xylenes, total	µg/L	<1000	72	0.2	<0.2	<0.1	<1	<0.2	<1	<0.2	1.51	1.75	11.9	<0.2	0.5	38.3	<0.2	<0.2	19.3
Petroleum Hydrocarbons																			
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	77400	420	25, 100	<25	<100	<100	<25	-	<25	<25	<25	292	<25	124	329	<25	<25	72
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	2200	150	100	<100	<100	<100	<100	-	<100	<100	<100	880	<100	<100	<100	<100	<100	<100
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	1700	500	100, 200	<100	<200	<200	<100	-	<100	<100	<100	121	<100	<100	<100	<100	<100	<100
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	1100	500	100, 200	<100	<200	<200	<100	-	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 9 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Groundwater				Sample ID	MW208	MW209	MW210	MW211	MW212	MW213	GW-Dup3 (MW213)	Trip Blank (MW214)	MW214	MW215	GW-Dup2 (MW215)	MW217	MW218	MW219	MW220	MW221
				Sample Date	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-24	2023-Jan-24	2023-Jan-23	2023-Jan-23	2023-Jan-24	2023-Jan-24	2023-Jan-25	2023-Jan-25	2023-Jan-24
Parameter	**Units**	**Max Concentratio**	**MECP-2011-GW-T7-FMT**	**Sample Depth**	**4.9 - 7.9**	**0.6 - 3.6**	**0.3 - 3.3**	**0.6 - 3.6**	**1.2 - 2.7**	**0.7 - 3.7**	**0.7 - 3.7**	**1.2 - 3.6**	**1.2 - 3.6**	**1.6 - 4.5**	**1.6 - 4.5**	**1.7 - 4.7**	**1.0 - 2.4**	**1.0 - 3.9**	**1.0 - 2.5**	**1.0 - 2.5**
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**																
Benzene	µg/L	2250	0.5	0.2, 2	2250	<0.2	20.6	<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
Ethylbenzene	µg/L	<500	57	0.1, 1	42.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.62	<0.1	<0.1	<0.1
Toluene	µg/L	84800	320	0.2, 2	2170	<0.2	15	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.33	6.88	<0.2	<0.2	15.4
Xylene, m+p-	µg/L	534	-	0.2, 2	534	<0.2	2.04	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	4.01	<0.2	<0.2	<0.2
Xylene, o-	µg/L	<500	-	0.1, 1	166	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.51	<0.1	<0.1	<0.1
Xylenes, total	µg/L	<1000	72	0.2	700	<0.2	2.64	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	5.52	<0.2	<0.2	<0.2
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	77400	420	25, 100	5170	<25	45	<25	<25	<25	<25	<25	<25	<25	<25	126	33	<25	<25	<25
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	2200	150	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	267	315	<100	283
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	1700	500	100, 200	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	1100	500	100, 200	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 9 - Osprey Shores Analytical Chemistry Results: BTEX, PHCs in Groundwater				Sample ID	MW222	MW223	MW224	MW228	OW2-11
				Sample Date	2023-Jan-24	2023-Jan-24	2023-Jan-25	2023-Jan-23	2011-Aug-18
Parameter	Units	Max Concentratio	MECP-2011-GW-T7-FMT	Sample Depth	1.1 - 2.6	1.5 - 3.0	1.3 - 4.3	1.2 - 4.2	-
Benzene, Toluene, Ethylbenzene, & Xylenes				**Detection Limit**					
Benzene	µg/L	2250	0.5	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.1
Ethylbenzene	µg/L	<500	57	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	µg/L	84800	320	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene, m+p-	µg/L	534	-	0.2, 2	<0.2	<0.2	<0.2	<0.2	<0.1
Xylene, o-	µg/L	<500	-	0.1, 1	<0.1	<0.1	<0.1	<0.1	<0.1
Xylenes, total	µg/L	<1000	72	0.2	<0.2	<0.2	<0.2	<0.2	<0.1
Petroleum Hydrocarbons									
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	77400	420	25, 100	<25	<25	<25	<25	<100
Petroleum Hydrocarbons F2 (C10-C16)	µg/L	2200	150	100	<100	<100	<100	<100	<100
Petroleum Hydrocarbons F3 (C16-C34)	µg/L	1700	500	100, 200	<100	<100	<100	<100	<200
Petroleum Hydrocarbons F4 (C34-C50)	µg/L	1100	500	100, 200	<100	<100	<100	<100	<200

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 10 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Groundwater				Sample ID	MW4	MW22-11	Trip Blank 2-12 (MW22)	MW22-12	MW22-22	MW23-11	MW23-12	MW23-22	MW23 (DUP2-22) (MW23)	MW24-11	Trip Blank 1-12 (MW24)	MW24-12	MW24.1-12 (MW24)	MW24-22	MW25-11
				Sample Date	2011-Aug-18	2011-Aug-18	2012-Apr-30	2012-May-01	2022-Jul-12	2011-Aug-18	2012-May-01	2022-Jul-14	2022-Jul-14	2011-Aug-18	2012-Apr-30	2012-May-01	2012-May-01	2022-Jul-12	2011-Aug-17
Parameter	**Units**	**Max Concentratio**	**MECP-2011-GW-T7-FMT**	**Sample Depth**	**-**	**1.7 - 4.7**	**1.7 - 4.7**	**1.7 - 4.7**	**1.7 - 4.7**	**1.2 - 3.4**	**1.2 - 3.4**	**1.2 - 3.4**	**1.2 - 3.4**	**1.5 - 4.5**	**1.5 - 4.5**	**1.5 - 4.5**	**1.5 - 4.5**	**1.5 - 4.5**	**4.7 - 7.7**
Other Regulated Parameters				**Detection Limit**															
Chloride	µg/L	5760000	1800000	, 122, 244, 488, 1	10000	285000	<1000	347000	275000	24000	24000	34700	35200	48000	<1000	50000	56000	659000	622000
Chromium (hexavalent)	µg/L	5.31	110	2	-	-	-	-	<2	-	-	<2	<2	-	-	-	-	<2	-
Cyanide	µg/L	<2	52	2	-	-	-	-	<2	-	-	<2	<2	-	-	-	-	<2	-
Electrical Conductivity	µS/cm	3860000	-	2	-	1720	<5	1860	1710	844	754	961	962	1210	<5	1180	1210	2640	2790
Electrical Conductivity	µg/L	860000	-	5000	860000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	µg/L	0.2	0.1	0.02, 0.1	<0.1	<0.1	<0.1	<0.1	<0.02	<0.1	<0.1	<0.02	<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.1
Sodium, total	µg/L	24000	1800000	2000	24000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	8.17	-		-	7.94	5.73	7.86	7.55	7.97	7.91	7.78	7.75	7.95	5.63	7.92	7.94	7.54	8.02
pH	µg/L	7820	-		7820	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																			
Polychlorinated biphenyls	µg/L	6.8	0.2	0.1	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	0.1

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 10 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Groundwater				Sample ID	MW25-12	MW25-22	MW26-11	MW26.1-11 (MW26)	MW26-12	MW26-22	MW50-11	MW50-12	MW50-22	MW78-11	MW78-12	MW78-22	MW79-11	MW79-12	MW79-22	MW80-11	MW80-12
				Sample Date	2012-May-01	2022-Jul-12	2011-Aug-17	2011-Aug-17	2012-May-01	2022-Jul-14	2011-Aug-17	2012-May-01	2022-Jul-13	2011-Aug-17	2012-May-01	2022-Jul-12	2011-Aug-17	2012-May-01	2022-Jul-14	2011-Aug-17	2012-May-01
Parameter	**Units**	**Max Concentratio**	**MECP-2011-GW-T7-FMT**	**Sample Depth**	**4.7 - 7.7**	**4.7 - 7.7**	**1.5 - 4.5**	**1.5 - 4.5**	**1.5 - 4.5**	**1.5 - 4.5**	**2.4 - 5.4**	**2.4 - 5.4**	**2.4 - 5.4**	**2.7 - 5.6**	**2.7 - 5.6**	**2.7 - 5.6**	**1.9 - 4.9**	**1.9 - 4.9**	**1.9 - 4.9**	**2.4 - 3.8**	**2.4 - 3.8**
Other Regulated Parameters				**Detection Limit**																	
Chloride	µg/L	5760000	1800000	, 122, 244, 488, 1	1240000	1210000	217000	215000	150000	205000	41000	24000	5220	118000	169000	30000	25000	20000	34500	80000	59000
Chromium (hexavalent)	µg/L	5.31	110	2	-	<2	-	-	-	<2	-	-	<2	-	-	<2	-	-	<2	-	-
Cyanide	µg/L	<2	52	2	-	<2	-	-	-	<2	-	-	<2	-	-	<2	-	-	<2	-	-
Electrical Conductivity	µS/cm	3860000	-	2	4740	4160	1590	1610	1490	1510	1170	996	1120	1550	1720	1120	911	805	964	1120	1140
Electrical Conductivity	µg/L	860000	-	5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	µg/L	0.2	0.1	0.02, 0.1	<0.1	<0.02	<0.1	<0.1	<0.1	<0.02	<0.1	<0.1	<0.02	<0.1	<0.1	<0.02	<0.1	<0.1	<0.02	<0.1	<0.1
Sodium, total	µg/L	24000	1800000	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	8.17	-		8.17	7.9	7.55	7.69	7.87	7.7	7.89	7.91	7.62	7.65	7.95	7.43	7.7	7.97	7.72	7.78	7.97
pH	µg/L	7820	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	µg/L	6.8	0.2	0.1	6.8	<0.1	<0.05	<0.05	<0.1	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	-	<0.1	<0.1	-	<0.1

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 10 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Groundwater				Sample ID	MW80-22	MW81-11	MW81-12	MW81-22	MW82-11	MW82-12	MW82-22	MW84-11	MW84-12	MW84-22	MW121-11	MW121-12	MW121	MW128R	MW130-11	MW130-12	MW130-22
				Sample Date	2022-Jul-12	2011-Aug-17	2012-May-01	2022-Jul-14	2011-Aug-17	2012-May-01	2022-Jul-12	2011-Aug-17	2012-May-01	2022-Jul-13	2011-Aug-17	2012-May-01	2023-Jan-19	2023-Jan-19	2011-Aug-17	2012-May-01	2022-Jul-13
Parameter	**Units**	**Max Concentratio**	**MECP-2011-GW-T7-FMT**	**Sample Depth**	**2.4 - 3.8**	**1.7 - 4.7**	**1.7 - 4.7**	**1.7 - 4.7**	**0.9 - 2.4**	**0.9 - 2.4**	**0.9 - 2.4**	**3.7 - 6.6**	**3.7 - 6.6**	**3.7 - 6.6**	**1.5 - 3.6**	**1.5 - 3.6**	**1.5 - 3.6**	**1.6 - 3.7**	**2.1 - 5.1**	**2.1 - 5.1**	**2.1 - 5.1**
Other Regulated Parameters				**Detection Limit**																	
Chloride	µg/L	5760000	1800000	, 122, 244, 488, 1	48400	322000	189000	336000	187000	251000	362000	991000	91000	1680000	55000	37000	31700	16800	74000	19000	9680
Chromium (hexavalent)	µg/L	5.31	110	2	<2	-	-	<2	-	-	<2	-	-	<2	-	-	<2	<2	-	-	<2
Cyanide	µg/L	<2	52	2	<2	-	-	<2	-	-	<2	-	-	<2	-	-	<2	<2	-	-	<2
Electrical Conductivity	µS/cm	3860000	-	2	961	1870	1580	1810	1520	1750	1830	3860000	1080	5360	1360	1410	1440	1460	1170	1280	816
Electrical Conductivity	µg/L	860000	-	5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	µg/L	0.2	0.1	0.02, 0.1	<0.02	<0.1	<0.1	<0.02	<0.1	<0.1	<0.02	0.1	<0.1	<0.02	0.1	<0.1	<0.02	<0.02	<0.1	<0.1	<0.02
Sodium, total	µg/L	24000	1800000	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	8.17	-		7.53	7.65	7.89	7.65	7.54	7.82	7.32	7.79	8.04	7.59	7.67	7.73	7.4	7.56	7.87	7.77	7.68
pH	µg/L	7820	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	µg/L	6.8	0.2	0.1	<0.1	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1	-	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 10 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Groundwater				Sample ID	MW146-11	MW146-12	MW146-22	MW148-11	MW148-12	MW148-22	MW149-11	MW149-12	MW149-22	MW151-11	MW151.1-11 (MW151)	MW151-12	MW151-22	MW151 (DUP1-22) (MW151)	MW152-11	MW152-12
				Sample Date	2011-Aug-18	2012-May-01	2022-Jul-12	2011-Aug-18	2012-May-01	2022-Jul-13	2011-Aug-18	2012-May-01	2022-Jul-13	2011-Aug-18	2011-Aug-18	2012-May-01	2022-Jul-13	2022-Jul-13	2011-Aug-17	2012-May-01
Parameter	**Units**	**Max Concentratio**	**MECP-2011-GW-T7-FMT**	**Sample Depth**	**1.2 - 3.0**	**1.2 - 3.0**	**1.2 - 3.0**	**1.2 - 3.0**	**1.2 - 3.0**	**1.2 - 3.0**	**1.1 - 2.2**	**1.1 - 2.2**	**1.1 - 2.2**	**1.6 - 4.5**	**1.6 - 4.5**	**1.6 - 4.5**	**1.6 - 4.5**	**1.6 - 4.5**	**2.1 - 5.1**	**2.1 - 5.1**
Other Regulated Parameters				**Detection Limit**																
Chloride	µg/L	5760000	1800000	, 122, 244, 488, 1	124000	168000	400000	28000	3000	3090	54000	22000	53300	119000	117000	166000	100000	102000	232000	290000
Chromium (hexavalent)	µg/L	5.31	110	2	-	-	<2	-	-	<2	-	-	<2	-	-	-	<2	<2	-	-
Cyanide	µg/L	<2	52	2	-	-	<2	-	-	<2	-	-	<2	-	-	-	<2	<2	-	-
Electrical Conductivity	µS/cm	3860000	-	2	1100	1210	1870	788	727	673	766	668	841	1340	1340	1450	1360	1360	1470	1610
Electrical Conductivity	µg/L	860000	-	5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	µg/L	0.2	0.1	0.02, 0.1	<0.1	<0.1	<0.02	<0.1	<0.1	<0.02	0.2	<0.1	<0.02	<0.1	<0.1	<0.1	<0.02	<0.02	<0.1	<0.1
Sodium, total	µg/L	24000	1800000	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	8.17	-		7.97	8	7.51	7.8	7.79	7.32	7.9	8.01	7.62	8	8.02	8.01	7.38	7.56	7.85	8.04
pH	µg/L	7820	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																				
Polychlorinated biphenyls	µg/L	6.8	0.2	0.1	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 10 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Groundwater				Sample ID	MW152-22	MW156-22	MW201	GW-Dup1 (MW201)	MW202	MW203	MW204	MW205	eld Blank (MW20	MW206	MW207	MW208	MW209	MW210	MW211	MW212	MW213
				Sample Date	2022-Jul-12	2022-Jul-13	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-19	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23	2023-Jan-23
Parameter	**Units**	**Max Concentratio**	**MECP-2011-GW-T7-FMT**	**Sample Depth**	**2.1 - 5.1**	**2.0 - 5.0**	**5.4 - 8.4**	**5.4 - 8.4**	**2.3 - 5.2**	**3.3 - 6.0**	**1.7 - 4.7**	**4.6 - 7.6**	**4.6 - 7.6**	**5.2 - 8.2**	**8.3 - 11.3**	**4.9 - 7.9**	**0.6 - 3.6**	**0.3 - 3.3**	**0.6 - 3.6**	**1.2 - 2.7**	**0.7 - 3.7**
Other Regulated Parameters				**Detection Limit**																	
Chloride	µg/L	5760000	1800000	, 122, 244, 488, 1	581000	182000	533000	540000	4350	84100	27400	228000	<100	5760000	1060000	2170000	15500	11700	15800	8380	10800
Chromium (hexavalent)	µg/L	5.31	110	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Cyanide	µg/L	<2	52	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Electrical Conductivity	µS/cm	3860000	-	2	2230	1210	2520	2530	927	1030	596	1650	<2	15800	4500	7090	888	837	717	978	900
Electrical Conductivity	µg/L	860000	-	5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	µg/L	0.2	0.1	0.02, 0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Sodium, total	µg/L	24000	1800000	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	8.17	-		7.61	7.5	7.42	7.47	7.26	7.57	7.69	7.68	6.36	7.24	7.59	7.74	7.4	7.6	7.63	7.35	7.43
pH	µg/L	7820	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																					
Polychlorinated biphenyls	µg/L	6.8	0.2	0.1	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	0.19	<0.1	<0.1	<0.1	<0.1	<0.1

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 10 - Osprey Shores Analytical Chemistry Results: ORPs, PCBs in Groundwater				Sample ID	GW-Dup3 (MW213)	Trip Blank (MW214)	MW215	GW-Dup2 (MW215)	MW216	MW217	MW218	MW219	MW220	MW222	MW224	MW228	OW2-11
				Sample Date	2023-Jan-23	2023-Jan-24	2023-Jan-23	2023-Jan-23	2023-Jan-24	2023-Jan-24	2023-Jan-24	2023-Jan-25	2023-Jan-25	2023-Jan-24	2023-Jan-25	2023-Jan-23	2011-Aug-18
Parameter	**Units**	**Max Concentratio**	**MECP-2011-GW-T7-FMT**	**Sample Depth**	**0.7 - 3.7**	**1.2 - 3.6**	**1.6 - 4.5**	**1.6 - 4.5**	**1.5 - 3.0**	**1.7 - 4.7**	**1.0 - 2.4**	**1.0 - 3.9**	**1.0 - 2.5**	**1.1 - 2.6**	**1.3 - 4.3**	**1.2 - 4.2**	**-**
Other Regulated Parameters				**Detection Limit**													
Chloride	µg/L	5760000	1800000	, 122, 244, 488, 1	11300	<100	12600	12800	-	30000	47800	3910	27400	147000	21900	85500	16000
Chromium (hexavalent)	µg/L	5.31	110	2	<2	<2	<2	<2	-	<2	<2	<2	<2	5.31	<2	<2	-
Cyanide	µg/L	<2	52	2	<2	<2	<2	<2	-	<2	<2	<2	<2	<2	<2	<2	-
Electrical Conductivity	µS/cm	3860000	-	2	904	<2	873	876	-	831	1200	1050	1080	1200	735	2220	605
Electrical Conductivity	µg/L	860000	-	5000	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	µg/L	0.2	0.1	0.02, 0.1	<0.02	<0.02	<0.02	<0.02	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1
Sodium, total	µg/L	24000	1800000	2000	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units	8.17	-		7.55	5.58	7.34	7.24	-	7.76	7.67	7.28	7.75	7.66	7.82	7.45	7.87
pH	µg/L	7820	-		-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																	
Polychlorinated biphenyls	µg/L	6.8	0.2	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	<0.1	<0.1	<0.05

-LEGEND-

Detection Limit	DL: May vary between sample locations and events
DL exceeds criteria	
Concentration exceeds MECP-2011-GW-T7-FMT	Soil, Ground Water and Sediment Standards for Uses Under Part XV.1 of the Environmental Protection Act (MECP, 2011) Table 7 SCS (Ground Water) All Types of Property Uses with Fine/Medium-Textured soils

Table 11 - Osprey Shores QA/QC Results Soil		Sample ID	BH/MW 130-SS3	BH/MW 130-SS3.1	RPD	BH/MW 149-SS2	BH/MW 149-SS2.1	RPD	BH/MW 24-SS2	BH/MW 24-SS2.1	RPD	BH/MW 81-SS1	BH/MW 81-SS1.1	RPD	BH104-SS2.1	RPD
		Sample Date	2011-Jul-25	2011-Jul-25		2011-Jul-28	2011-Jul-28		2011-Jun-24	2011-Jun-24		2011-Jul-11	2011-Jul-11		2011-Jul-18	
Parameter	Units	Sample Depth	1.2 - 1.8	1.2 - 1.8		0.9 - 1.5	0.9 - 1.5		0.6 - 1.2	0.6 - 1.2		0.9	0.9		0.9	
Acids, Bases, Neutrals		**Detection Limit**														
Biphenyl, 1,1-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	<0.05	<0.05	NC	-	-
Bis(2-chloro-1-methylethyl)ether	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.1	<0.1	NC	-	-
Bis(2-chloroethyl)ether	ug/g	0.1, 0.3	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.3	<0.3	NC	<0.1	<0.1	NC	-	-
Bis(2-ethylhexyl)phthalate	ug/g	0.2, 0.4	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.4	<0.4	NC	0.1	<0.1	NC	-	-
Chloroaniline, p-	ug/g	0.1, 0.5	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC	-	-
Dichlorobenzidine, 3,3-	ug/g	0.5, 0.6	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.6	<0.6	NC	<0.1	<0.1	NC	-	-
Diethyl phthalate	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.1	<0.1	NC	-	-
Dimethylphenol, 2,4-	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.1	<0.1	NC	-	-
Dimethyl phthalate	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.1	<0.1	NC	-	-
Dinitrophenol, 2,4-	ug/g	0.2, 2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.1	<0.1	NC	-	-
Dinitrotoluene, 2,4+2,6-	ug/g	0.2, 0.5	<0.2	<0.2	NC	<0.2	<0.2	NC	<1.2	<1.2	NC	<0.2	<0.2	NC	<0.2	NC
Phenol	ug/g	0.1, 0.5	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	0.3	NC	-	-
Trichlorobenzene, 1,2,4-	ug/g	0.04, 0.05	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.1	<0.1	NC	-	-
Benzene, Toluene, Ethylbenzene, & Xylenes																
Benzene	ug/g	0.02, 0.05	<0.02	<0.02	NC	<0.02	<0.02	NC	-	<0.05	NC	<0.02	<0.02	NC	-	-
Ethylbenzene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	<0.05	NC	<0.05	<0.05	NC	-	-
Toluene	ug/g	0.05	<0.2	<0.2	NC	<0.2	<0.2	NC	-	<0.2	NC	<0.2	<0.2	NC	-	-
Xylene, m+p-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	<0.05	NC	<0.05	<0.05	NC	-	-
Xylene, o-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	<0.05	NC	<0.05	<0.05	NC	-	-
Xylenes, total	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	<0.05	NC	<0.05	<0.05	NC	-	-
Chlorophenols																
Chlorophenol, 2-	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-
Dichlorophenol, 2,4-	ug/g	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-
Pentachlorophenol	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-
Trichlorophenol, 2,4,5-	ug/g	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC	-	-
Trichlorophenol, 2,4,6-	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-
Hydride-Forming Metals																
Antimony, total	ug/g	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, total	ug/g	0.1, 1	<1	1	0%	1	1	0%	51	39	27%	-	-	-	-	-
Selenium, total	ug/g	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																
Barium, total	ug/g	0.1, 2	41	41	0%	19	18	5%	227	242	6%	-	-	-	-	-
Beryllium, total	ug/g	0.4, 0.5	<1	<1	NC	<1	<1	NC	1	1	NC	-	-	-	-	-
Boron, total	ug/g	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, total	ug/g	0.1, 0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	0.5	<0.5	0%	-	-	-	-	-
Chromium, total	ug/g	0.2, 5	11	14	24%	7	6	15%	28	33	16%	-	-	-	-	-
Cobalt, total	ug/g	0.5, 5	3	3	NC	3	2	NC	7	7	NC	-	-	-	-	-
Copper, total	ug/g	0.1, 1	5	7	33%	4	3	29%	31	32	3%	-	-	-	-	-
Lead, total	ug/g	1, 50	4	5	NC	4	4	NC	18	16	NC	-	-	-	-	-
Molybdenum, total	ug/g	0.5	<1	<1	NC	<1	<1	NC	73	42	54%	-	-	-	-	-
Nickel, total	ug/g	1, 50	9	12	NC	7	6	NC	55	48	NC	-	-	-	-	-
Silver, total	ug/g	0.5	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	-	-	-	-	-
Thallium, total	ug/g	0.5, 20	<1	<1	NC	<1	<1	NC	<1	<1	NC	-	-	-	-	-
Uranium, total	ug/g	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, total	ug/g	0.4, 1	14	16	13%	6	5	18%	851	799	6%	-	-	-	-	-
Zinc, total	ug/g	0.005, 5	10	12	18%	5	5	0%	49	45	9%	-	-	-	-	-
Organochlorine Pesticides																
Hexachlorobenzene	ug/g	0.01	-	-	-	-	-	-	<0.2	<0.2	NC	-	-	-	-	-
Hexachlorobutadiene	ug/g	0.01	-	-	-	-	-	-	<0.01	<0.01	NC	-	-	-	-	-
Hexachloroethane	ug/g	0.01	-	-	-	-	-	-	<0.2	<0.2	NC	-	-	-	-	-
Other Regulated Parameters																
Boron, total (Hot Water Soluble)	ug/g	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (hexavalent)	ug/g	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	ug/g	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity	mS/cm	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, total	ug/g	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	0.9	0.7	25%	-	-	-	-	-
Sodium adsorption ratio	N/A		-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	pH units		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	5, 10	<10	<10	NC	<10	<10	NC	<10	<10	NC	<10	<10	NC	-	-
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	10	<10	<10	NC	<10	<10	NC	<10	<10	NC	<10	<10	NC	-	-
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	20, 50	<20	<20	NC	<20	<20	NC	30	30	NC	<20	<20	NC	-	-
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	20, 50	<20	<20	NC	<20	<20	NC	<20	<20	NC	<20	<20	NC	-	-
Petroleum Hydrocarbons F4G-SG (GHH-Silica)	ug/g	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls																
Polychlorinated biphenyls	ug/g	0.02, 0.1	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	0.04	NC	-	-
Polycyclic Aromatic Hydrocarbons																
Acenaphthene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.07	<0.07	NC	<0.05	<0.05	NC	-	-
Acenaphthylene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.08	<0.08	NC	<0.05	<0.05	NC	-	-
Anthracene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.1	<0.1	NC	<0.05	<0.05	NC	-	-
Benzo[a]anthracene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.1	0.1	NC	<0.05	<0.05	NC	-	-
Benzo[a]pyrene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.1	0.1	NC	<0.05	<0.05	NC	-	-
Benzo[b]fluoranthene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.1	<0.1	NC	<0.05	<0.05	NC	-	-
Benzo[g,h,i]perylene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.1	<0.1	NC	<0.05	<0.05	NC	-	-
Benzo[k]fluoranthene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.1	<0.1	NC	<0.05	<0.05	NC	-	-
Chrysene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.1	0.2	NC	<0.05	<0.05	NC	-	-
Dibenzo[a,h]anthracene	ug/g	0.05	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-
Fluoranthene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.1	0.2	NC	<0.05	<0.05	NC	-	-
Fluorene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.1	<0.1	NC	<0.05	<0.05	NC	-	-
Indeno[1,2,3-cd]pyrene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.1	<0.1	NC	<0.05	<0.05	NC	-	-
Methylnaphthalene, 1+2-	ug/g	0.05	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC	<0.1	NC
Methylnaphthalene, 1-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	<0.05	<0.05	NC	-	-
Methylnaphthalene, 2-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	<0.05	<0.05	NC	-	-
Naphthalene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	0.18	0.2	NC	<0.05	<0.05	NC	-	-
Phenanthrene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	0.2	0.3	NC	<0.05	<0.05	NC	-	-
Pyrene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.1	0.2	NC	<0.05	<0.05	NC	-	-
Trihalomethanes																
Bromodichloromethane	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Bromoform	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Chloroform	ug/g	0.04, 0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Dibromochloromethane	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Volatile Organic Compounds																
Acetone	ug/g	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Chlorobenzene	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	<0.05	<0.05	NC	-	-
Dichlorobenzene, 1,3-	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	<0.05	<0.05	NC	-	-
Dichlorobenzene, 1,4-	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	<0.05	<0.05	NC	-	-
Dichlorodifluoromethane	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Dichloroethane, 1,1-	ug/g	0.02, 0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Dichloroethane, 1,2-	ug/g	0.03, 0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Dichloroethene, 1,1-	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Dichloroethene, cis-1,2-	ug/g	0.02, 0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Dichloroethene, trans-1,2-	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Dichloropropane, 1,2-	ug/g	0.03, 0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Dichloropropene, 1,3-	ug/g	0.05	-	-	-	<0.1	<0.1	NC	-	<0.1	NC	-	-	-	-	-
Dichloropropene, cis-1,3-	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Dichloropropene, trans-1,3-	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Ethylene dibromide	ug/g	0.04, 0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Hexane, n-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK)	ug/g	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	ug/g	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	ug/g	0.04, 0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Tetrachloroethene	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Trichloroethane, 1,1,1-	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Trichloroethane, 1,1,2-	ug/g	0.04, 0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Trichloroethene	ug/g	0.03, 0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Trichlorofluoromethane	ug/g	0.05	-	-	-	<0.05	<0.05	NC	-	<0.05	NC	-	-	-	-	-
Vinyl Chloride	ug/g	0.002, 0.02	-	-	-	<0.02	<0.02	NC	-	<0.02	NC	-	-	-	-	-

-LEGEND-

Detection Limit	May vary between sample locations and events
RPD	Relative Percent Difference
NC	No Calculation; the concentrations of at least one duplicate sample was non-detect or measured at a concentration less than 5 times the Detection Limit
Orange	RPD exceeds 60% (Soil data quality objective*)

*Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment, Volume 1 Guidance Manual, Canadian Council of Ministers of the Environment, 2016

Table 11 - Osprey Shores QA/QC Results Soil		Sample ID	BH104-SS2	BH104-SS2.1	RPD	BH116-SS1	BH116-SS1.1	RPD	BH122-SS2	BH122-SS2.1	RPD	BH141-SS2	BH141-SS2.1	RPD	BH202 SS2	BH202 SS2-Dup	RPD	BH213 SS2	BH213 SS2-Dup	RPD
		Sample Date	2011-Jul-18	2011-Jul-18		2011-Jul-20	2011-Jul-20		2011-Jul-22	2011-Jul-22		2011-Jul-27	2011-Jul-27		2022-Dec-22	2022-Dec-22		2022-Dec-19	2022-Dec-19	
Parameter	Units	Sample Depth	0.8 - 1.4	0.8 - 1.4		0.8	0.8		1.3 - 1.9	1.3 - 1.9		0.6 - 1.2	0.6 - 1.2		0.8 - 1.4	0.8 - 1.4		0.8 - 1.4	0.8 - 1.4	
Acids, Bases, Neutrals		**Detection Limit**																		
Biphenyl, 1,1-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Bis(2-chloro-1-methylethyl)ether	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Bis(2-chloroethyl)ether	ug/g	0.1, 0.3	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Bis(2-ethylhexyl)phthalate	ug/g	0.2, 0.4	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Chloroaniline, p-	ug/g	0.1, 0.5	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Dichlorobenzidine, 3,3-	ug/g	0.5, 0.6	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Diethyl phthalate	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Dimethylphenol, 2,4-	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Dimethyl phthalate	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Dinitrophenol, 2,4-	ug/g	0.2, 2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<2	<2	NC	<2	<2	NC
Dinitrotoluene, 2,4+2,6-	ug/g	0.2, 0.5	<0.2	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Phenol	ug/g	0.1, 0.5	0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Trichlorobenzene, 1,2,4-	ug/g	0.04, 0.05	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Benzene, Toluene, Ethylbenzene, & Xylenes																				
Benzene	ug/g	0.02, 0.05	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC
Ethylbenzene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Toluene	ug/g	0.05	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	0.8	0.7	13%	<0.05	<0.05	NC
Xylene, m+p-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Xylene, o-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Xylenes, total	ug/g	0.05	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Chlorophenols																				
Chlorophenol, 2-	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Dichlorophenol, 2,4-	ug/g	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Pentachlorophenol	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Trichlorophenol, 2,4,5-	ug/g	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Trichlorophenol, 2,4,6-	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Hydride-Forming Metals																				
Antimony, total	ug/g	0.8	-	-	-	-	-	-	-	-	-	-	-	-	<0.8	<0.8	NC	<0.8	<0.8	NC
Arsenic, total	ug/g	0.1, 1	2	2	0%	4	3	29%	2	1	67%	2	1	67%	2	2	NC	4	4	NC
Selenium, total	ug/g	0.8	-	-	-	-	-	-	-	-	-	-	-	-	<0.8	<0.8	NC	<0.8	<0.8	NC
Metals																				
Barium, total	ug/g	0.1, 2	67	66	2%	147	150	2%	42	39	7%	27	31	14%	35.5	35.5	0%	102	109	7%
Beryllium, total	ug/g	0.4, 0.5	<1	<1	NC	<1	<1	NC	<1	<1	NC	<1	<1	NC	<0.4	<0.4	NC	0.5	0.5	NC
Boron, total	ug/g	5	-	-	-	-	-	-	-	-	-	-	-	-	11	11	NC	11	11	NC
Cadmium, total	ug/g	0.1, 0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Chromium, total	ug/g	0.2, 5	15	13	14%	22	24	9%	9	9	0%	9	9	0%	12	12	NC	22	25	NC
Cobalt, total	ug/g	0.5, 5	5	5	NC	7	8	NC	4	4	NC	3	4	NC	4.1	4.2	2%	7.1	7.4	4%
Copper, total	ug/g	0.1, 1	6	6	0%	19	18	5%	8	10	22%	4	5	22%	7.8	8.1	4%	13.5	13.7	1%
Lead, total	ug/g	1, 50	6	6	NC	18	12	NC	6	5	NC	5	6	NC	8	8	0%	22	16	32%
Molybdenum, total	ug/g	0.5	<1	<1	NC	19	12	45%	1	<1	NC	<1	<1	NC	<0.5	<0.5	NC	1.5	1.4	NC
Nickel, total	ug/g	1, 50	12	11	NC	20	21	NC	11	10	NC	9	10	NC	11	10	10%	12	12	0%
Silver, total	ug/g	0.5	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Thallium, total	ug/g	0.5, 20	<1	<1	NC	<1	<1	NC	<1	<1	NC	<1	<1	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Uranium, total	ug/g	0.5	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	NC	<0.5	<0.5	NC
Vanadium, total	ug/g	0.4, 1	20	17	16%	27	29	7%	12	11	9%	7	8	13%	13.7	13.8	1%	26	28.6	10%
Zinc, total	ug/g	0.005, 5	17	16	6%	44	43	2%	14	10	33%	6	8	29%	14	14	NC	46	40	14%
Organochlorine Pesticides																				
Hexachlorobenzene	ug/g	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	ug/g	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	ug/g	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Regulated Parameters																				
Boron, total (Hot Water Soluble)	ug/g	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.12	0.12	NC	0.41	0.41	NC
Chromium (hexavalent)	ug/g	0.2	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC
Cyanide	ug/g	0.04	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	NC	<0.04	<0.04	NC
Electrical Conductivity	mS/cm	0.005	-	-	-	-	-	-	-	-	-	-	-	-	0.199	0.2	1%	0.236	0.222	6%
Mercury, total	ug/g	0.1	<0.1	<0.1	NC	0.3	0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	0.13	NC
Sodium adsorption ratio	N/A		-	-	-	-	-	-	-	-	-	-	-	-	0.05	0.064	25%	0.11	0.1	10%
pH	pH units		-	-	-	-	-	-	-	-	-	-	-	-	7.59	7.57	0%	7.75	7.78	0%
Petroleum Hydrocarbons																				
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	5, 10	<10	<10	NC	<10	<10	NC	<10	<10	NC	<10	<10	NC	<5	<5	NC	<5	<5	NC
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	10	<10	<10	NC	<10	<10	NC	<10	<10	NC	<10	<10	NC	<10	<10	NC	<10	<10	NC
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	20, 50	<20	<20	NC	<20	<20	NC	<20	<20	NC	<20	<20	NC	<50	<50	NC	<50	<50	NC
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	20, 50	<20	<20	NC	20	<20	NC	<20	<20	NC	<20	<20	NC	<50	<50	NC	<50	<50	NC
Petroleum Hydrocarbons F4G-SG (GHH-Silica)	ug/g	50	-	-	-	-	-	-	-	-	-	-	-	-			NC			NC
Polychlorinated Biphenyls																				
Polychlorinated biphenyls	ug/g	0.02, 0.1	<0.02	<0.02	NC	<0.02	<0.02	NC	0.06	<0.02	NC	<0.02	<0.02	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Acenaphthylene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Anthracene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Benzo[a]anthracene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	0.07	0.06	NC
Benzo[a]pyrene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	0.11	0.09	NC
Benzo[b]fluoranthene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	0.18	0.16	NC
Benzo[g,h,i]perylene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Benzo[k]fluoranthene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	0.1	0.11	NC
Chrysene	ug/g	0.05	<0.05	<0.05	NC	<0.05	0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	0.1	0.08	NC
Dibenzo[a,h]anthracene	ug/g	0.05	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Fluoranthene	ug/g	0.05	<0.05	<0.05	NC	0.06	0.08	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	0.18	0.16	NC
Fluorene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Indeno[1,2,3-cd]pyrene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Methylnaphthalene, 1+2-	ug/g	0.05	<0.1	-	-	<0.1	0.11	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Methylnaphthalene, 1-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-
Methylnaphthalene, 2-	ug/g	0.05	<0.05	<0.05	NC	<0.05	0.06	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-
Naphthalene	ug/g	0.05	<0.05	<0.05	NC	0.1	0.2	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Phenanthrene	ug/g	0.05	<0.05	<0.05	NC	<0.05	0.08	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	0.11	0.08	NC
Pyrene	ug/g	0.05	<0.05	<0.05	NC	0.05	0.07	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	0.17	0.16	NC
Trihalomethanes																				
Bromodichloromethane	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Bromoform	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Chloroform	ug/g	0.04, 0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	NC	<0.04	<0.04	NC
Dibromochloromethane	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Volatile Organic Compounds																				
Acetone	ug/g	0.5	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	NC	<0.5	<0.5	NC
Bromomethane	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Carbon tetrachloride	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Chlorobenzene	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Dichlorobenzene, 1,2-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Dichlorobenzene, 1,3-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Dichlorobenzene, 1,4-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Dichlorodifluoromethane	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Dichloroethane, 1,1-	ug/g	0.02, 0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.02	<0.02	NC	<0.02	<0.02	NC
Dichloroethane, 1,2-	ug/g	0.03, 0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.03	<0.03	NC	<0.03	<0.03	NC
Dichloroethene, 1,1-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Dichloroethene, cis-1,2-	ug/g	0.02, 0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.02	<0.02	NC	<0.02	<0.02	NC
Dichloroethene, trans-1,2-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Dichloropropane, 1,2-	ug/g	0.03, 0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.03	<0.03	NC	<0.03	<0.03	NC
Dichloropropene, 1,3-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Dichloropropene, cis-1,3-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene dibromide	ug/g	0.04, 0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	NC	<0.04	<0.04	NC
Hexane, n-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Methyl Ethyl Ketone (MEK)	ug/g	0.5	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	NC	<0.5	<0.5	NC
Methyl Isobutyl Ketone (MIBK)	ug/g	0.5	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	NC	<0.5	<0.5	NC
Methylene chloride	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Methyl tert-butyl ether (MTBE)	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Styrene	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Tetrachloroethane, 1,1,1,2-	ug/g	0.04, 0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	NC	<0.04	<0.04	NC
Tetrachloroethane, 1,1,2,2-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Tetrachloroethene	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Trichloroethane, 1,1,1-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Trichloroethane, 1,1,2-	ug/g	0.04, 0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.04	<0.04	NC	<0.04	<0.04	NC
Trichloroethene	ug/g	0.03, 0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.03	<0.03	NC	<0.03	<0.03	NC
Trichlorofluoromethane	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC
Vinyl Chloride	ug/g	0.002, 0.02	-	-	-	-	-	-	-	-	-	-	-	-	<0.02	<0.02	NC	<0.02	<0.02	NC

-LEGEND-

Detection Limit	May vary between sample locations and events
RPD	Relative Percent Difference
NC	No Calculation; the concentrations of at least one duplicate sample was non-detect or measured at a concentration less than 5 times the Detection Limit
Orange	RPD exceeds 60% (Soil data quality objective*)

*Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment, Volume 1 Guidance Manual, Canadian Council of Ministers of the Environment, 2016

Table 11 - Osprey Shores QA/QC Results Soil		Sample ID	BH220 SS1	BH220 SS1-DUP	RPD	BH223 SS1	BH223 SS1-DUP	RPD	BH87-SS3	BH87-SS3.1	RPD	TP10-2	QAQCF12-1	RPD	TP231b	TP231b-dup	RPD
		Sample Date	2022-Dec-22	2022-Dec-22		2022-Dec-22	2022-Dec-22		2011-Jul-13	2011-Jul-13		2012-Nov-28	2012-Nov-28		2022-Dec-13	2022-Dec-13	
Parameter	Units	Sample Depth	1.2	1.2		0.6	0.6		1.2 - 1.9	1.2 - 1.9		1.3 - 1.5	1.3 - 1.5		1.2 - 2.2	1.2 - 2.2	
Acids, Bases, Neutrals		**Detection Limit**															
Biphenyl, 1,1-	ug/g	0.05	0.15	0.09	NC	0.62	0.55	12%	<0.05	<0.05	NC	-	-	-	<0.05	<0.05	NC
Bis(2-chloro-1-methylethyl)ether	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.1	<0.1	NC
Bis(2-chloroethyl)ether	ug/g	0.1, 0.3	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.3	<0.3	NC	<0.1	<0.1	NC
Bis(2-ethylhexyl)phthalate	ug/g	0.2, 0.4	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.1	<0.1	NC	<0.4	<0.4	NC	<0.2	<0.2	NC
Chloroaniline, p-	ug/g	0.1, 0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-	<0.5	<0.5	NC
Dichlorobenzidine, 3,3-	ug/g	0.5, 0.6	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.1	<0.1	NC	<0.6	<0.6	NC	<0.5	<0.5	NC
Diethyl phthalate	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.1	<0.1	NC
Dimethylphenol, 2,4-	ug/g	0.1, 0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Dimethyl phthalate	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.1	<0.1	NC
Dinitrophenol, 2,4-	ug/g	0.2, 2	<2	<2	NC	<2	<2	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<2	<2	NC
Dinitrotoluene, 2,4+2,6-	ug/g	0.2, 0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.2	<0.2	NC	<0.22	-	-	<0.5	<0.5	NC
Phenol	ug/g	0.1, 0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.5	<0.5	NC
Trichlorobenzene, 1,2,4-	ug/g	0.04, 0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.1	<0.1	NC	<0.04	<0.04	NC	<0.05	<0.05	NC
Benzene, Toluene, Ethylbenzene, & Xylenes																	
Benzene	ug/g	0.02, 0.05	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	-	<0.02	NC	<0.02	<0.02	NC
Ethylbenzene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	-	<0.05	NC	<0.05	<0.05	NC
Toluene	ug/g	0.05	0.23	<0.05	NC	1.19	0.93	25%	<0.2	<0.2	NC	-	<0.2	NC	0.32	0.32	0%
Xylene, m+p-	ug/g	0.05	<0.05	<0.05	NC	0.42	0.53	23%	<0.05	<0.05	NC	-	<0.05	NC	<0.05	<0.05	NC
Xylene, o-	ug/g	0.05	<0.05	<0.05	NC	0.4	0.57	35%	<0.05	<0.05	NC	-	<0.05	NC	<0.05	<0.05	NC
Xylenes, total	ug/g	0.05	<0.05	<0.05	NC	0.82	1.1	29%	<0.05	<0.05	NC	-	-	-	<0.05	<0.05	NC
Chlorophenols																	
Chlorophenol, 2-	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Dichlorophenol, 2,4-	ug/g	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Pentachlorophenol	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Trichlorophenol, 2,4,5-	ug/g	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC
Trichlorophenol, 2,4,6-	ug/g	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Hydride-Forming Metals																	
Antimony, total	ug/g	0.8	<0.8	<0.8	NC	-	-	-	-	-	-	-	-	-	<0.8	<0.8	NC
Arsenic, total	ug/g	0.1, 1	3	2	NC	-	-	-	2	2	0%	2	-	-	5	5	0%
Selenium, total	ug/g	0.8	<0.8	<0.8	NC	-	-	-	-	-	-	-	-	-	1.6	1	NC
Metals																	
Barium, total	ug/g	0.1, 2	35.1	23.6	39%	-	-	-	124	142	14%	10	-	-	219	179	20%
Beryllium, total	ug/g	0.4, 0.5	<0.4	<0.4	NC	-	-	-	<1	<1	NC	<1	-	-	0.5	0.5	NC
Boron, total	ug/g	5	11	8	NC	-	-	-	-	-	-	-	-	-	13	11	NC
Cadmium, total	ug/g	0.1, 0.5	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC	<0.5	-	-	<0.5	<0.5	NC
Chromium, total	ug/g	0.2, 5	10	10	NC	-	-	-	25	28	11%	4	-	-	30	29	3%
Cobalt, total	ug/g	0.5, 5	3.1	2.8	10%	-	-	-	8	8	NC	2	-	-	5.4	5.8	7%
Copper, total	ug/g	0.1, 1	7.6	6.3	19%	-	-	-	16	17	6%	3	-	-	21.8	20.9	4%
Lead, total	ug/g	1, 50	22	11	67%	-	-	-	12	12	NC	5	-	-	77	75	3%
Molybdenum, total	ug/g	0.5	<0.5	<0.5	NC	-	-	-	<1	<1	NC	<1	-	-	2.8	2.4	NC
Nickel, total	ug/g	1, 50	8	7	13%	-	-	-	21	24	NC	4	-	-	8	9	12%
Silver, total	ug/g	0.5	<0.5	<0.5	NC	-	-	-	<0.2	<0.2	NC	<0.2	-	-	<0.5	<0.5	NC
Thallium, total	ug/g	0.5, 20	<0.5	<0.5	NC	-	-	-	<1	<1	NC	<1	-	-	<0.5	<0.5	NC
Uranium, total	ug/g	0.5	0.69	0.6	NC	-	-	-	-	-	-	-	-	-	0.54	0.54	NC
Vanadium, total	ug/g	0.4, 1	10.7	9.6	11%	-	-	-	32	34	6%	5	-	-	22.7	22.8	0%
Zinc, total	ug/g	0.005, 5	27	17	NC	-	-	-	42	45	7%	4	-	-	63	61	3%
Organochlorine Pesticides																	
Hexachlorobenzene	ug/g	0.01	-	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	-	-	-
Hexachlorobutadiene	ug/g	0.01	-	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	-	-	-
Hexachloroethane	ug/g	0.01	-	-	-	-	-	-	-	-	-	<0.01	<0.01	NC	-	-	-
Other Regulated Parameters																	
Boron, total (Hot Water Soluble)	ug/g	0.1	0.35	0.25	NC	-	-	-	-	-	-	-	-	-	0.31	0.32	NC
Chromium (hexavalent)	ug/g	0.2	<0.2	<0.2	NC	-	-	-	-	-	-	-	-	-	<0.2	<0.2	NC
Cyanide	ug/g	0.04	<0.04	<0.04	NC	-	-	-	-	-	-	-	-	-	<0.04	<0.04	NC
Electrical Conductivity	mS/cm	0.005	0.292	0.258	12%	-	-	-	-	-	-	-	-	-	0.561	0.556	1%
Mercury, total	ug/g	0.1	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC	<0.1	-	-	0.21	0.15	NC
Sodium adsorption ratio	N/A		0.406	0.4	1%	-	-	-	-	-	-	-	-	-	0.052	0.054	4%
pH	pH units		7.72	8.06	4%	-	-	-	-	-	-	-	-	-	7.26	7.57	4%
Petroleum Hydrocarbons																	
Petroleum Hydrocarbons F1 (C6-C10)	ug/g	5, 10	<5	<5	NC	20	15	NC	<10	<10	NC	<10	<10	NC	<5	<5	NC
Petroleum Hydrocarbons F2 (C10-C16)	ug/g	10	10	12	NC	147	147	0%	<10	<10	NC	<10	<10	NC	<10	<10	NC
Petroleum Hydrocarbons F3 (C16-C34)	ug/g	20, 50	140	167	NC	3500	3500	0%	30	<20	NC	<20	<20	NC	697	1090	44%
Petroleum Hydrocarbons F4 (C34-C50)	ug/g	20, 50	<50	<50	NC	544	563	3%	70	<20	NC	<20	<20	NC	209	282	NC
Petroleum Hydrocarbons F4G-SG (GHH-Silica)	ug/g	50			NC			NC	-	-	-	-	-	-			NC
Polychlorinated Biphenyls																	
Polychlorinated biphenyls	ug/g	0.02, 0.1	<0.1	-	-	<0.1	<0.1	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	1.12	1.1	2%
Polycyclic Aromatic Hydrocarbons																	
Acenaphthene	ug/g	0.05	2.18	1.53	35%	9.51	9.97	5%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Acenaphthylene	ug/g	0.05	0.11	0.09	NC	0.48	0.53	10%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Anthracene	ug/g	0.05	7.19	4.29	51%	22.3	21.3	5%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Benzo[a]anthracene	ug/g	0.05	4.32	3.01	36%	36	24	40%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Benzo[a]pyrene	ug/g	0.05	1.9	1.57	19%	27.8	22.8	20%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Benzo[b]fluoranthene	ug/g	0.05	7.59	5.92	25%	54.6	35.9	41%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Benzo[g,h,i]perylene	ug/g	0.05	4.95	3.58	32%	10.4	11.8	13%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Benzo[k]fluoranthene	ug/g	0.05	3.12	2.28	31%	20.2	20.9	3%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Chrysene	ug/g	0.05	4.35	5.18	17%	38	27.9	31%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Dibenzo[a,h]anthracene	ug/g	0.05	0.58	0.48	19%	1.72	2.41	33%	<0.1	<0.1	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Fluoranthene	ug/g	0.05	29.6	22.8	26%	105	90.7	15%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Fluorene	ug/g	0.05	2.42	1.99	20%	13	9.53	31%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Indeno[1,2,3-cd]pyrene	ug/g	0.05	3.58	3.27	9%	10.9	11.8	8%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Methylnaphthalene, 1+2-	ug/g	0.05	0.49	0.34	36%	4.07	3.11	27%	<0.1	<0.1	NC	<0.1	-	-	<0.05	<0.05	NC
Methylnaphthalene, 1-	ug/g	0.05	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-
Methylnaphthalene, 2-	ug/g	0.05	-	-	-	-	-	-	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-
Naphthalene	ug/g	0.05	0.36	0.27	29%	5.23	5.26	1%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Phenanthrene	ug/g	0.05	21.5	18	18%	95.5	66.8	35%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Pyrene	ug/g	0.05	23.4	21.7	8%	94.7	73.3	25%	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC
Trihalomethanes																	
Bromodichloromethane	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	<0.02	-	-	<0.05	<0.05	NC
Bromoform	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Chloroform	ug/g	0.04, 0.05	<0.04	<0.04	NC	<0.04	<0.04	NC	-	-	-	-	-	-	<0.04	<0.04	NC
Dibromochloromethane	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Volatile Organic Compounds																	
Acetone	ug/g	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-	<0.5	<0.5	NC
Bromomethane	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Carbon tetrachloride	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	<0.2	-	-	<0.05	<0.05	NC
Chlorobenzene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Dichlorobenzene, 1,2-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	-	<1	NC	<0.05	<0.05	NC
Dichlorobenzene, 1,3-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	<1	<1	NC	<0.05	<0.05	NC
Dichlorobenzene, 1,4-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	<0.05	<0.05	NC	-	<1	NC	<0.05	<0.05	NC
Dichlorodifluoromethane	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Dichloroethane, 1,1-	ug/g	0.02, 0.05	<0.02	<0.02	NC	<0.02	<0.02	NC	-	-	-	-	-	-	<0.02	<0.02	NC
Dichloroethane, 1,2-	ug/g	0.03, 0.05	<0.03	<0.03	NC	<0.03	<0.03	NC	-	-	-	-	-	-	<0.03	<0.03	NC
Dichloroethene, 1,1-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Dichloroethene, cis-1,2-	ug/g	0.02, 0.05	<0.02	<0.02	NC	<0.02	<0.02	NC	-	-	-	-	-	-	<0.02	<0.02	NC
Dichloroethene, trans-1,2-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	<0.05	-	-	<0.05	<0.05	NC
Dichloropropane, 1,2-	ug/g	0.03, 0.05	<0.03	<0.03	NC	<0.03	<0.03	NC	-	-	-	-	-	-	<0.03	<0.03	NC
Dichloropropene, 1,3-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Dichloropropene, cis-1,3-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	ug/g	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene dibromide	ug/g	0.04, 0.05	<0.04	<0.04	NC	<0.04	<0.04	NC	-	-	-	-	-	-	<0.04	<0.04	NC
Hexane, n-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Methyl Ethyl Ketone (MEK)	ug/g	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-	<0.5	<0.5	NC
Methyl Isobutyl Ketone (MIBK)	ug/g	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-	<0.5	<0.5	NC
Methylene chloride	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Methyl tert-butyl ether (MTBE)	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Styrene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Tetrachloroethane, 1,1,1,2-	ug/g	0.04, 0.05	<0.04	<0.04	NC	<0.04	<0.04	NC	-	-	-	-	-	-	<0.04	<0.04	NC
Tetrachloroethane, 1,1,2,2-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Tetrachloroethene	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	<1	-	-	<0.05	<0.05	NC
Trichloroethane, 1,1,1-	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Trichloroethane, 1,1,2-	ug/g	0.04, 0.05	<0.04	<0.04	NC	<0.04	<0.04	NC	-	-	-	-	-	-	<0.04	<0.04	NC
Trichloroethene	ug/g	0.03, 0.05	<0.03	<0.03	NC	<0.03	<0.03	NC	-	-	-	-	-	-	<0.03	<0.03	NC
Trichlorofluoromethane	ug/g	0.05	<0.05	<0.05	NC	<0.05	<0.05	NC	-	-	-	-	-	-	<0.05	<0.05	NC
Vinyl Chloride	ug/g	0.002, 0.02	<0.02	<0.02	NC	<0.02	<0.02	NC	-	-	-	<1	-	-	<0.02	<0.02	NC

-LEGEND-

Detection Limit	May vary between sample locations and events
RPD	Relative Percent Difference
NC	No Calculation; the concentrations of at least one duplicate sample was non-detect or measured at a concentration less than 5 times the Detection Limit
Orange	RPD exceeds 60% (Soil data quality objective*)

*Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment, Volume 1 Guidance Manual, Canadian Council of Ministers of the Environment, 2016

Osprey Shores QA/QC Results Groundwater		Sample ID	MW151-11	MW151.1-11	RPD	MW151-22	MW151 (DUP1-22	RPD	MW201	GW-Dup1	RPD	MW213	GW-Dup3	RPD
		Sample Date	2011-Aug-18	2011-Aug-18		2022-Jul-13	2022-Jul-13		2023-Jan-19	2023-Jan-19		2023-Jan-23	2023-Jan-23	
Parameter	Units	Sample Depth	1.6 - 4.5	1.6 - 4.5		1.6 - 4.5	1.6 - 4.5		5.4 - 8.4	5.4 - 8.4		0.7 - 3.7	0.7 - 3.7	
Acids, Bases, Neutrals		**Detection Limit**												
Biphenyl, 1,1-	µg/L	0.5	-	-	-	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC
Bis(2-chloro-1-methylethyl)ether	µg/L	0.5	-	-	-	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC
Bis(2-chloroethyl)ether	µg/L	0.5	-	-	-	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC
Bis(2-ethylhexyl)phthalate	µg/L	0.5	-	-	-	<0.5	<0.5	NC	-	-	-	0.86	1.14	NC
Chloroaniline, p-	µg/L	1	-	-	-	<1	<1	NC	-	-	-	<1	<1	NC
Dichlorobenzidine, 3,3-	µg/L	0.5	-	-	-	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC
Diethyl phthalate	µg/L	0.5	-	-	-	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC
Dimethylphenol, 2,4-	µg/L	0.5	-	-	-	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC
Dimethyl phthalate	µg/L	0.5	-	-	-	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC
Dinitrophenol, 2,4-	µg/L	10	-	-	-	<10	<10	NC	-	-	-	<10	<10	NC
Dinitrotoluene, 2,4+2,6-	µg/L	0.5	-	-	-	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC
Phenol	µg/L	1	-	-	-	<1	<1	NC	-	-	-	<1	<1	NC
Trichlorobenzene, 1,2,4-	µg/L	0.5	-	-	-	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC
Benzene, Toluene, Ethylbenzene, & Xylenes														
Benzene	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Ethylbenzene	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Toluene	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	0.29	0.37	NC	<0.2	<0.2	NC
Xylene, m+p-	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	1.01	1.19	16%	<0.2	<0.2	NC
Xylene, o-	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	0.5	0.56	11%	<0.1	<0.1	NC
Xylenes, total	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	1.51	1.75	15%	<0.2	<0.2	NC
Chlorophenols														
Chlorophenol, 2-	µg/L	0.5	-	-	-	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC
Dichlorophenol, 2,4-	µg/L	0.3	-	-	-	<0.3	<0.3	NC	-	-	-	<0.3	<0.3	NC
Pentachlorophenol	µg/L	0.5	-	-	-	<0.5	<0.5	NC	-	-	-	<0.5	<0.5	NC
Trichlorophenol, 2,4,5-	µg/L	0.2	-	-	-	<0.2	<0.2	NC	-	-	-	<0.2	<0.2	NC
Trichlorophenol, 2,4,6-	µg/L	0.2	-	-	-	<0.2	<0.2	NC	-	-	-	<0.2	<0.2	NC
Metals														
Aluminum, dissolved	µg/L	10	<10	<10	NC	-	-	-	-	-	-	-	-	-
Antimony, dissolved	µg/L	1	-	-	-	<1	<1	NC	<1	<1	NC	<1	<1	NC
Arsenic, dissolved	µg/L	1	<1	<1	NC	<1	<1	NC	<1	<1	NC	<1	2.6	NC
Barium, dissolved	µg/L	2	360	550	42%	85.6	85.8	0%	461	476	3%	99	98.1	1%
Beryllium, dissolved	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Boron, dissolved	µg/L	10	70	100	35%	40.8	42	NC	268	250	7%	335	369	10%
Cadmium, dissolved	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Calcium, dissolved	µg/L		136000	137000	1%	-	-	-	-	-	-	-	-	-
Chromium, dissolved	µg/L	2	4	4	NC	2	4.1	NC	<2	<2	NC	<2	<2	NC
Cobalt, dissolved	µg/L	0.5	<0.2	0.2	NC	<0.5	<0.5	NC	0.69	1.11	NC	<0.5	<0.5	NC
Copper, dissolved	µg/L	1	<1	<1	NC	1	1.9	NC	<1	<1	NC	<1	<1	NC
Iron, dissolved	µg/L	30	150	130	NC	-	-	-	-	-	-	-	-	-
Lead, dissolved	µg/L	0.5	<1	<1	NC	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Magnesium, dissolved	µg/L		29000	29000	0%	-	-	-	-	-	-	-	-	-
Manganese, dissolved	µg/L	10	30	30	NC	-	-	-	-	-	-	-	-	-
Molybdenum, dissolved	µg/L	0.5	<5	<5	NC	1.13	1.19	NC	5.48	5.83	6%	9.39	10.1	7%
Nickel, dissolved	µg/L	1	<5	<5	NC	2.5	3.1	NC	5.4	4.3	NC	2	1.3	NC
Potassium, dissolved	µg/L		4000	4000	0%	-	-	-	-	-	-	-	-	-
Selenium, dissolved	µg/L	1	-	<1	NC	<1	<1	NC	<1	<1	NC	<1	1.6	NC
Silver, dissolved	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Sodium, dissolved	µg/L	50, 500	92000	92000	0%	25900	25400	2%	192000	198000	3%	31300	28400	10%
Strontium, dissolved	µg/L	1	1310	1360	4%	-	-	-	-	-	-	-	-	-
Thallium, dissolved	µg/L	0.3	<0.1	<0.1	NC	<0.3	<0.3	NC	<0.3	<0.3	NC	<0.3	<0.3	NC
Titanium, dissolved	µg/L	1	<10	<10	NC	-	-	-	-	-	-	-	-	-
Uranium, dissolved	µg/L	0.5	<1	<1	NC	6.24	6.26	0%	2.01	2	NC	0.92	0.89	NC
Vanadium, dissolved	µg/L	0.4	3	5	50%	<0.4	<0.4	NC	<0.4	<0.4	NC	<0.4	<0.4	NC
Zinc, dissolved	µg/L	5	<10	<10	NC	<5	<5	NC	<5	<5	NC	<5	<5	NC
Other Regulated Parameters														
Chloride	µg/L	100	119000	117000	2%	100000	102000	2%	533000	540000	1%	10800	11300	5%
Chromium (hexavalent)	µg/L	2	-	-	-	<2	<2	NC	<2	<2	NC	<2	<2	NC
Cyanide	µg/L	2	-	-	-	<2	<2	NC	<2	<2	NC	<2	<2	NC
Electrical Conductivity	µS/cm	2	1340	1340	0%	1360	1360	0%	2520	2530	0%	900	904	0%
Mercury, total	µg/L	0.02	<0.1	<0.1	NC	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.02	<0.02	NC
pH	pH units		8	8.02	0%	7.38	7.56	2%	7.42	7.47	1%	7.43	7.55	2%
Petroleum Hydrocarbons														
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	25	<100	<100	NC	<25	<25	NC	<25	<25	NC	<25	<25	NC
Petroleum Hydrocarbons F2 (C10-C16	µg/L	100	<100	<100	NC	<100	<100	NC	<100	<100	NC	<100	<100	NC
Petroleum Hydrocarbons F3 (C16-C34	µg/L	100	900	<200	NC	<100	<100	NC	<100	<100	NC	<100	<100	NC
Petroleum Hydrocarbons F4 (C34-C50	µg/L	100	200	<200	NC	<100	<100	NC	<100	<100	NC	<100	<100	NC
Polychlorinated Biphenyls														
Polychlorinated biphenyls	µg/L	0.1	<0.05	<0.05	NC	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC
Polycyclic Aromatic Hydrocarbons														
Acenaphthene	µg/L	0.2	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Acenaphthylene	µg/L	0.2	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Anthracene	µg/L	0.1	-	-	-	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Benzo[a]anthracene	µg/L	0.2	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Benzo[a]pyrene	µg/L	0.01	-	-	-	<0.01	<0.01	NC	<0.01	<0.01	NC	<0.01	<0.01	NC
Benzo[b]fluoranthene	µg/L	0.1	-	-	-	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Benzo[g,h,i]perylene	µg/L	0.2	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Benzo[k]fluoranthene	µg/L	0.1	-	-	-	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Chrysene	µg/L	0.1	-	-	-	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Dibenzo[a,h]anthracene	µg/L	0.2	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Fluoranthene	µg/L	0.2	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Fluorene	µg/L	0.2	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Indeno[1,2,3-cd]pyrene	µg/L	0.2	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Methylnaphthalene, 1+2-	µg/L	0.02, 0.2	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Methylnaphthalene, 1-	µg/L	0.02	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	0.02	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	0.2	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Phenanthrene	µg/L	0.1	-	-	-	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Pyrene	µg/L	0.2	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Trihalomethanes														
Bromodichloromethane	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Bromoform	µg/L	0.1	<0.2	<0.2	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Chloroform	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Dibromochloromethane	µg/L	0.1	<0.2	<0.2	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Volatile Organic Compounds														
Acetone	µg/L	1	<10	<10	NC	<1	<1	NC	<1	<1	NC	<1	<1	NC
Bromomethane	µg/L	0.2	<0.5	<0.5	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Carbon tetrachloride	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Chlorobenzene	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Dichlorobenzene, 1,2-	µg/L	0.1	<0.2	<0.2	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Dichlorobenzene, 1,3-	µg/L	0.1	<0.2	<0.2	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Dichlorobenzene, 1,4-	µg/L	0.1	<0.2	<0.2	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Dichlorodifluoromethane	µg/L	0.4	<0.5	<0.5	NC	<0.4	<0.4	NC	<0.4	<0.4	NC	<0.4	<0.4	NC
Dichloroethane, 1,1-	µg/L	0.3	<0.1	<0.1	NC	<0.3	<0.3	NC	<0.3	<0.3	NC	<0.3	<0.3	NC
Dichloroethane, 1,2-	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Dichloroethene, 1,1-	µg/L	0.3	<0.1	<0.1	NC	<0.3	<0.3	NC	<0.3	<0.3	NC	<0.3	<0.3	NC
Dichloroethene, cis-1,2-	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Dichloroethene, trans-1,2-	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Dichloropropane, 1,2-	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Dichloropropene, 1,3-	µg/L	0.2, 0.3	<0.4	<0.4	NC	<0.3	<0.3	NC	<0.3	<0.3	NC	<0.3	<0.3	NC
Dichloropropene, cis-1,3-	µg/L	0.2	<0.2	<0.2	NC	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	0.2	<0.2	<0.2	NC	-	-	-	-	-	-	-	-	-
Ethylene dibromide	µg/L	0.1, 0.2	<0.2	<0.2	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Hexane, n-	µg/L	0.2	<0.5	<0.5	NC	<0.2	<0.2	NC	<0.2	3.07	NC	<0.2	<0.2	NC
Methyl Ethyl Ketone (MEK)	µg/L	1	<5	<5	NC	<1	<1	NC	<1	<1	NC	<1	<1	NC
Methyl Isobutyl Ketone (MIBK)	µg/L	1	<5	<5	NC	<1	<1	NC	<1	<1	NC	<1	<1	NC
Methylene chloride	µg/L	0.3	-	-	-	<0.3	<0.3	NC	<0.3	<0.3	NC	<0.3	<0.3	NC
Methyl tert-butyl ether (MTBE)	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Styrene	µg/L	0.1	<0.2	<0.2	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Tetrachloroethane, 1,1,1,2-	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Tetrachloroethane, 1,1,2,2-	µg/L	0.1	<0.2	<0.2	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Tetrachloroethene	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Trichloroethane, 1,1,1-	µg/L	0.1, 0.3	<0.1	<0.1	NC	<0.3	<0.3	NC	<0.3	<0.3	NC	<0.3	<0.3	NC
Trichloroethane, 1,1,2-	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Trichloroethene	µg/L	0.2	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Trichlorofluoromethane	µg/L	0.4	<0.2	<0.2	NC	<0.4	<0.4	NC	<0.4	<0.4	NC	<0.4	<0.4	NC
Vinyl Chloride	µg/L	0.17, 0.2	<0.2	<0.2	NC	<0.17	<0.17	NC	<0.17	<0.17	NC	<0.17	<0.17	NC

-LEGEND-

Detection Limit	May vary between sample locations and events
RPD	Relative Percent Difference
NC	No Calculation; the concentrations of at least one duplicate sample was non-detect or measured at a concentration less than 5 times the Detection Limit
Orange	RPD exceeds 40% (Groundwater data quality objective*)

*Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment, Volume 1 Guidance Manual, Canadian Council of Ministers of the Environment, 2016

Osprey Shores QA/QC Results Groundwater		Sample ID	MW215	GW-Dup2	RPD	MW23-22	MW23 (DUP2-22	RPD	MW24-12	MW24.1-12	RPD	MW26-11	MW26.1-11	RPD
		Sample Date	2023-Jan-23	2023-Jan-23		2022-Jul-14	2022-Jul-14		2012-May-01	2012-May-01		2011-Aug-17	2011-Aug-17	
Parameter	Units	Sample Depth	1.6 - 4.5	1.6 - 4.5		1.2 - 3.4	1.2 - 3.4		1.5 - 4.5	1.5 - 4.5		1.5 - 4.5	1.5 - 4.5	
Acids, Bases, Neutrals		**Detection Limit**												
Biphenyl, 1,1-	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-
Bis(2-chloro-1-methylethyl)ether	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-
Bis(2-chloroethyl)ether	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-
Chloroaniline, p-	µg/L	1	<1	<1	NC	<1	<1	NC	-	-	-	-	-	-
Dichlorobenzidine, 3,3-	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-
Diethyl phthalate	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-
Dimethylphenol, 2,4-	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-
Dimethyl phthalate	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-
Dinitrophenol, 2,4-	µg/L	10	<10	<10	NC	<10	<10	NC	-	-	-	-	-	-
Dinitrotoluene, 2,4+2,6-	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-
Phenol	µg/L	1	<1	<1	NC	<1	<1	NC	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-
Benzene, Toluene, Ethylbenzene, & Xylenes														
Benzene	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.5	<0.5	NC	<0.1	<0.1	NC
Ethylbenzene	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.5	<0.5	NC	<0.1	<0.1	NC
Toluene	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.5	<0.5	NC	<0.2	<0.2	NC
Xylene, m+p-	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.5	<0.5	NC	<0.1	<0.1	NC
Xylene, o-	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.5	<0.5	NC	<0.1	<0.1	NC
Xylenes, total	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<1	<1	NC	<0.1	<0.1	NC
Chlorophenols														
Chlorophenol, 2-	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-
Dichlorophenol, 2,4-	µg/L	0.3	<0.3	<0.3	NC	<0.3	<0.3	NC	-	-	-	-	-	-
Pentachlorophenol	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	-	-	-	-	-	-
Trichlorophenol, 2,4,5-	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	-	-	-	-	-	-
Trichlorophenol, 2,4,6-	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	-	-	-	-	-	-
Metals														
Aluminum, dissolved	µg/L	10	-	-	-	-	-	-	<10	10	NC	<10	<10	NC
Antimony, dissolved	µg/L	1	<1	<1	NC	<1	<1	NC	-	-	-	-	-	-
Arsenic, dissolved	µg/L	1	<1	1.2	NC	<1	<1	NC	<10	<10	NC	<1	<1	NC
Barium, dissolved	µg/L	2	78.1	78.9	1%	70.3	65.1	8%	90	90	0%	200	200	0%
Beryllium, dissolved	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Boron, dissolved	µg/L	10	826	834	1%	177	166	6%	150	150	0%	60	70	15%
Cadmium, dissolved	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Calcium, dissolved	µg/L		-	-	-	-	-	-	8000	174000	182%	163000	169000	4%
Chromium, dissolved	µg/L	2	<2	<2	NC	2.8	<2	NC	<1	<1	NC	5	5	NC
Cobalt, dissolved	µg/L	0.5	<0.5	<0.5	NC	1.24	<0.5	NC	0.4	0.4	NC	<0.2	<0.2	NC
Copper, dissolved	µg/L	1	<1	<1	NC	1.1	3.6	NC	<1	<1	NC	<1	<1	NC
Iron, dissolved	µg/L	30	-	-	-	-	-	-	3250	3210	1%	720	740	3%
Lead, dissolved	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	<1	<1	NC	<1	<1	NC
Magnesium, dissolved	µg/L		-	-	-	-	-	-	34000	19000	57%	31000	32000	3%
Manganese, dissolved	µg/L	10	-	-	-	-	-	-	440	430	2%	80	90	12%
Molybdenum, dissolved	µg/L	0.5	12.8	12.4	3%	2.76	2.65	4%	14	13	7%	<5	<5	NC
Nickel, dissolved	µg/L	1	1.6	1.3	NC	1	<1	NC	<5	<5	NC	<5	<5	NC
Potassium, dissolved	µg/L		-	-	-	-	-	-	87000	6000	174%	3000	3000	0%
Selenium, dissolved	µg/L	1	1.2	<1	NC	<1	<1	NC	-	-	-	<1	<1	NC
Silver, dissolved	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Sodium, dissolved	µg/L	50, 500	21700	21200	2%	41100	38800	6%	202000	56000	113%	107000	110000	3%
Strontium, dissolved	µg/L	1	-	-	-	-	-	-	797	796	0%	797	799	0%
Thallium, dissolved	µg/L	0.3	<0.3	<0.3	NC	<0.3	<0.3	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
Titanium, dissolved	µg/L	1	-	-	-	-	-	-	<10	<10	NC	<10	<10	NC
Uranium, dissolved	µg/L	0.5	<0.5	<0.5	NC	<0.5	<0.5	NC	<1	<1	NC	<1	<1	NC
Vanadium, dissolved	µg/L	0.4	<0.4	<0.4	NC	<0.4	<0.4	NC	<5	<5	NC	6	5	18%
Zinc, dissolved	µg/L	5	<5	<5	NC	<5	<5	NC	<10	<10	NC	<10	<10	NC
Other Regulated Parameters														
Chloride	µg/L	100	12600	12800	2%	34700	35200	1%	50000	56000	11%	217000	215000	1%
Chromium (hexavalent)	µg/L	2	<2	<2	NC	<2	<2	NC	-	-	-	-	-	-
Cyanide	µg/L	2	<2	<2	NC	<2	<2	NC	-	-	-	-	-	-
Electrical Conductivity	µS/cm	2	873	876	0%	961	962	0%	1180	1210	3%	1590	1610	1%
Mercury, total	µg/L	0.02	<0.02	<0.02	NC	<0.02	<0.02	NC	<0.1	<0.1	NC	<0.1	<0.1	NC
pH	pH units		7.34	7.24	1%	7.78	7.75	0%	7.92	7.94	0%	7.55	7.69	2%
Petroleum Hydrocarbons														
Petroleum Hydrocarbons F1 (C6-C10)	µg/L	25	<25	<25	NC	<25	<25	NC	<100	<100	NC	<100	<100	NC
Petroleum Hydrocarbons F2 (C10-C16	µg/L	100	<100	<100	NC	<100	<100	NC	<100	<100	NC	<100	<100	NC
Petroleum Hydrocarbons F3 (C16-C34	µg/L	100	<100	<100	NC	<100	<100	NC	<200	<200	NC	<200	<200	NC
Petroleum Hydrocarbons F4 (C34-C50	µg/L	100	<100	<100	NC	<100	<100	NC	<200	<200	NC	<200	<200	NC
Polychlorinated Biphenyls														
Polychlorinated biphenyls	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.05	<0.05	NC
Polycyclic Aromatic Hydrocarbons														
Acenaphthene	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	0.47	0.38	NC	-	-	-
Acenaphthylene	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.02	<0.02	NC	-	-	-
Anthracene	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	0.07	0.06	NC	-	-	-
Benzo[a]anthracene	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	0.04	0.04	NC	-	-	-
Benzo[a]pyrene	µg/L	0.01	<0.01	<0.01	NC	<0.01	<0.01	NC	0.03	0.03	NC	-	-	-
Benzo[b]fluoranthene	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	0.03	0.02	NC	-	-	-
Benzo[g,h,i]perylene	µg/L	0.2	0.63	<0.2	NC	<0.2	<0.2	NC	<0.02	<0.02	NC	-	-	-
Benzo[k]fluoranthene	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	0.02	<0.02	NC	-	-	-
Chrysene	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	0.05	0.05	NC	-	-	-
Dibenzo[a,h]anthracene	µg/L	0.2	0.57	<0.2	NC	<0.2	<0.2	NC	<0.02	<0.02	NC	-	-	-
Fluoranthene	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	0.05	0.05	NC	-	-	-
Fluorene	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	0.05	0.04	NC	-	-	-
Indeno[1,2,3-cd]pyrene	µg/L	0.2	0.5	<0.2	NC	<0.2	<0.2	NC	<0.02	<0.02	NC	-	-	-
Methylnaphthalene, 1+2-	µg/L	0.02, 0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	0.44	0.34	26%	-	-	-
Methylnaphthalene, 1-	µg/L	0.02	-	-	-	-	-	-	0.21	0.17	21%	-	-	-
Methylnaphthalene, 2-	µg/L	0.02	-	-	-	-	-	-	0.23	0.17	30%	-	-	-
Naphthalene	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	0.16	0.13	NC	-	-	-
Phenanthrene	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	0.14	0.11	NC	-	-	-
Pyrene	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	0.06	0.06	NC	-	-	-
Trihalomethanes														
Bromodichloromethane	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.3	<0.3	NC	<0.1	<0.1	NC
Bromoform	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.4	<0.4	NC	<0.2	<0.2	NC
Chloroform	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.5	<0.5	NC	<0.1	<0.1	NC
Dibromochloromethane	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.3	<0.3	NC	<0.2	<0.2	NC
Volatile Organic Compounds														
Acetone	µg/L	1	<1	<1	NC	<1	<1	NC	-	-	-	<10	<10	NC
Bromomethane	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Carbon tetrachloride	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.1	<0.1	NC
Chlorobenzene	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	-	-	-	<0.1	<0.1	NC
Dichlorobenzene, 1,2-	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.4	<0.4	NC	<0.2	<0.2	NC
Dichlorobenzene, 1,3-	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.4	<0.4	NC	<0.2	<0.2	NC
Dichlorobenzene, 1,4-	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.4	<0.4	NC	<0.2	<0.2	NC
Dichlorodifluoromethane	µg/L	0.4	<0.4	<0.4	NC	<0.4	<0.4	NC	<0.5	<0.5	NC	<0.5	<0.5	NC
Dichloroethane, 1,1-	µg/L	0.3	<0.3	<0.3	NC	<0.3	<0.3	NC	0.4	0.5	NC	<0.1	<0.1	NC
Dichloroethane, 1,2-	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Dichloroethene, 1,1-	µg/L	0.3	<0.3	<0.3	NC	<0.3	<0.3	NC	<0.5	<0.5	NC	<0.1	<0.1	NC
Dichloroethene, cis-1,2-	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.4	<0.4	NC	<0.1	<0.1	NC
Dichloroethene, trans-1,2-	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.4	<0.4	NC	<0.1	<0.1	NC
Dichloropropane, 1,2-	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.5	<0.5	NC	<0.1	<0.1	NC
Dichloropropene, 1,3-	µg/L	0.2, 0.3	<0.3	<0.3	NC	<0.3	<0.3	NC	<0.4	<0.4	NC	<0.4	<0.4	NC
Dichloropropene, cis-1,3-	µg/L	0.2	-	-	-	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC
Dichloropropene, trans-1,3-	µg/L	0.2	-	-	-	-	-	-	<0.2	<0.2	NC	<0.2	<0.2	NC
Ethylene dibromide	µg/L	0.1, 0.2	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.2	<0.2	NC	<0.2	<0.2	NC
Hexane, n-	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	-	-	-	<0.5	<0.5	NC
Methyl Ethyl Ketone (MEK)	µg/L	1	<1	<1	NC	<1	<1	NC	-	-	-	<5	<5	NC
Methyl Isobutyl Ketone (MIBK)	µg/L	1	<1	<1	NC	<1	<1	NC	-	-	-	<5	<5	NC
Methylene chloride	µg/L	0.3	<0.3	<0.3	NC	<0.3	<0.3	NC	<4	<4	NC	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	-	-	-	<0.2	<0.2	NC
Styrene	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.5	<0.5	NC	<0.2	<0.2	NC
Tetrachloroethane, 1,1,1,2-	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.5	<0.5	NC	<0.1	<0.1	NC
Tetrachloroethane, 1,1,2,2-	µg/L	0.1	<0.1	<0.1	NC	<0.1	<0.1	NC	<0.5	<0.5	NC	<0.2	<0.2	NC
Tetrachloroethene	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.3	<0.3	NC	<0.1	<0.1	NC
Trichloroethane, 1,1,1-	µg/L	0.1, 0.3	<0.3	<0.3	NC	<0.3	<0.3	NC	<0.4	<0.4	NC	<0.1	<0.1	NC
Trichloroethane, 1,1,2-	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.4	<0.4	NC	<0.2	<0.2	NC
Trichloroethene	µg/L	0.2	<0.2	<0.2	NC	<0.2	<0.2	NC	<0.3	<0.3	NC	<0.1	<0.1	NC
Trichlorofluoromethane	µg/L	0.4	<0.4	<0.4	NC	<0.4	<0.4	NC	<0.5	<0.5	NC	<0.2	<0.2	NC
Vinyl Chloride	µg/L	0.17, 0.2	<0.17	<0.17	NC	<0.17	<0.17	NC	<0.2	<0.2	NC	<0.2	<0.2	NC

-LEGEND-

Detection Limit	May vary between sample locations and events
RPD	Relative Percent Difference
NC	No Calculation; the concentrations of at least one duplicate sample was non-detect or measured at a concentration less than 5 times the Detection Limit
Orange	RPD exceeds 40% (Groundwater data quality objective*)

*Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment, Volume 1 Guidance Manual, Canadian Council of Ministers of the Environment, 2016

BluMetric Environmental Inc.

1682 Woodward Drive
Ottawa, Ontario
Canada K2C 3R8
Tel: 877.487.8436
ottawa@blumetric.ca

4 Cataraqui Street
The Tower, The Woolen Mill
Kingston, Ontario
Canada K7K 1Z7
Tel: 877.487.8436
kingston@blumetric.ca

209 Frederick Street
Unit 3B
Kitchener, Ontario
Canada N2H 2M7
Tel: 877.487.8436
kitchener@blumetric.ca

825 Milner Avenue
Toronto, Ontario
Canada M1B 3C3
Tel: 877.487.8436
toronto@blumetric.ca

410 Falconbridge Road
Unit 6
Sudbury, Ontario
Canada P3A 4S4
Tel: 877.487.8436
sudbury@blumetric.ca

1046 Gorham Street
Thunder Bay, Ontario
Canada P7B 5X5
Tel: 807.707.4736
thunderbay@blumetric.ca

260-15 Taschereau Street
Gatineau, Quebec
Canada J8Y 2V6
Tel: 877.487.8436
gatineau@blumetric.ca

200-1500 Du College Street
Saint-Laurent, Quebec
Canada H4L 5G6
Tel: 877.487.8436
montreal@blumetric.ca

4916 – 49th Street
Yellowknife, NT
Canada X1A 1P3
Tel: 867.873.3500
Fax: 867.873.3499
yellowknife@blumetric.ca

202b Strickland Street
Whitehorse, Yukon
Canada Y1A 2J8
Tel: 867.689.8465
whitehorse@blumetric.ca

www.blumetric.ca